

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091424\  
 Data File : BF139371.D  
 Acq On : 14 Sep 2024 16:39  
 Operator : RC/JU  
 Sample : P3932-03MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FM1MSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
 Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 16 01:57:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 54473    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 199865   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 86333    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 189813   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 76066    | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 2234     | 20.000  | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 369874   | 110.769 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.510  | 99   | 400219   | 91.315  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.440  | 82   | 363543   | 85.511  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 152073   | 165.455 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 665792   | 108.161 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 604069   | 130.349 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.857  | 88   | 47578    | 35.515  | ng    | # 75     |
| 3) Pyridine                   | 3.581  | 79   | 18563m   | 6.285   | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.493  | 42   | 96882    | 37.843  | ng    | 96       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 141716   | 41.230  | ng    | 99       |
| 9) Benzaldehyde               | 6.428  | 77   | 29277    | 11.562  | ng    | 98       |
| 10) Phenol                    | 6.522  | 94   | 147864   | 33.125  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 140208   | 41.325  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.822  | 146  | 149605   | 38.271  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.898  | 146  | 151541   | 38.362  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 145217   | 38.904  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 18012    | 5.151   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 238462   | 45.606  | ng    | 99       |
| 17) 2-Methylphenol            | 7.128  | 107  | 102733   | 37.619  | ng    | 99       |
| 18) Hexachloroethane          | 7.393  | 117  | 57447    | 38.181  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 112652   | 43.374  | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 136754   | 36.704  | ng    | # 86     |
| 22) Acetophenone              | 7.287  | 105  | 222723   | 42.626  | ng    | 97       |
| 24) Nitrobenzene              | 7.463  | 77   | 181864   | 41.563  | ng    | 99       |
| 25) Isophorone                | 7.698  | 82   | 303252   | 45.102  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 74487    | 43.695  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 113008   | 50.256  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 50176    | 13.094  | ng    | # 96     |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 127228   | 44.537  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 130143   | 39.100  | ng    | 99       |
| 31) Naphthalene               | 8.181  | 128  | 435468   | 41.735  | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 85061    | 40.421  | ng    | # 81     |
| 34) Hexachlorobutadiene       | 8.298  | 225  | 89867    | 39.740  | ng    | 99       |
| 35) Caprolactam               | 8.634  | 113  | 18449    | 20.995  | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 137869   | 42.229  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 290744   | 43.900  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 275118   | 42.312  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.034  | 216  | 141438   | 55.279  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 178760   | 200.096 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 100565   | 60.412  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 9.187  | 196  | 98140    | 55.891  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.334  | 154  | 371317   | 55.906  | ng    | 99       |

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Instrument :  
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 FM1MSD

Manual Integrations  
 APPROVED

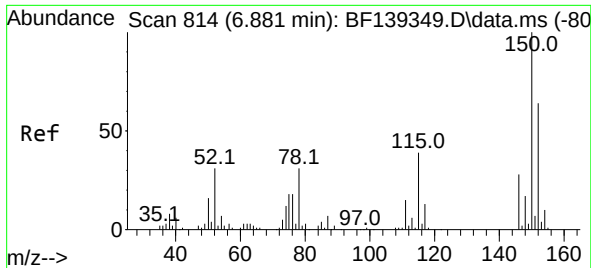
Reviewed By :Jagrut Upadhyay 09/16/2024  
 Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 16 01:57:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 274816   | 55.339   | ng    | 99       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 41491    | 22.463   | ng    | 94       |
| 49) Acenaphthylene            | 9.775  | 152  | 220882   | 29.548   | ng    | 100      |
| 50) Dimethylphthalate         | 9.634  | 163  | 341106   | 60.198   | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 72940    | 58.106   | ng    | 99       |
| 52) Acenaphthene              | 9.945  | 154  | 306271   | 58.703   | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 4472     | 3.565    | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 95652    | 136.749  | ng    | 94       |
| 55) Dibenzofuran              | 10.122 | 168  | 418967   | 57.614   | ng    | 98       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 97753    | 94.170   | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 101502   | 59.893   | ng    | 98       |
| 58) Fluorene                  | 10.463 | 166  | 334676   | 56.407   | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232  | 88631    | 61.018   | ng    | 100      |
| 60) Diethylphthalate          | 10.333 | 149  | 339066   | 57.985   | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 163452   | 56.685   | ng    | 100      |
| 62) 4-Nitroaniline            | 10.469 | 138  | 16452    | 12.016   | ng    | # 83     |
| 63) Azobenzene                | 10.610 | 77   | 147501   | 25.646   | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 55869    | 55.768   | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 14142    | 2.548    | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 92628    | 49.244   | ng    | 98       |
| 68) Hexachlorobenzene         | 11.004 | 284  | 109241   | 49.484   | ng    | 99       |
| 70) Pentachlorophenol         | 11.198 | 266  | 136601   | 103.123  | ng    | 99       |
| 71) Phenanthrene              | 11.422 | 178  | 445668   | 48.666   | ng    | 99       |
| 72) Anthracene                | 11.475 | 178  | 419595   | 46.863   | ng    | 99       |
| 73) Carbazole                 | 11.622 | 167  | 19246    | 2.246    | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 475593   | 49.820   | ng    | 100      |
| 75) Fluoranthene              | 12.610 | 202  | 396092   | 40.502   | ng    | 99       |
| 78) Pyrene                    | 12.833 | 202  | 210664   | 32.255   | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 64755    | 29.128   | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 248981   | 49.415   | ng    | 100      |
| 83) Chrysene                  | 14.057 | 228  | 242095   | 52.226   | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 178490   | 63.113   | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 283506   | 68.069   | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.962 | 276  | 94860    | 714.092  | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 15.068 | 252  | 251143   | 1822.799 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 127813   | 1006.119 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.433 | 252  | 70840    | 619.954  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 156337   | 1424.235 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.404 | 276  | 56850    | 523.068  | ng    | 98       |

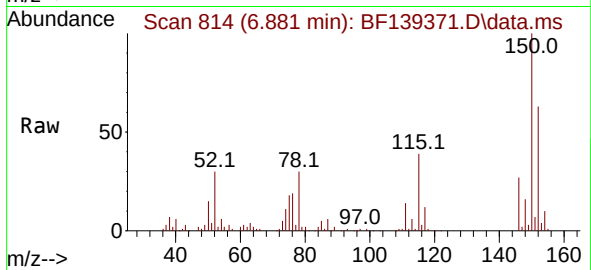
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

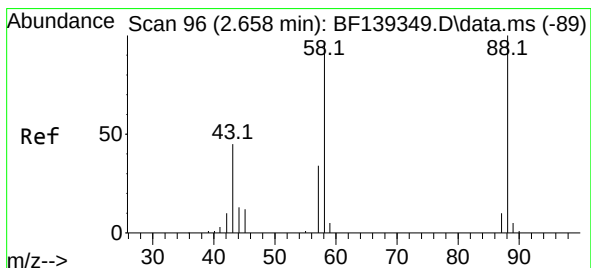
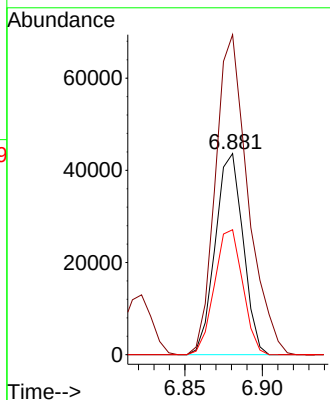
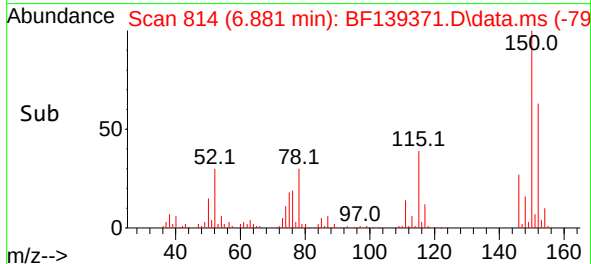
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion: 152 Resp: 5447  
Ion Ratio Lower Upper  
152 100  
150 159.1 124.1 186.1  
115 62.1 48.1 72.1

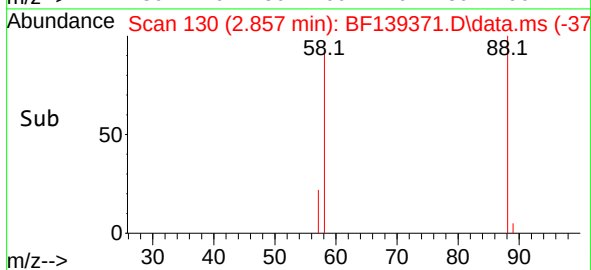
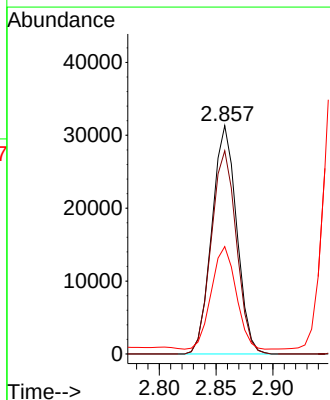
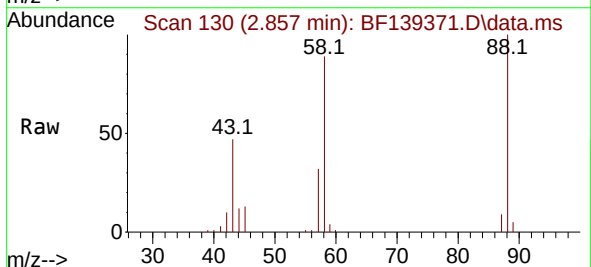
Manual Integrations  
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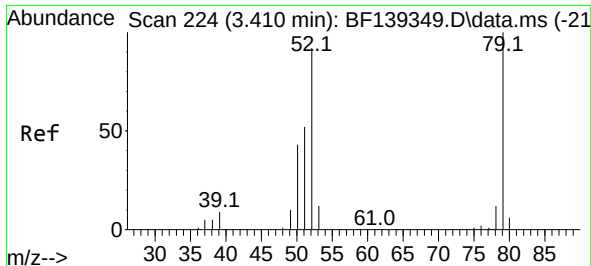
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#2  
1,4-Dioxane  
Concen: 35.515 ng  
RT: 2.857 min Scan# 130  
Delta R.T. 0.200 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Tgt Ion: 88 Resp: 47578  
Ion Ratio Lower Upper  
88 100  
58 90.4 74.8 112.2  
43 0.0 36.4 54.6





#3

Pyridine

Concen: 6.285 ng m

RT: 3.581 min Scan# 21

Delta R.T. 0.171 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

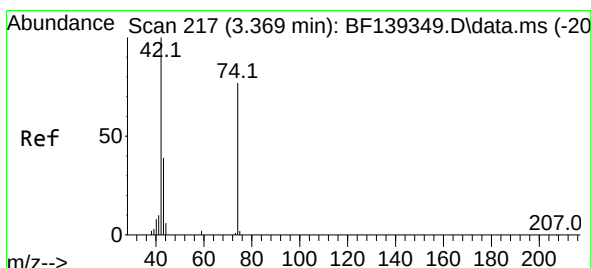
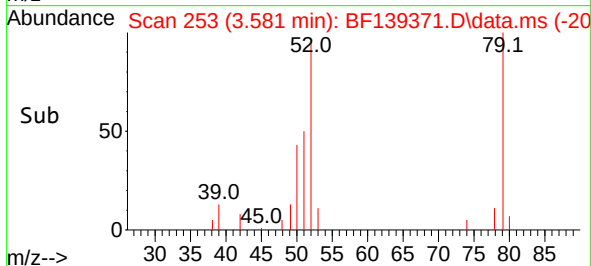
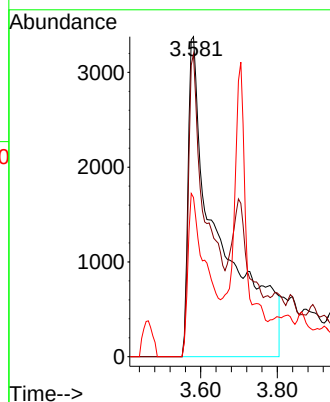
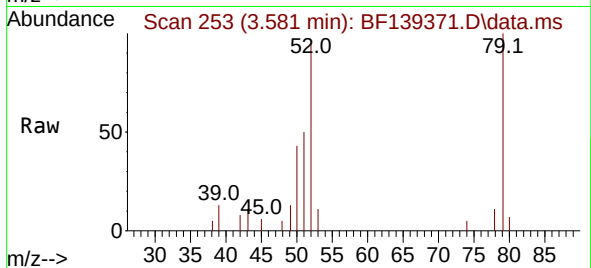
FM1MSD

|             |             |
|-------------|-------------|
| Tgt Ion: 79 | Resp: 1856  |
| Ion Ratio   | Lower Upper |
| 79 100      |             |
| 52 94.6     | 73.8 110.8  |
| 51 49.7     | 41.8 62.6   |

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 09/17/2024



#4

n-Nitrosodimethylamine

Concen: 37.843 ng

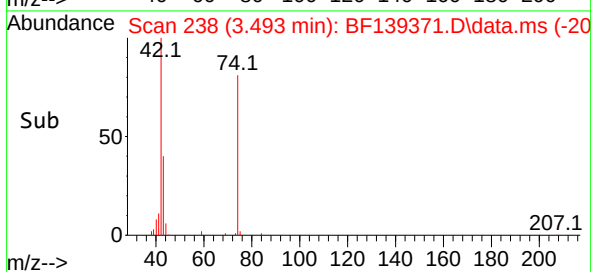
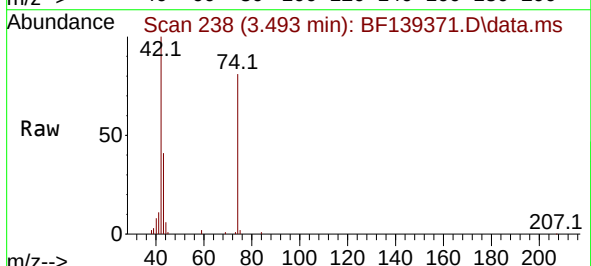
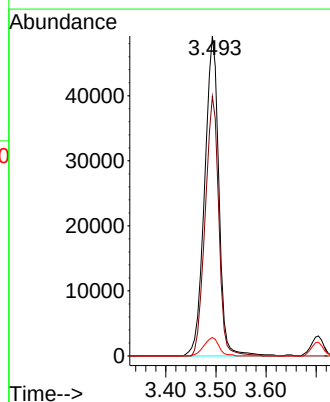
RT: 3.493 min Scan# 238

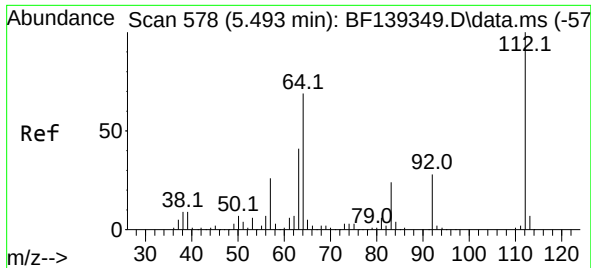
Delta R.T. 0.123 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

|             |             |
|-------------|-------------|
| Tgt Ion: 42 | Resp: 96882 |
| Ion Ratio   | Lower Upper |
| 42 100      |             |
| 74 81.1     | 61.8 92.8   |
| 44 5.7      | 4.8 7.2     |





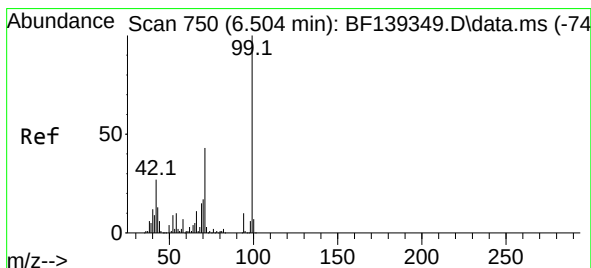
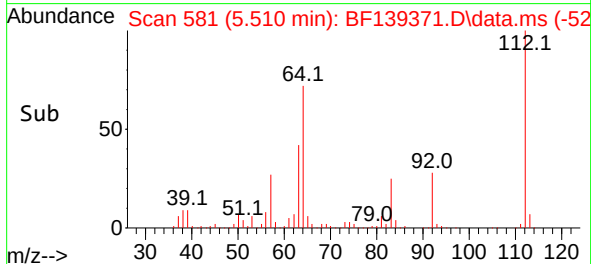
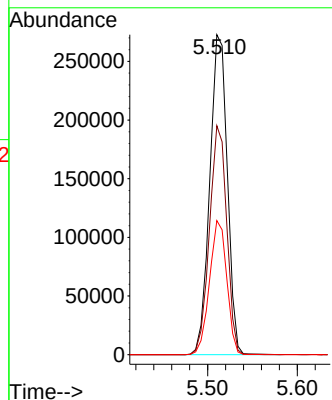
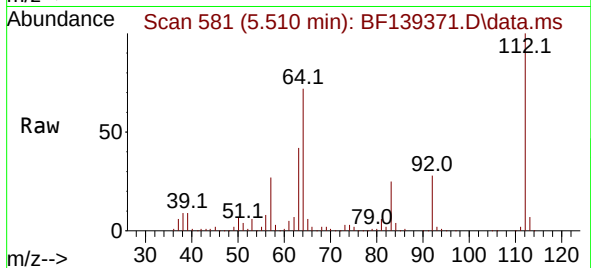
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2-Fluorophenol  
Concen: 110.769 ng  
RT: 5.510 min Scan# 51  
Delta R.T. 0.017 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD

Tgt Ion:112 Resp: 369874  
Ion Ratio Lower Upper  
112 100  
64 71.6 54.8 82.2  
63 41.9 33.0 49.4

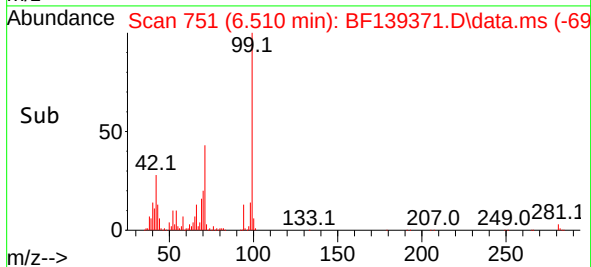
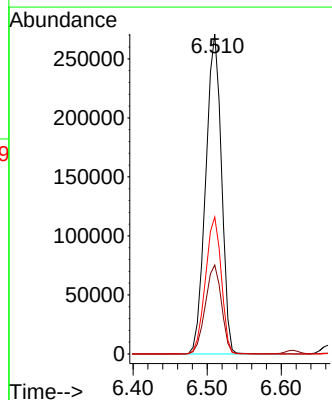
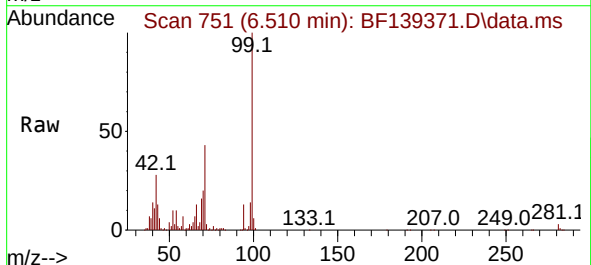
Manual Integrations  
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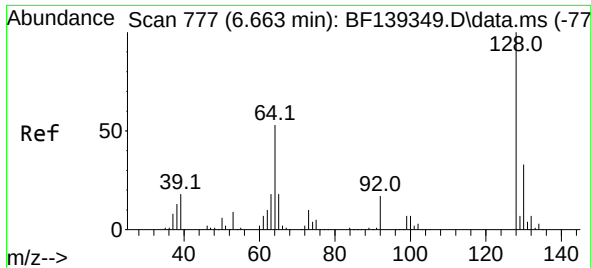
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#7  
Phenol-d6  
Concen: 91.315 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

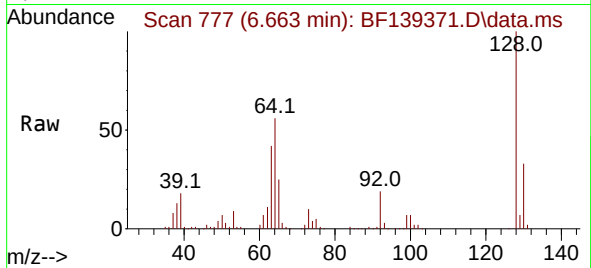
Tgt Ion: 99 Resp: 400219  
Ion Ratio Lower Upper  
99 100  
42 27.8 21.9 32.9  
71 42.8 34.6 52.0





#8  
2-Chlorophenol  
Concen: 41.230 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

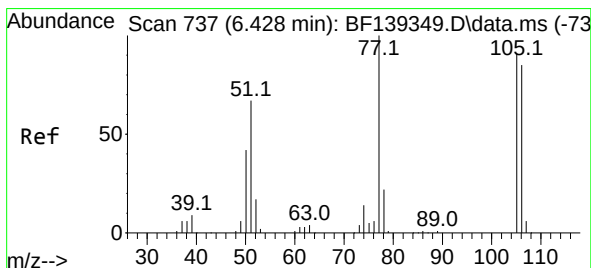
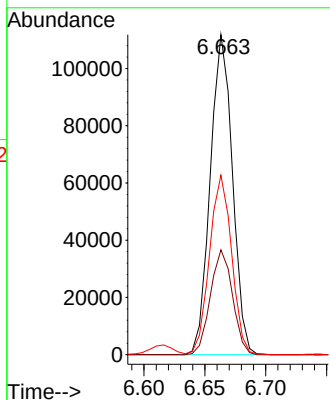
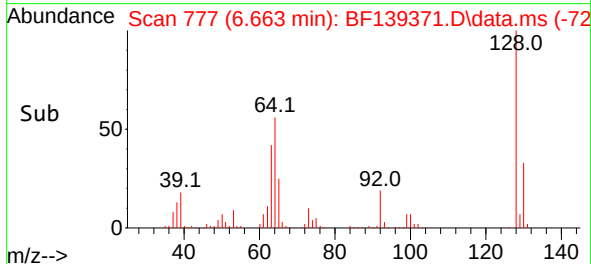
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



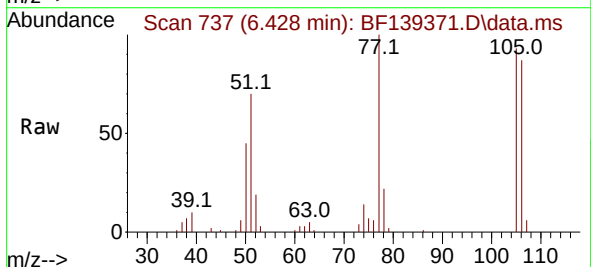
Tgt Ion:128 Resp: 141710  
Ion Ratio Lower Upper  
128 100  
130 32.8 12.8 52.8  
64 56.1 35.1 75.1

Manual Integrations  
APPROVED

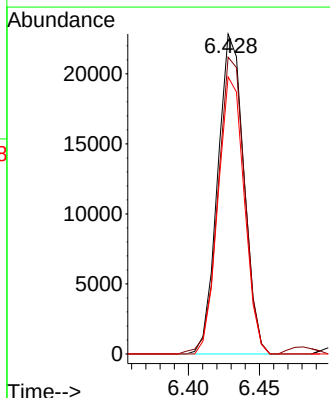
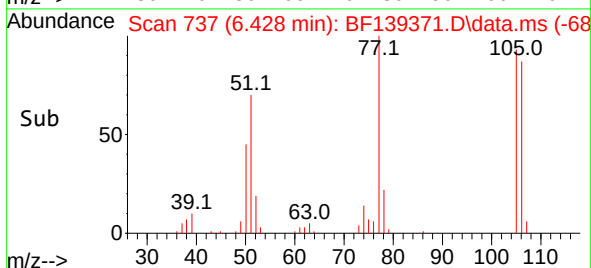
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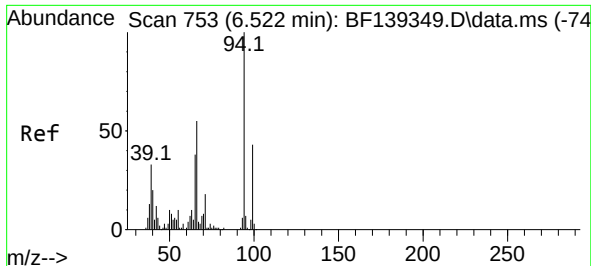


#9  
Benzaldehyde  
Concen: 11.562 ng  
RT: 6.428 min Scan# 737  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



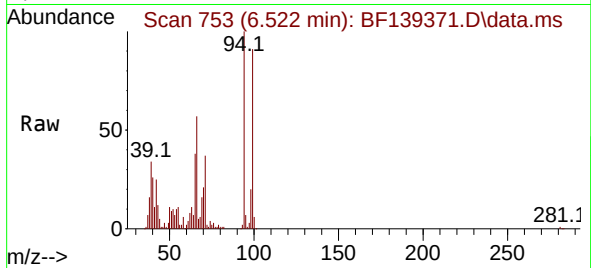
Tgt Ion: 77 Resp: 29277  
Ion Ratio Lower Upper  
77 100  
105 92.8 71.0 111.0  
106 86.6 64.9 104.9





#10  
Phenol  
Concen: 33.125 ng  
RT: 6.522 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

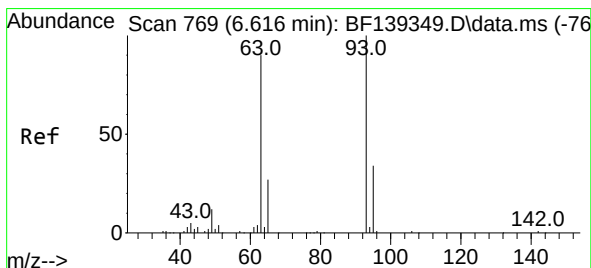
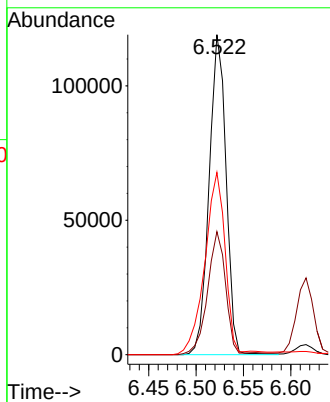
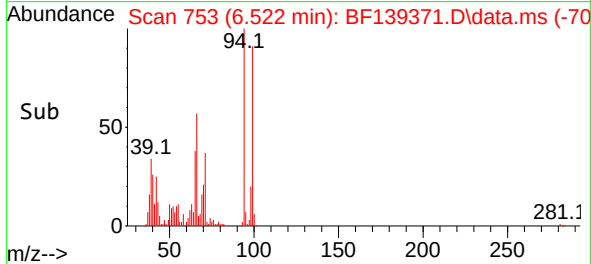
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion: 94 Resp: 147864  
Ion Ratio Lower Upper  
94 100  
65 38.4 17.6 57.6  
66 56.9 35.2 75.2

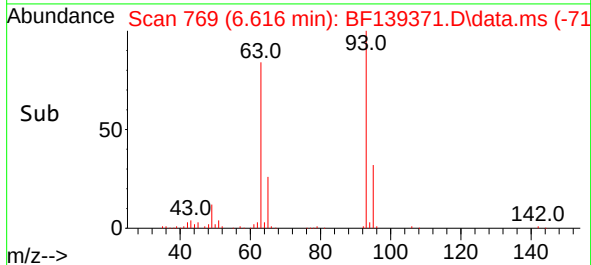
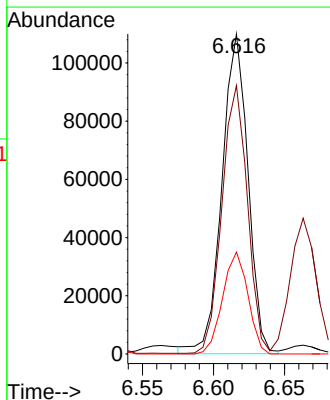
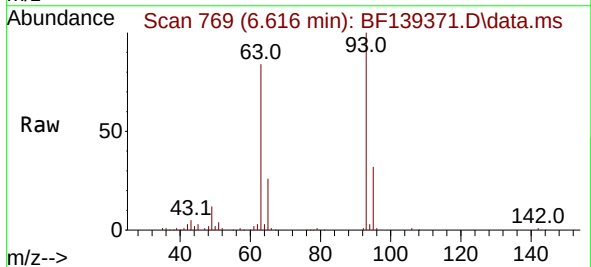
Manual Integrations  
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Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

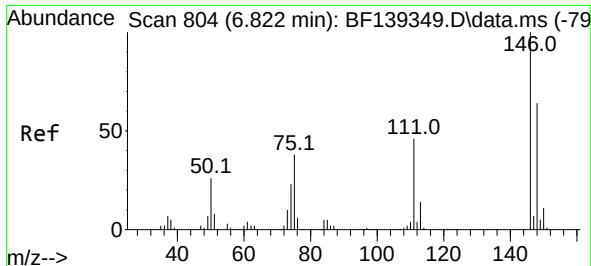


#11  
bis(2-Chloroethyl)ether  
Concen: 41.325 ng  
RT: 6.616 min Scan# 769  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Tgt Ion: 93 Resp: 140208  
Ion Ratio Lower Upper  
93 100  
63 83.9 65.3 105.3  
95 31.8 12.4 52.4







#12

1,3-Dichlorobenzene

Concen: 38.271 ng

RT: 6.822 min Scan# 804

Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD

Tgt Ion:146 Resp: 14960

Ion Ratio Lower Upper

146 100

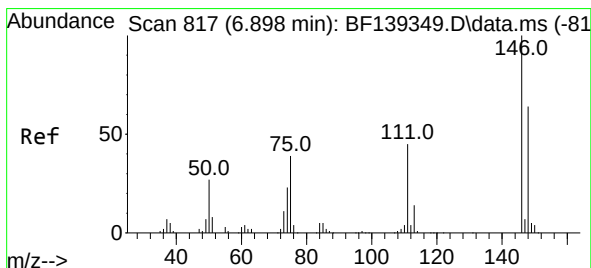
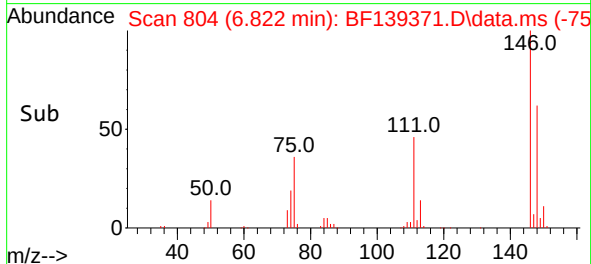
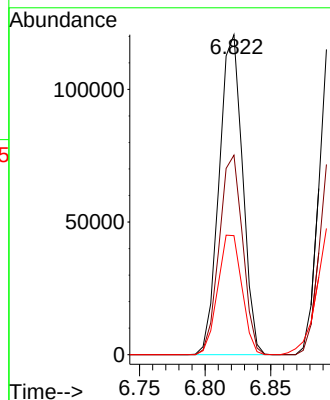
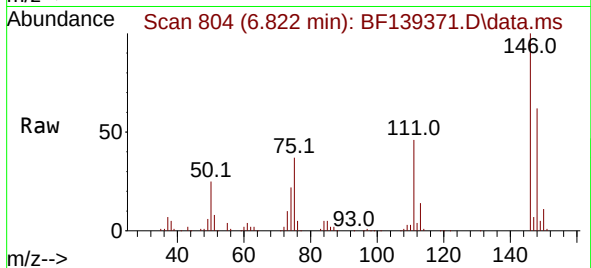
148 62.3 51.2 76.8

75 37.2 30.6 46.0

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Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#13

1,4-Dichlorobenzene

Concen: 38.362 ng

RT: 6.898 min Scan# 817

Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

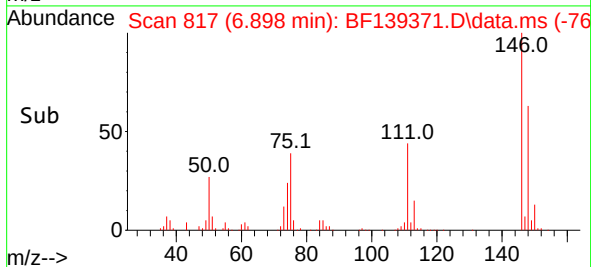
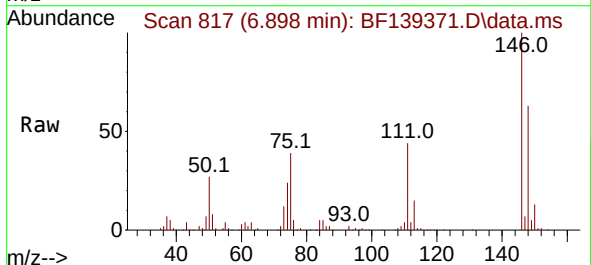
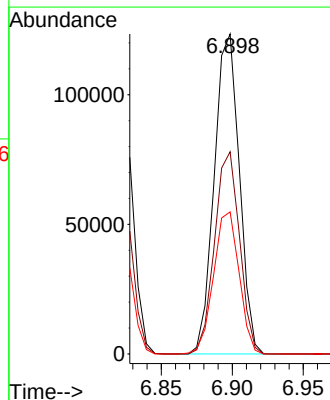
Tgt Ion:146 Resp: 151541

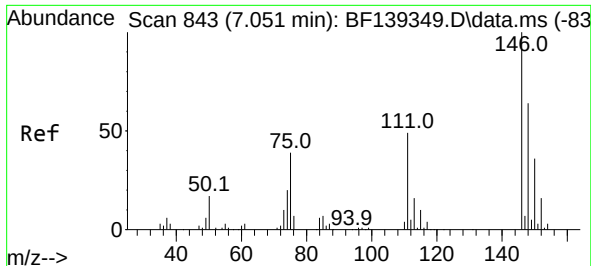
Ion Ratio Lower Upper

146 100

148 63.2 50.9 76.3

111 44.4 36.3 54.5





#14

1,2-Dichlorobenzene

Concen: 38.904 ng

RT: 7.045 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

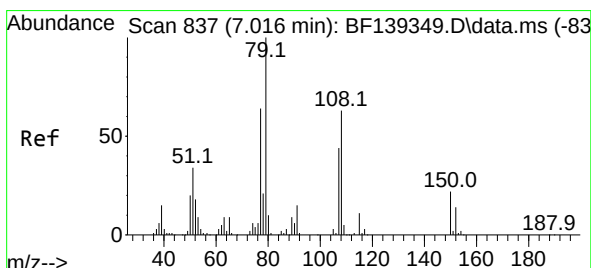
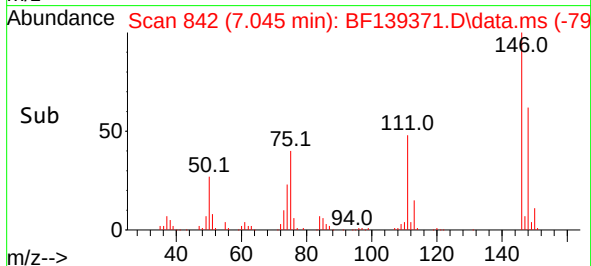
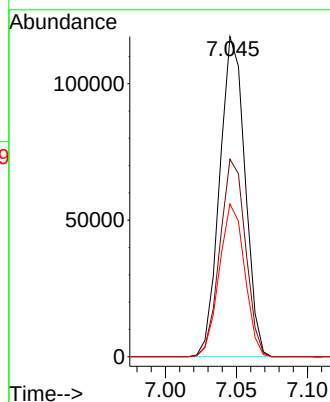
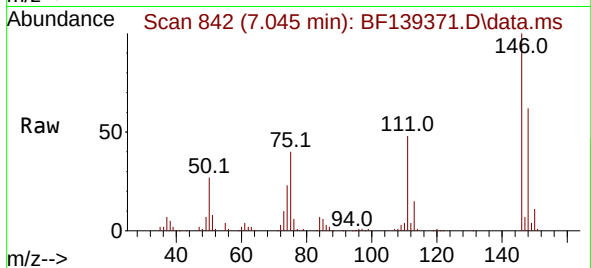
FM1MSD

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 14521     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 148         | 61.7  | 50.9 76.3 |
| 111         | 47.8  | 38.9 58.3 |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#15

Benzyl Alcohol

Concen: 5.151 ng

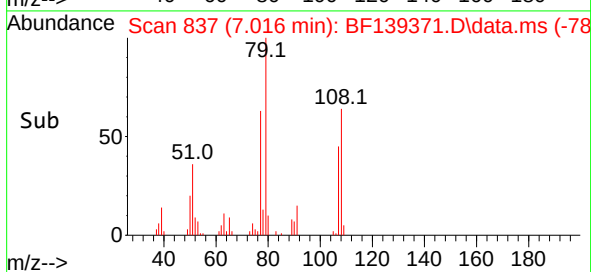
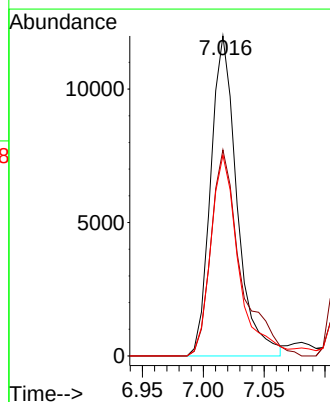
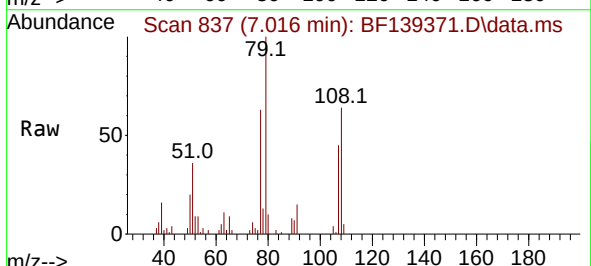
RT: 7.016 min Scan# 837

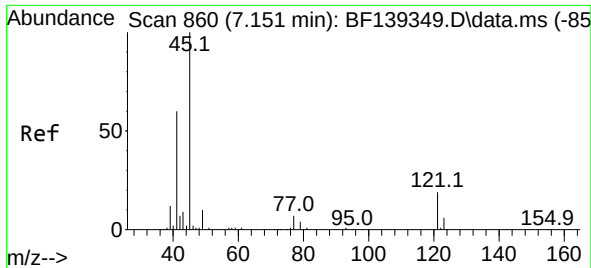
Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

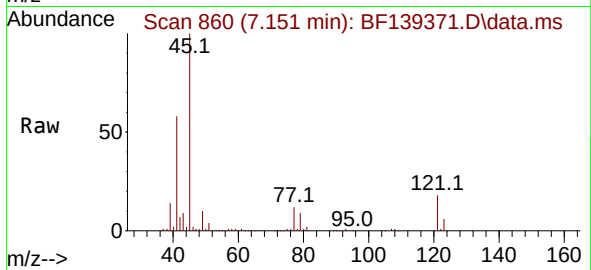
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 79 | Resp: | 18012     |
| Ion Ratio   | Lower | Upper     |
| 79          | 100   |           |
| 108         | 64.4  | 50.4 75.6 |
| 77          | 62.7  | 51.4 77.2 |





#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 45.606 ng  
RT: 7.151 min Scan# 860  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

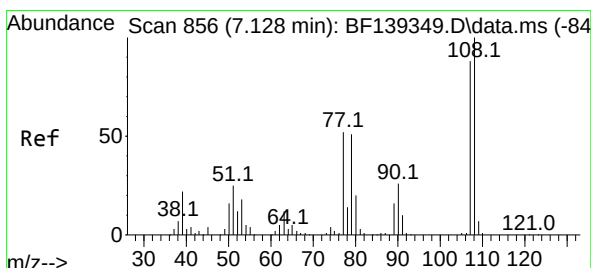
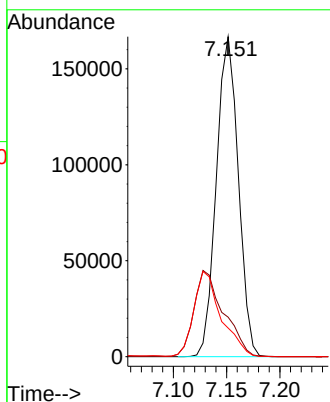
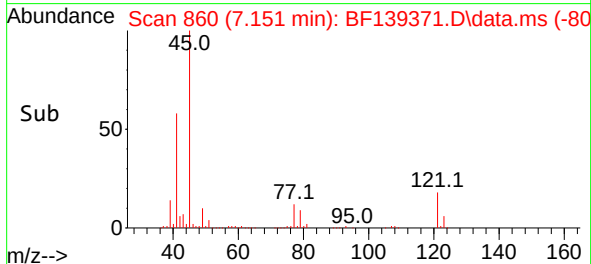
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion: 45 Resp: 238462  
Ion Ratio Lower Upper  
45 100  
77 12.3 0.0 32.0  
79 8.9 0.0 29.1

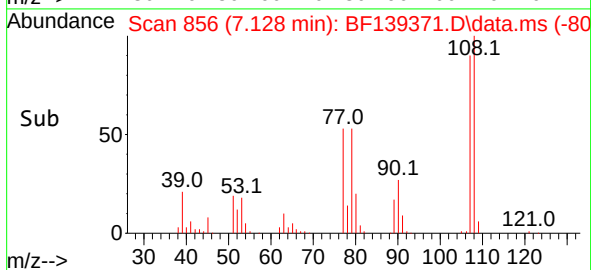
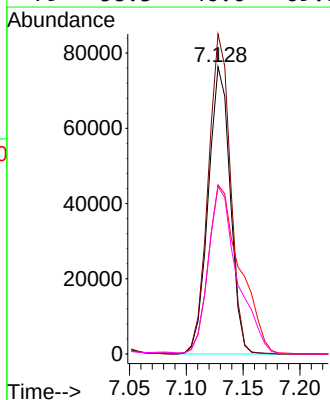
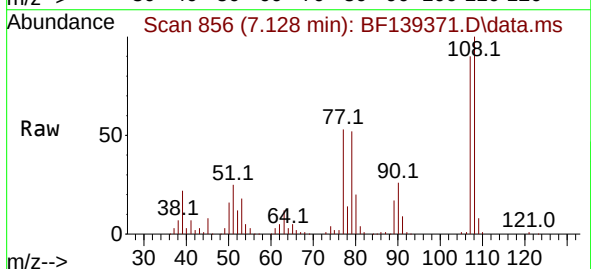
Manual Integrations  
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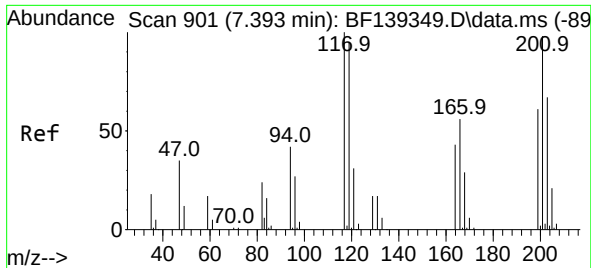
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#17  
2-Methylphenol  
Concen: 37.619 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

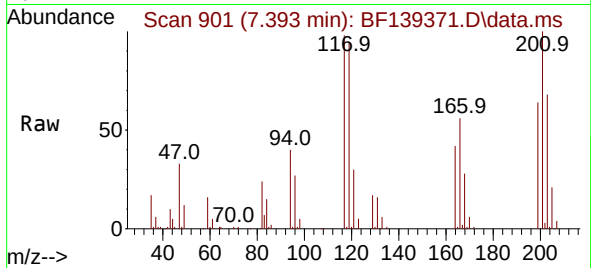
Tgt Ion:107 Resp: 102733  
Ion Ratio Lower Upper  
107 100  
108 111.4 90.5 135.7  
77 58.9 47.1 70.7  
79 58.3 46.6 69.8





#18  
Hexachloroethane  
Concen: 38.181 ng  
RT: 7.393 min Scan# 901  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

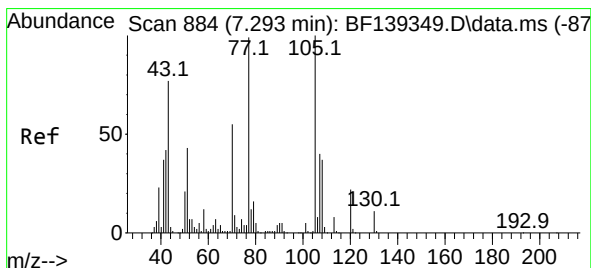
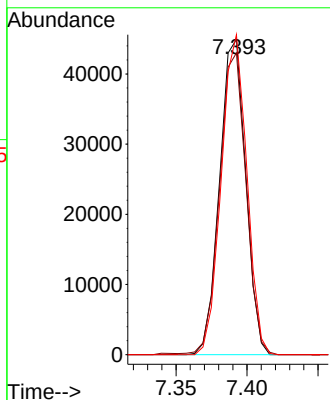
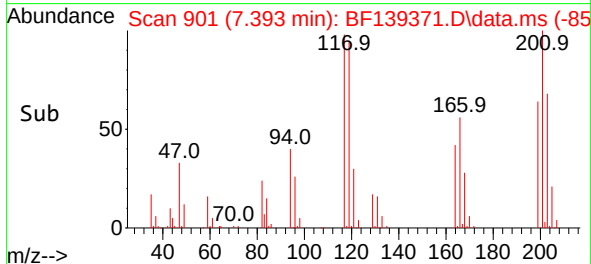
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



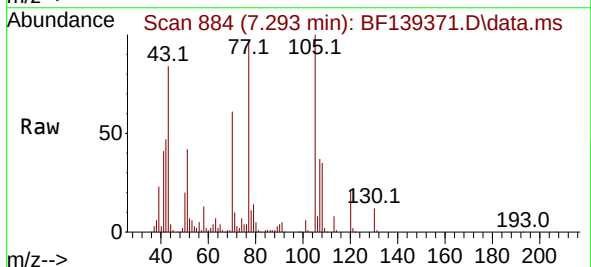
Tgt Ion:117 Resp: 5744  
Ion Ratio Lower Upper  
117 100  
119 95.8 75.8 113.8  
201 101.5 78.6 118.0

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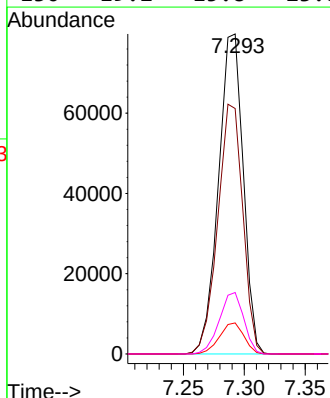
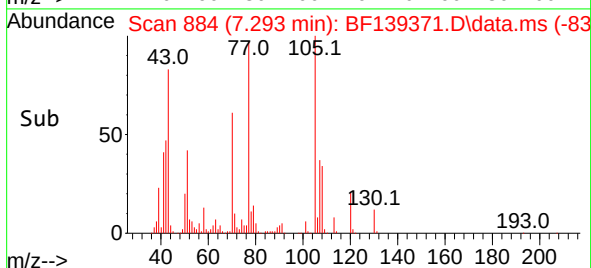
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

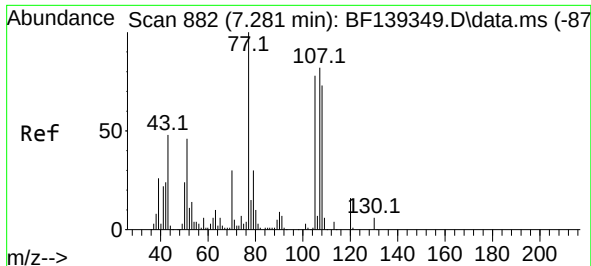


#19  
n-Nitroso-di-n-propylamine  
Concen: 43.374 ng  
RT: 7.293 min Scan# 884  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



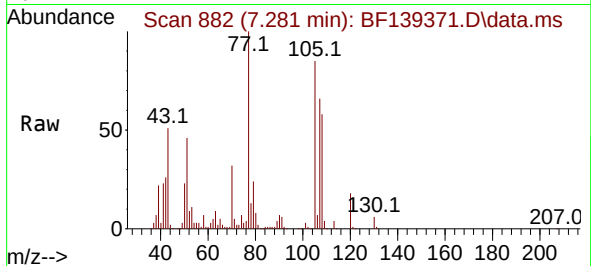
Tgt Ion: 70 Resp: 112652  
Ion Ratio Lower Upper  
70 100  
42 76.7 61.2 91.8  
101 9.7 7.5 11.3  
130 19.2 15.8 23.8





#20  
3+4-Methylphenols  
Concen: 36.704 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

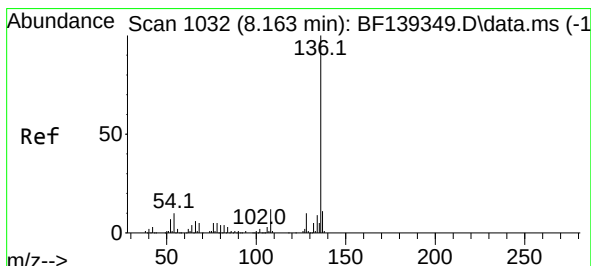
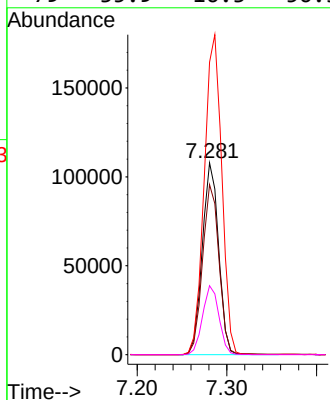
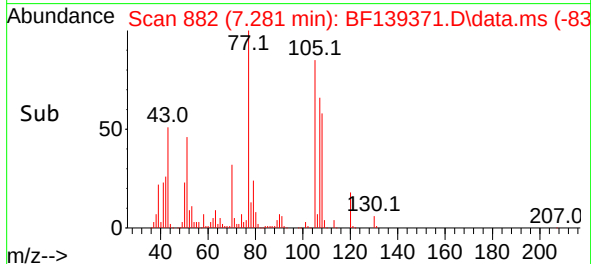
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion:107 Resp: 136754  
Ion Ratio Lower Upper  
107 100  
108 88.6 68.6 108.6  
77 152.4 101.6 141.6  
79 35.9 16.3 56.3

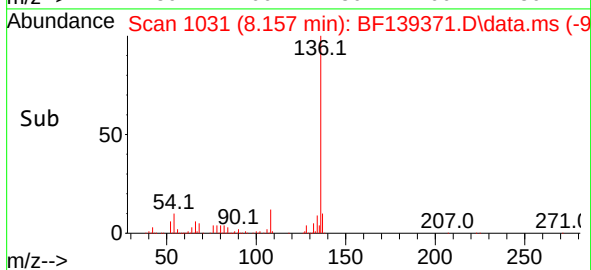
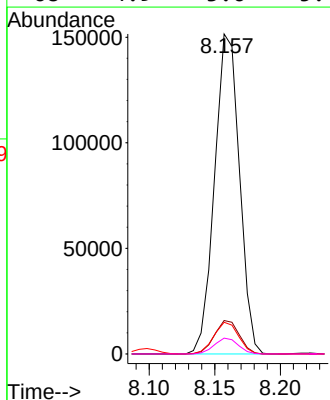
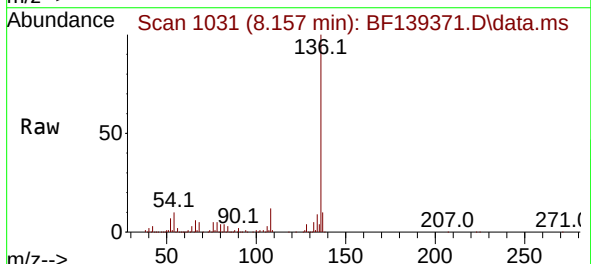
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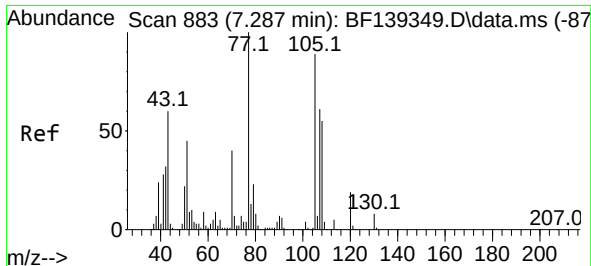
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

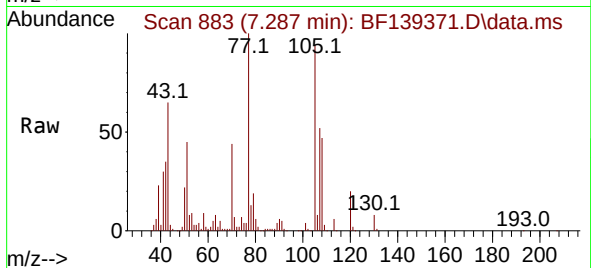
Tgt Ion:136 Resp: 199865  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 12.8  
54 9.9 7.8 11.8  
68 4.9 3.6 5.4





#22  
Acetophenone  
Concen: 42.626 ng  
RT: 7.287 min Scan# 883  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

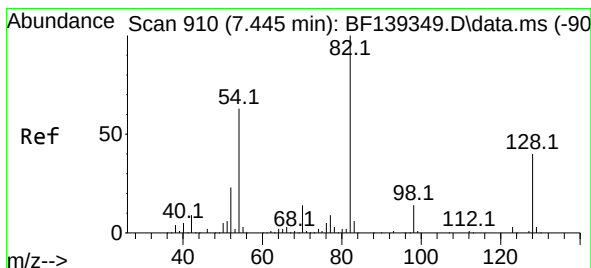
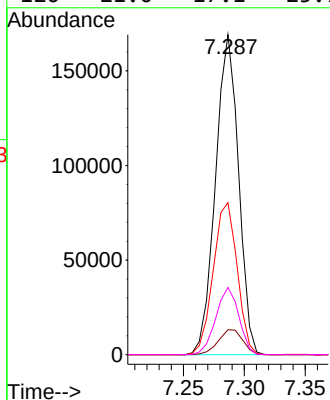
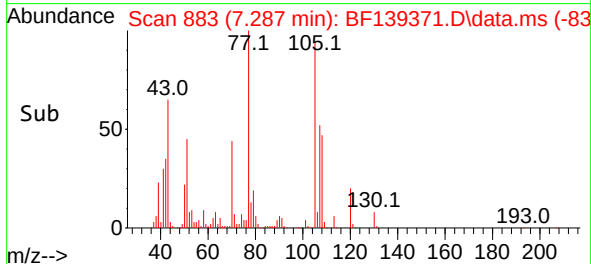
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion: 105 Resp: 222723  
Ion Ratio Lower Upper  
105 100  
71 7.8 5.9 8.9  
51 47.5 40.0 60.0  
120 21.0 17.1 25.7

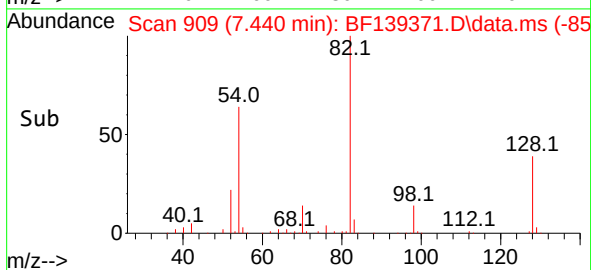
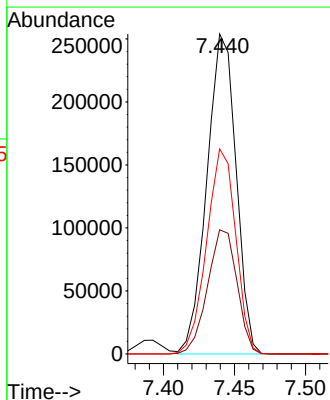
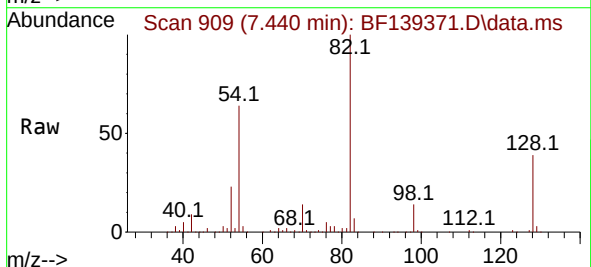
Manual Integrations  
APPROVED

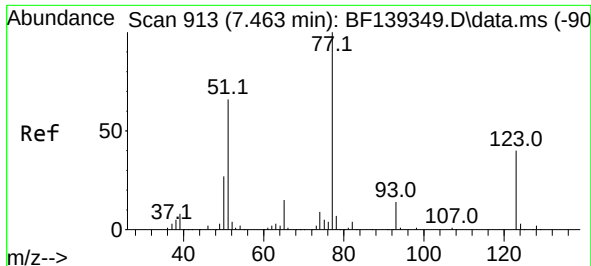
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#23  
Nitrobenzene-d5  
Concen: 85.511 ng  
RT: 7.440 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Tgt Ion: 82 Resp: 363543  
Ion Ratio Lower Upper  
82 100  
128 38.8 31.8 47.6  
54 64.1 50.6 75.8





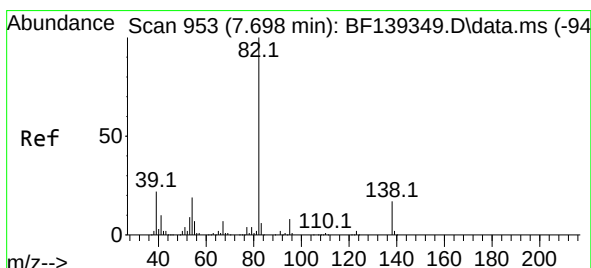
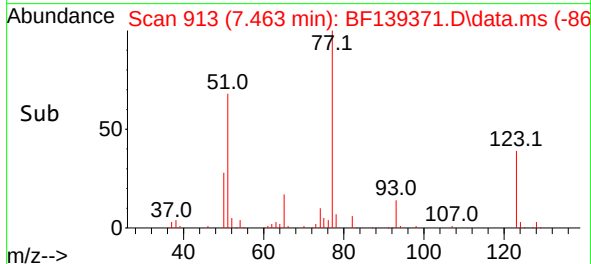
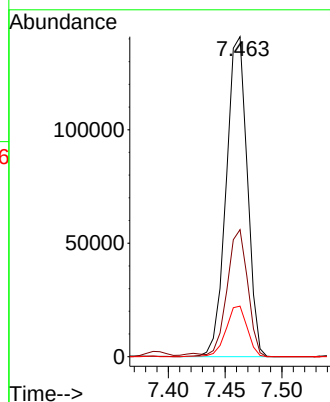
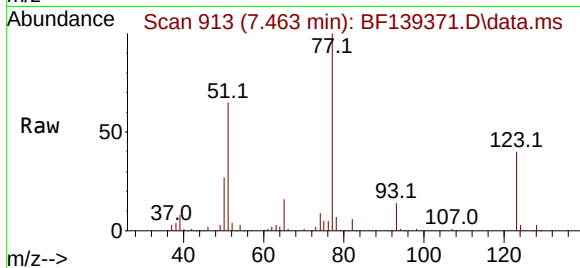
#24  
Nitrobenzene  
Concen: 41.563 ng  
RT: 7.463 min Scan# 913  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD

Tgt Ion: 77 Resp: 181864  
Ion Ratio Lower Upper  
77 100  
123 39.7 32.2 48.4  
65 15.8 12.2 18.4

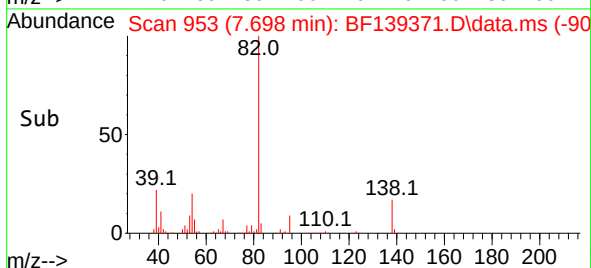
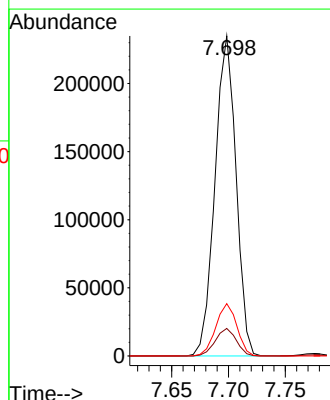
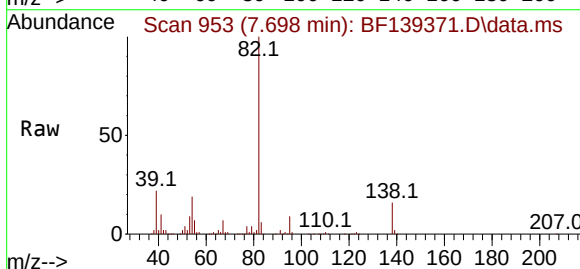
Manual Integrations  
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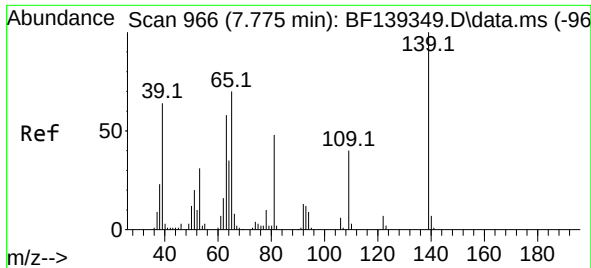
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#25  
Isophorone  
Concen: 45.102 ng  
RT: 7.698 min Scan# 953  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Tgt Ion: 82 Resp: 303252  
Ion Ratio Lower Upper  
82 100  
95 8.6 6.7 10.1  
138 16.3 13.3 19.9





#26  
2-Nitrophenol  
Concen: 43.695 ng  
RT: 7.775 min Scan# 901  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

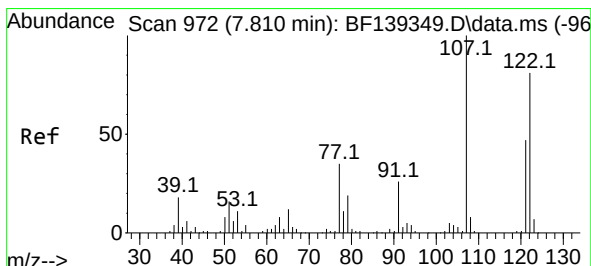
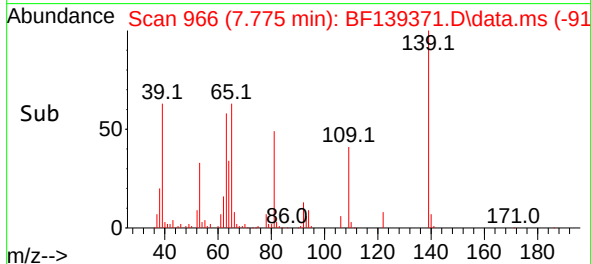
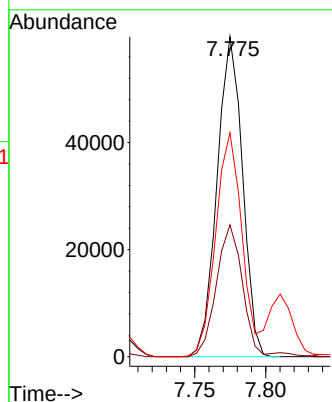
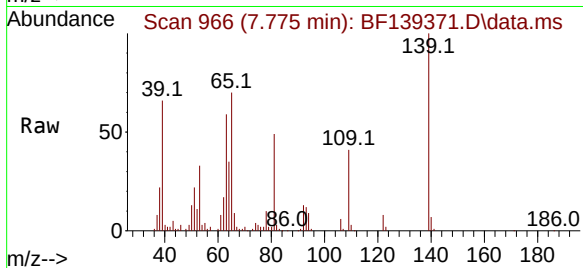
ClientSampleId :

FM1MSD

Tgt Ion:139 Resp: 7448  
Ion Ratio Lower Upper  
139 100  
109 41.2 32.2 48.2  
65 70.0 55.8 83.8

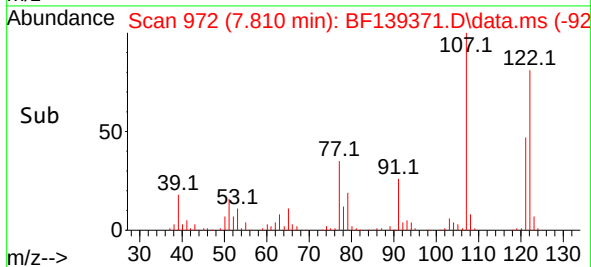
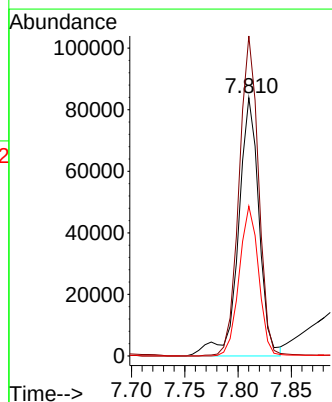
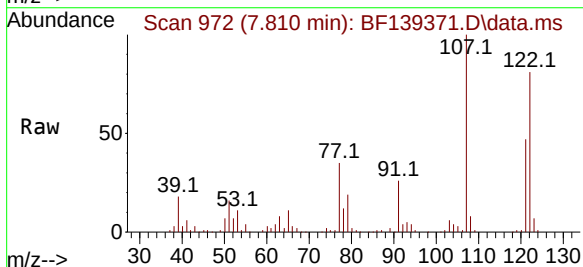
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

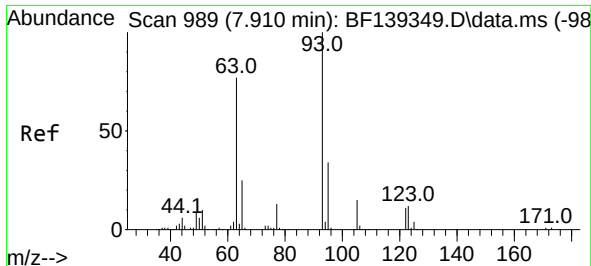


#27  
2,4-Dimethylphenol  
Concen: 50.256 ng  
RT: 7.810 min Scan# 972  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Tgt Ion:122 Resp: 113008  
Ion Ratio Lower Upper  
122 100  
107 123.9 99.1 148.7  
121 58.0 46.6 70.0







#28  
bis(2-Chloroethoxy)methane  
Concen: 13.094 ng  
RT: 7.904 min Scan# 989  
Delta R.T. -0.006 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

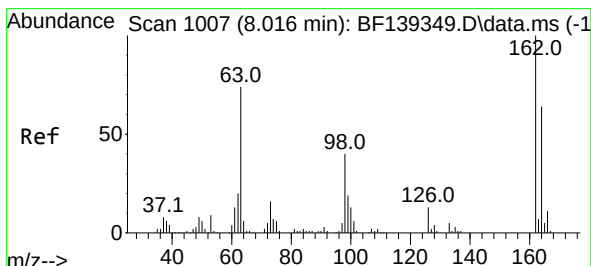
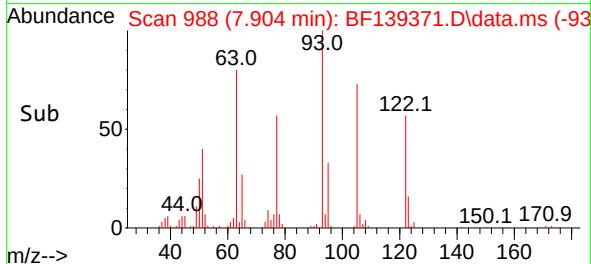
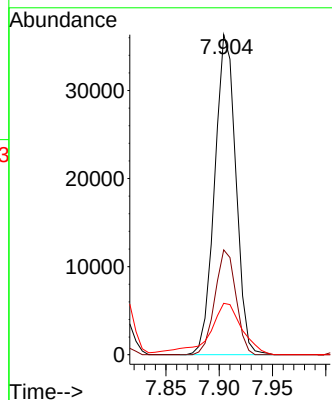
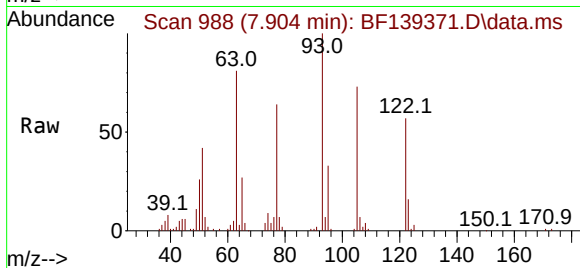
FM1MSD

Tgt Ion: 93 Resp: 50170  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.9 40.3  
123 16.1 10.0 15.0

Manual Integrations

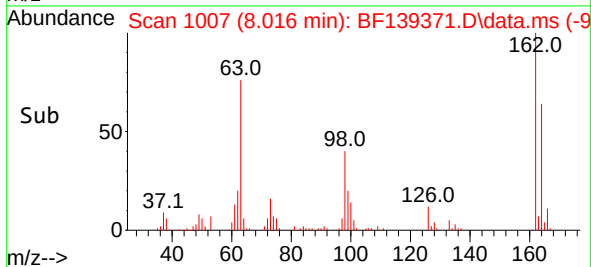
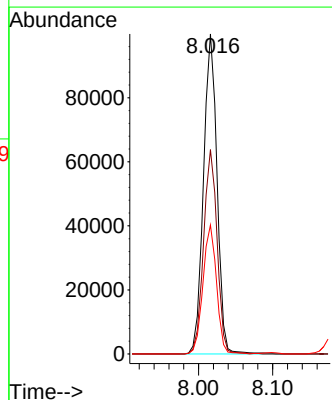
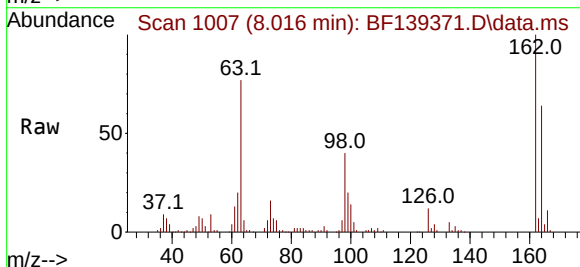
APPROVED

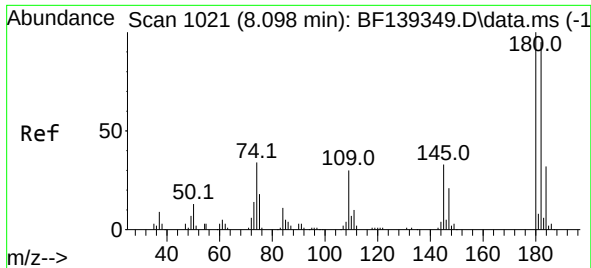
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#29  
2,4-Dichlorophenol  
Concen: 44.537 ng  
RT: 8.016 min Scan# 1007  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

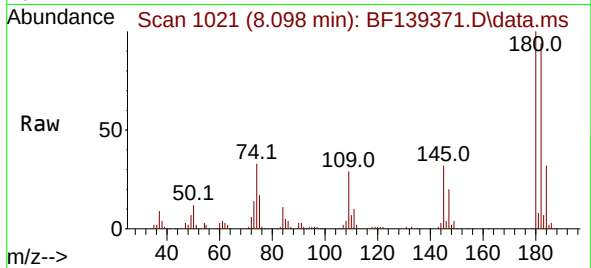
Tgt Ion:162 Resp: 127228  
Ion Ratio Lower Upper  
162 100  
164 63.9 43.6 83.6  
98 40.3 19.7 59.7





#30  
1,2,4-Trichlorobenzene  
Concen: 39.100 ng  
RT: 8.098 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

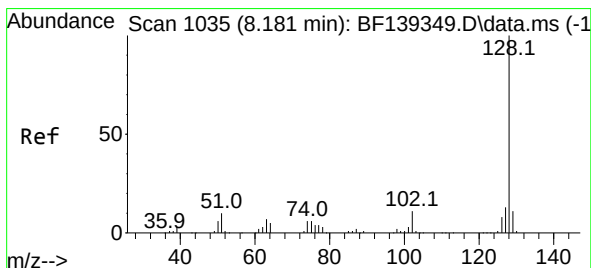
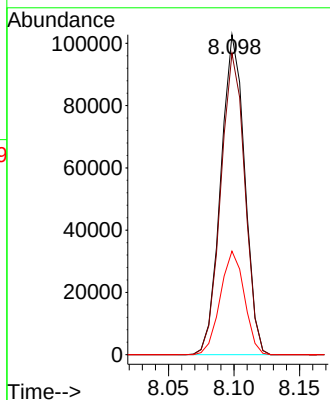
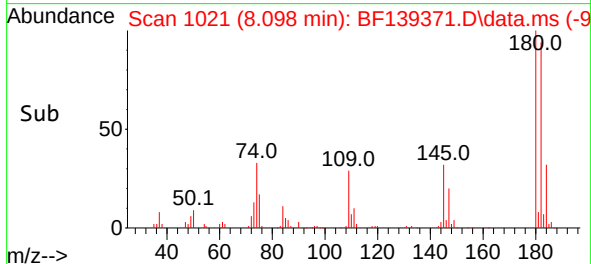
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion:180 Resp: 13014  
Ion Ratio Lower Upper  
180 100  
182 94.2 75.7 113.5  
145 32.4 26.5 39.7

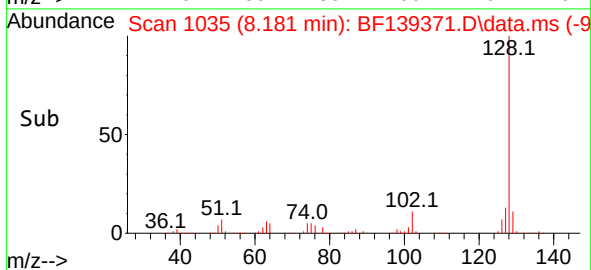
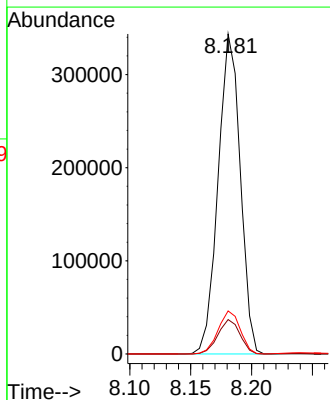
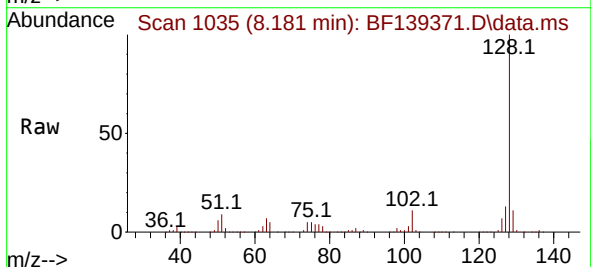
Manual Integrations  
APPROVED

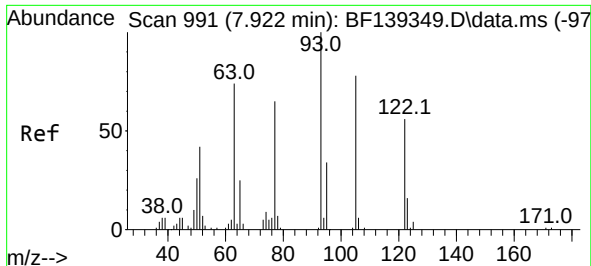
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#31  
Naphthalene  
Concen: 41.735 ng  
RT: 8.181 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

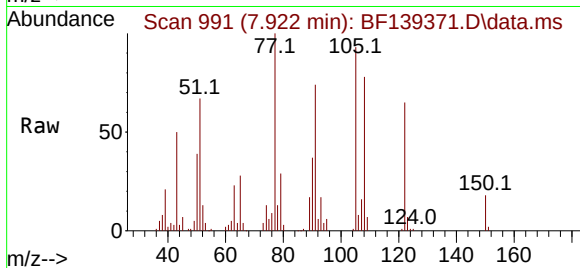
Tgt Ion:128 Resp: 435468  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 13.0  
127 13.4 10.6 16.0





#32  
Benzoic acid  
Concen: 40.421 ng  
RT: 7.922 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

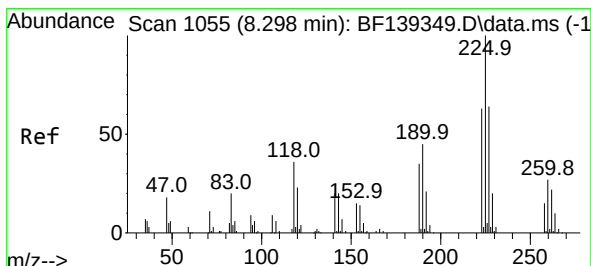
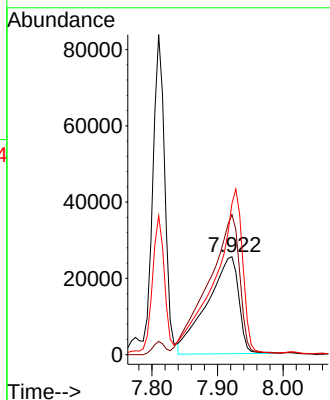
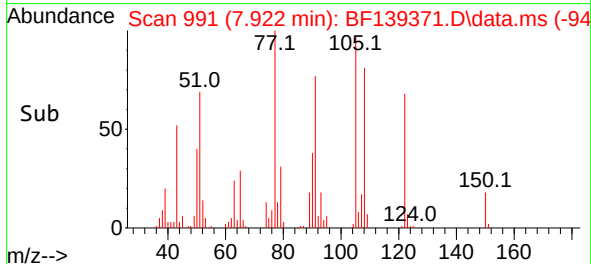
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion:122 Resp: 8506  
Ion Ratio Lower Upper  
122 100  
105 142.9 117.1 157.1  
77 154.1 95.4 135.4

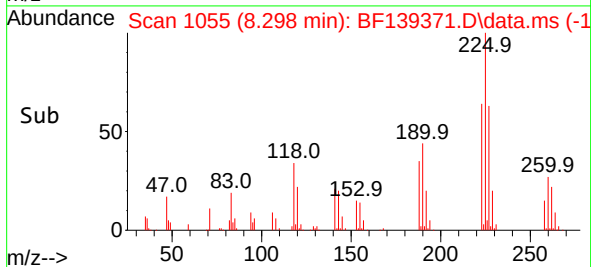
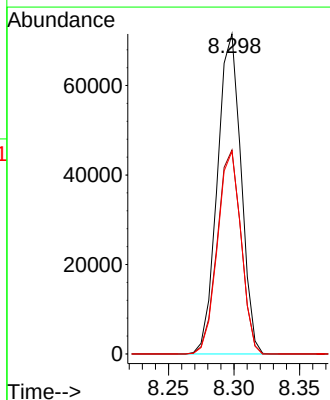
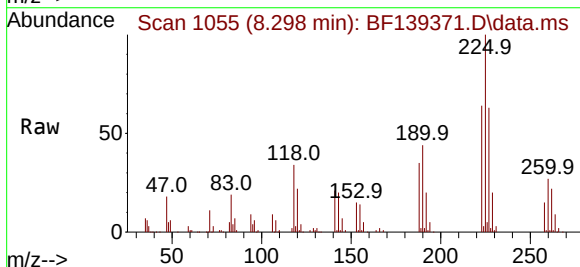
Manual Integrations  
APPROVED

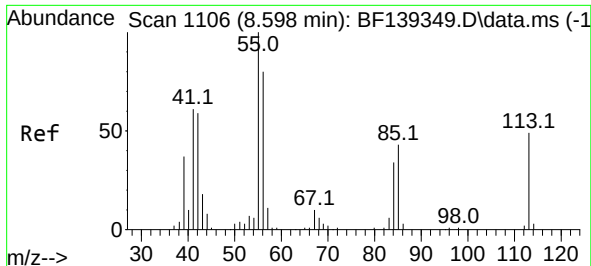
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#34  
Hexachlorobutadiene  
Concen: 39.740 ng  
RT: 8.298 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

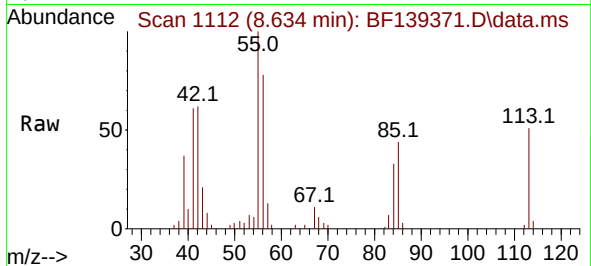
Tgt Ion:225 Resp: 89867  
Ion Ratio Lower Upper  
225 100  
223 63.8 50.1 75.1  
227 63.3 51.0 76.6





#35  
Caprolactam  
Concen: 20.995 ng  
RT: 8.634 min Scan# 1112  
Delta R.T. 0.035 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

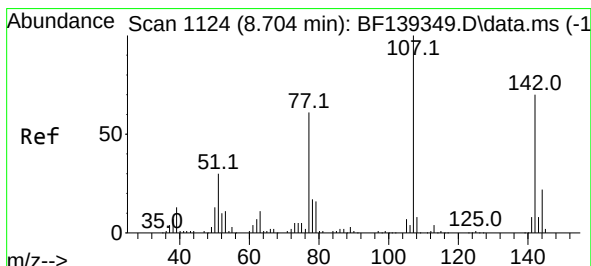
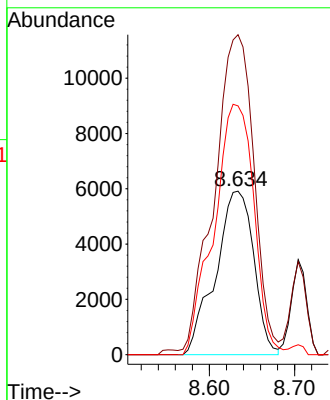
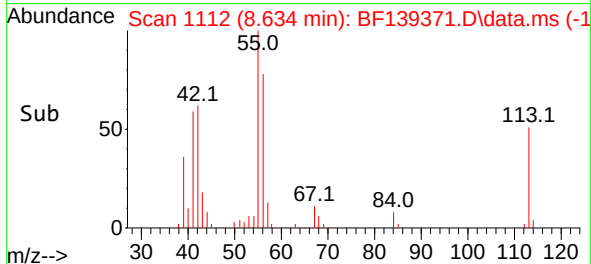
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion:113 Resp: 18449  
Ion Ratio Lower Upper  
113 100  
55 195.7 186.1 226.1  
56 152.1 144.9 184.9

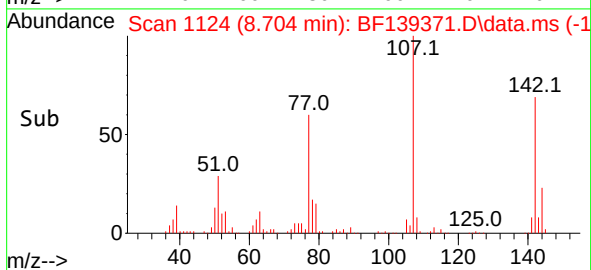
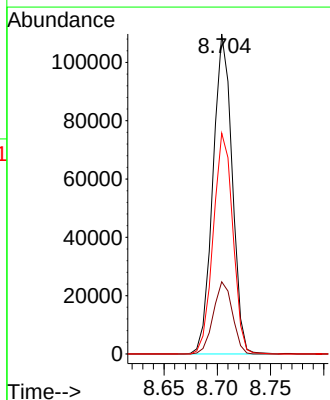
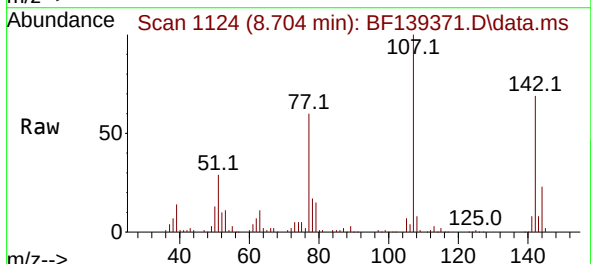
Manual Integrations  
APPROVED

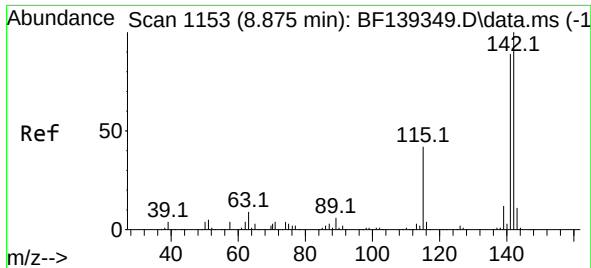
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#36  
4-Chloro-3-methylphenol  
Concen: 42.229 ng  
RT: 8.704 min Scan# 1124  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Tgt Ion:107 Resp: 137869  
Ion Ratio Lower Upper  
107 100  
144 22.6 17.5 26.3  
142 69.0 55.8 83.8





#37

2-Methylnaphthalene

Concen: 43.900 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD

Tgt Ion:142 Resp: 290744

Ion Ratio Lower Upper

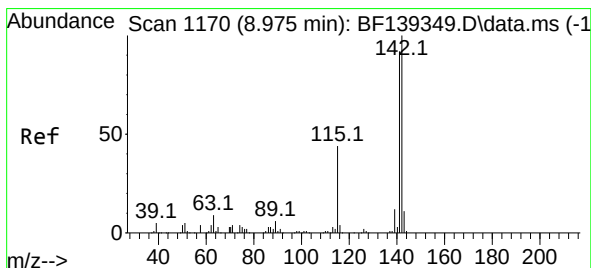
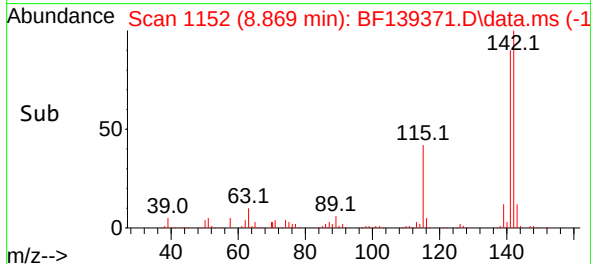
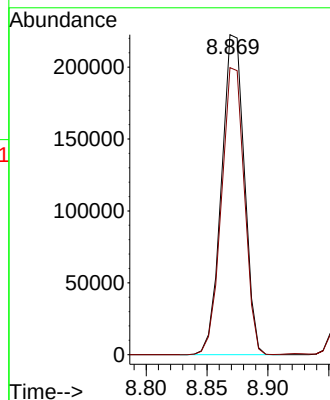
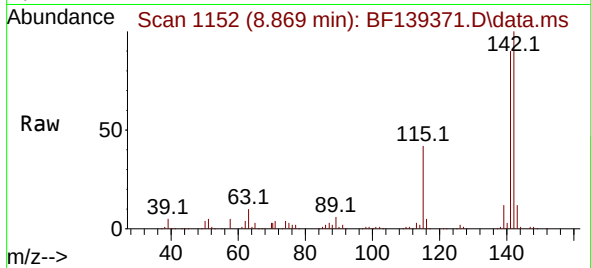
142 100

141 89.7 71.6 107.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#38

1-Methylnaphthalene

Concen: 42.312 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF139371.D

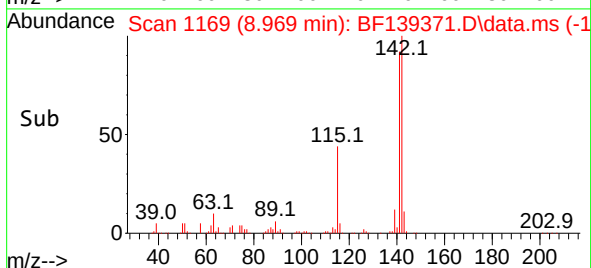
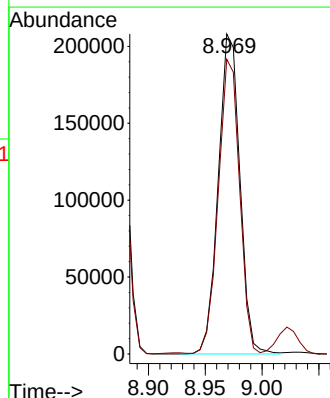
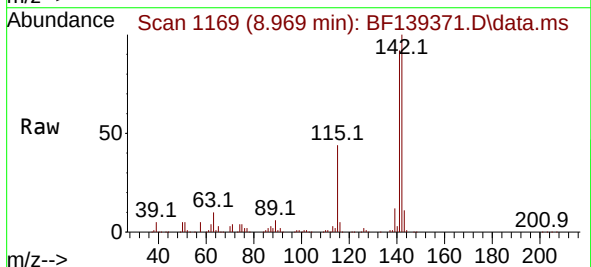
Acq: 14 Sep 2024 16:39

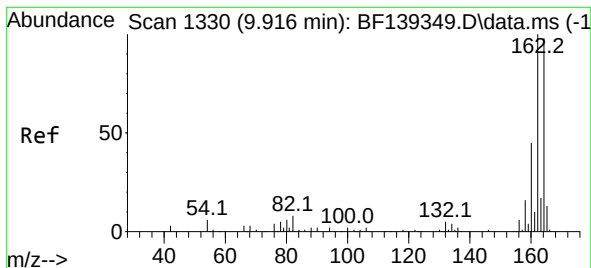
Tgt Ion:142 Resp: 275118

Ion Ratio Lower Upper

142 100

141 92.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD

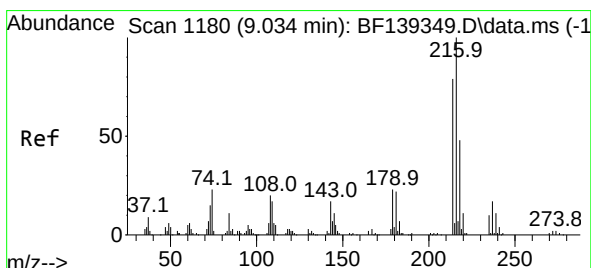
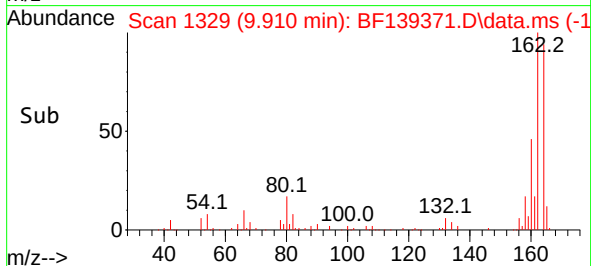
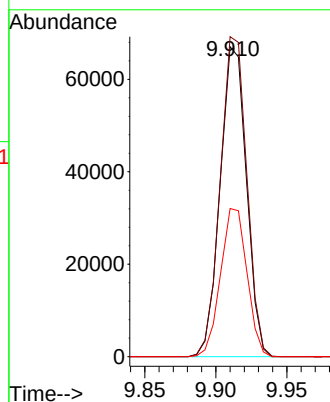
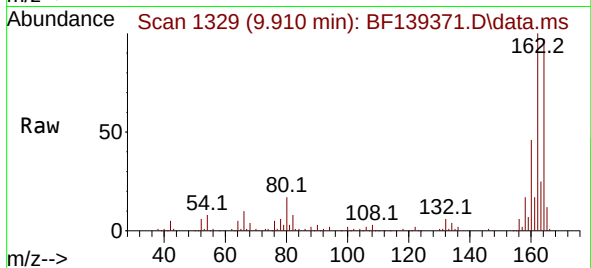
Tgt Ion:164 Resp: 8633

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.2 | 81.3  | 121.9 |
| 160 | 47.8  | 36.4  | 54.6  |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 55.279 ng

RT: 9.034 min Scan# 1180

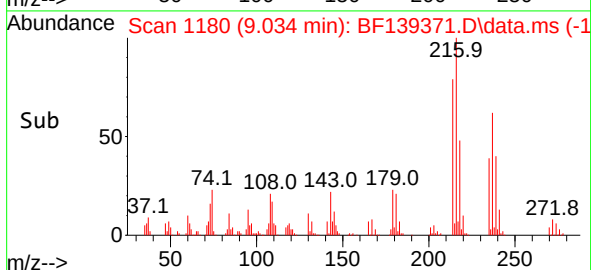
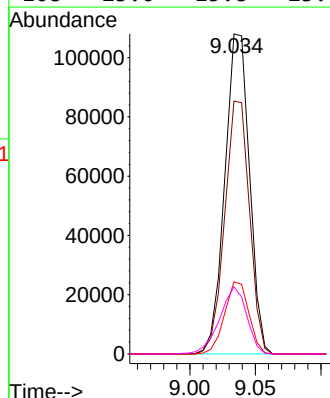
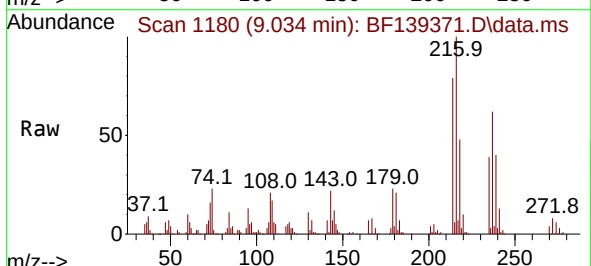
Delta R.T. -0.000 min

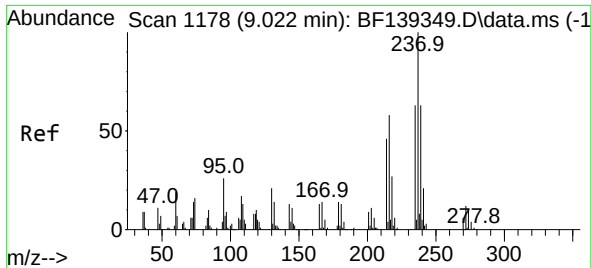
Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Tgt Ion:216 Resp: 141438

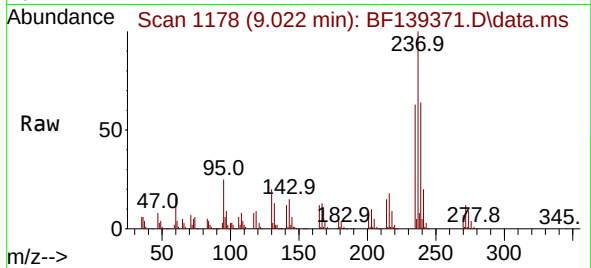
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 79.0  | 63.4  | 95.0  |
| 179 | 22.2  | 18.2  | 27.2  |
| 108 | 23.0  | 15.8  | 23.6  |





#41  
Hexachlorocyclopentadiene  
Concen: 200.096 ng  
RT: 9.022 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

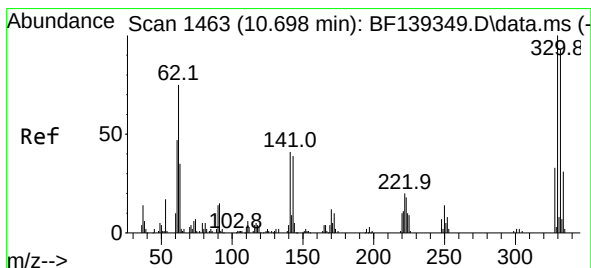
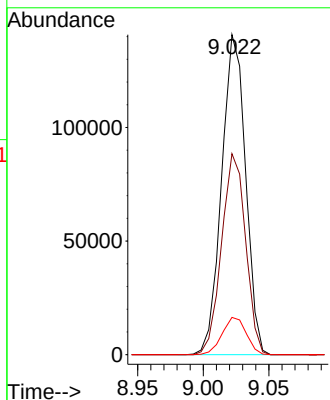
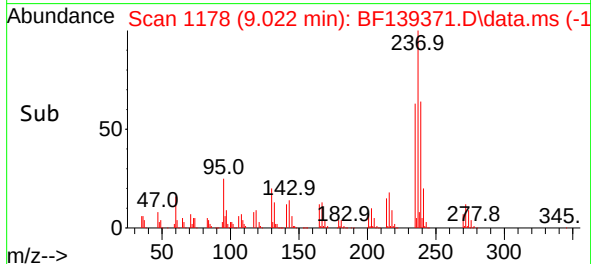
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



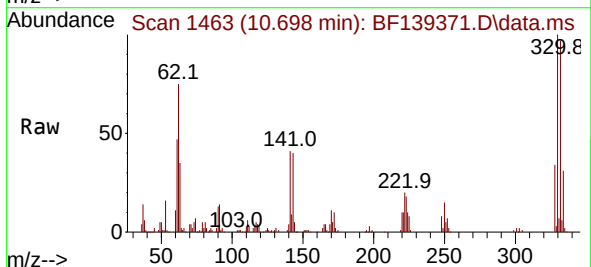
Tgt Ion:237 Resp: 178760  
Ion Ratio Lower Upper  
237 100  
235 62.8 42.7 82.7  
272 11.6 0.0 32.5

Manual Integrations  
APPROVED

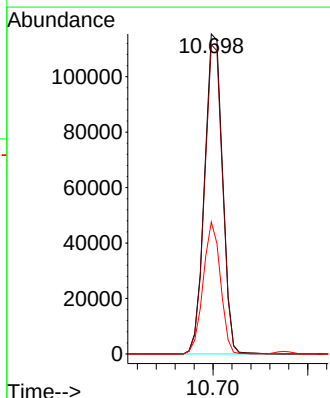
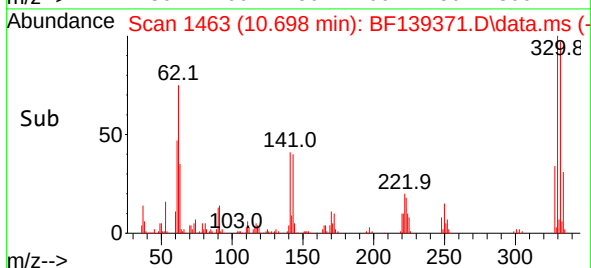
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

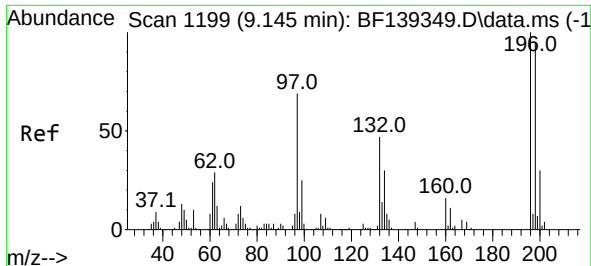


#42  
2,4,6-Tribromophenol  
Concen: 165.455 ng  
RT: 10.698 min Scan# 1463  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



Tgt Ion:330 Resp: 152073  
Ion Ratio Lower Upper  
330 100  
332 96.3 75.2 112.8  
141 39.6 31.2 46.8





#43

2,4,6-Trichlorophenol

Concen: 60.412 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD

Tgt Ion:196 Resp: 10056

Ion Ratio Lower Upper

196 100

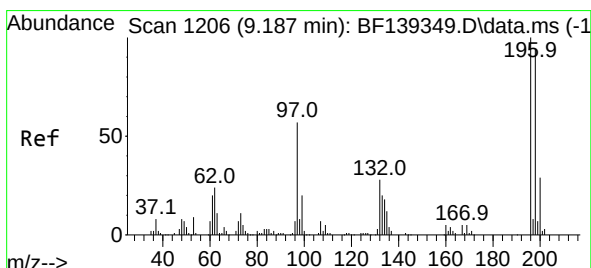
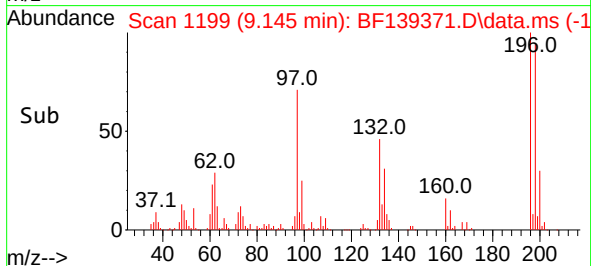
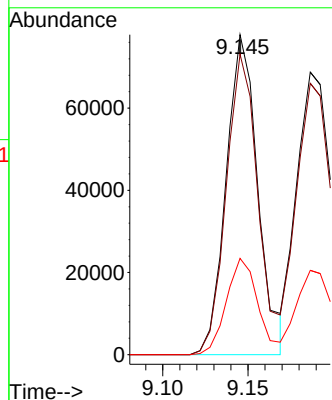
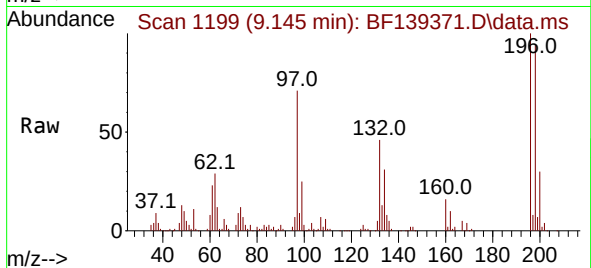
198 93.9 75.8 113.6

200 30.1 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#44

2,4,5-Trichlorophenol

Concen: 55.891 ng

RT: 9.187 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Tgt Ion:196 Resp: 98140

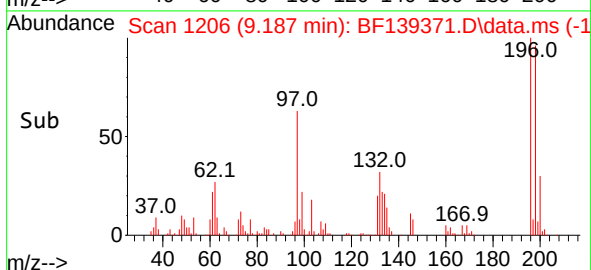
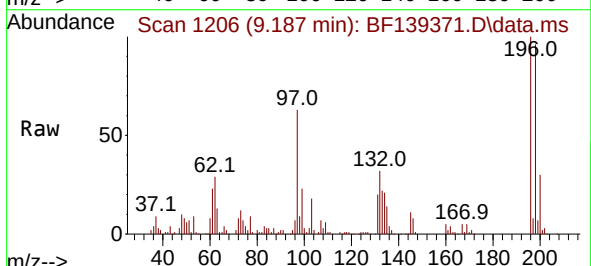
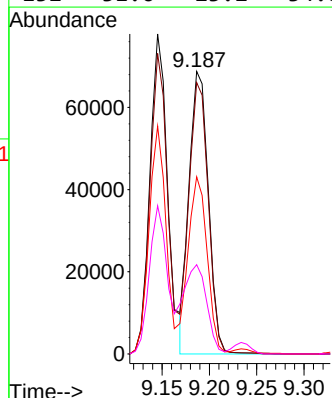
Ion Ratio Lower Upper

196 100

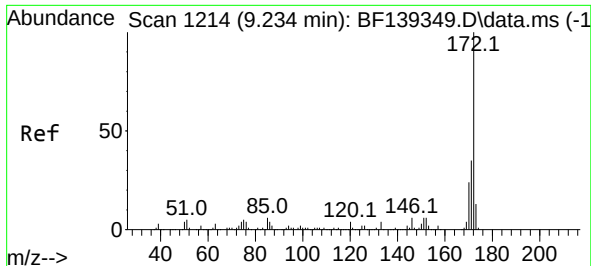
198 96.0 74.8 112.2

97 62.7 47.3 70.9

132 31.6 23.2 34.8







#45

2-Fluorobiphenyl

Concen: 108.161 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD

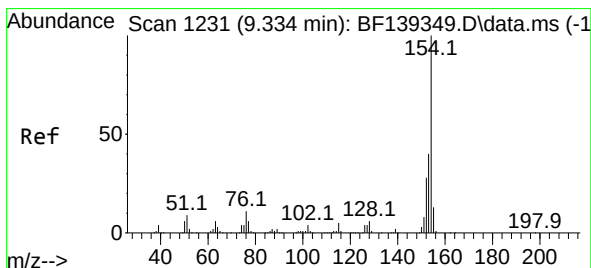
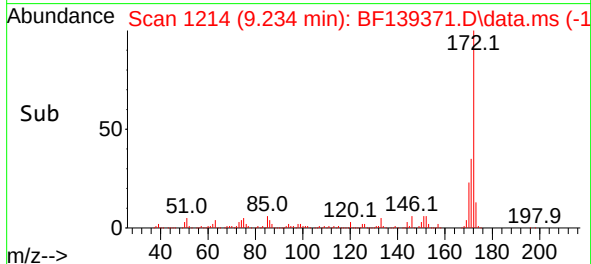
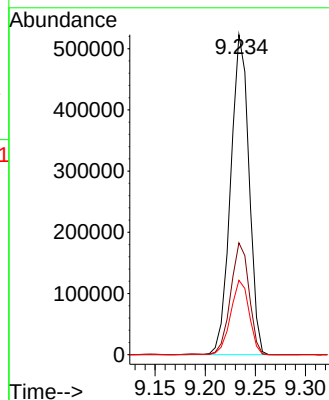
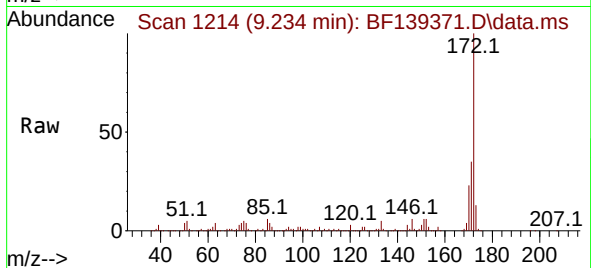
Tgt Ion:172 Resp: 665792

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.0  | 28.3  | 42.5  |
| 170 | 23.3  | 19.0  | 28.6  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#46

1,1'-Biphenyl

Concen: 55.906 ng

RT: 9.334 min Scan# 1231

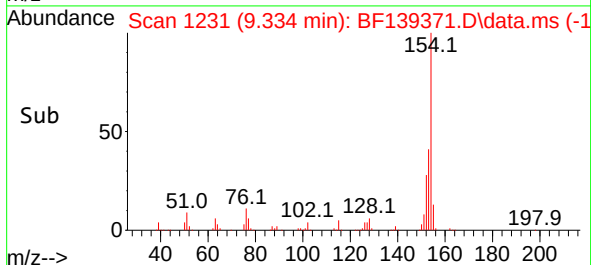
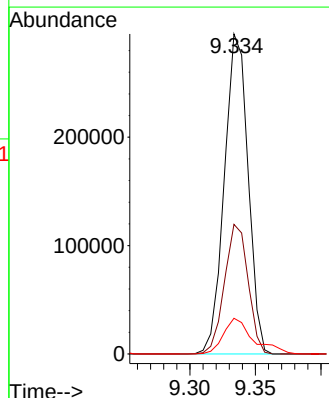
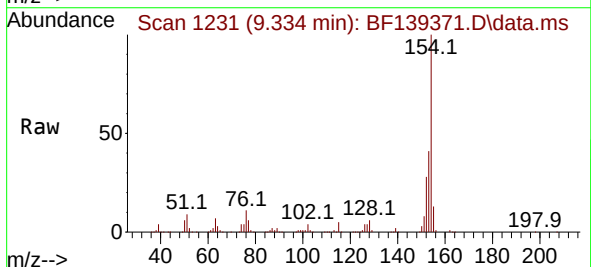
Delta R.T. -0.000 min

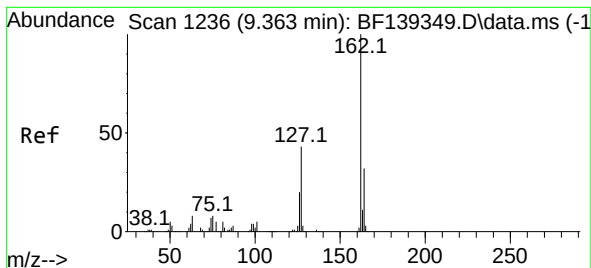
Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Tgt Ion:154 Resp: 371317

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 40.5  | 20.1  | 60.1  |
| 76  | 11.2  | 0.0   | 31.1  |





#47

2-Chloronaphthalene

Concen: 55.339 ng

RT: 9.363 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF139371.D

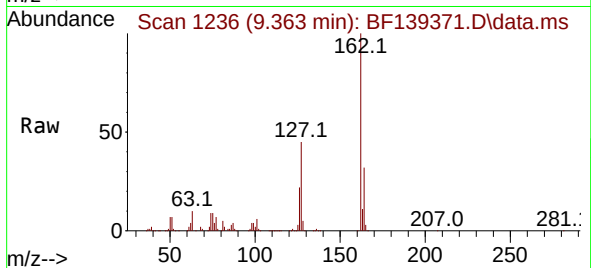
Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD



Tgt Ion:162 Resp: 274810

Ion Ratio Lower Upper

162 100

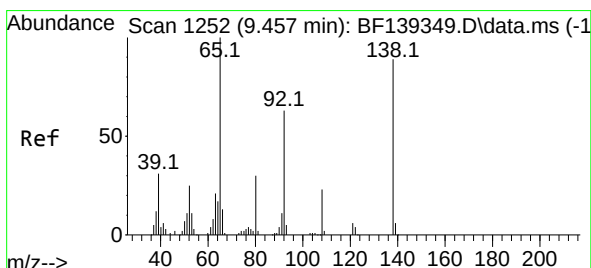
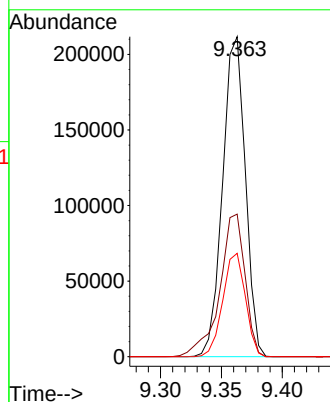
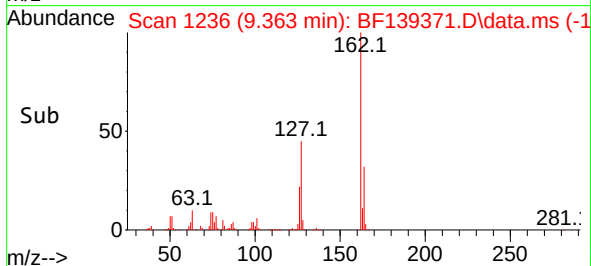
127 44.6 35.0 52.4

164 32.3 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#48

2-Nitroaniline

Concen: 22.463 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

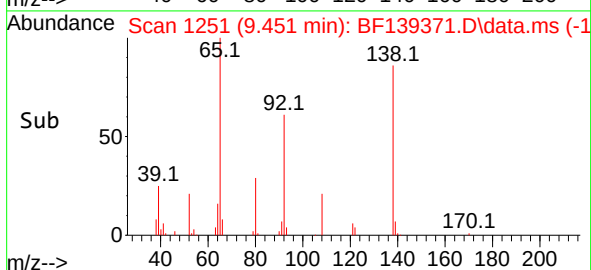
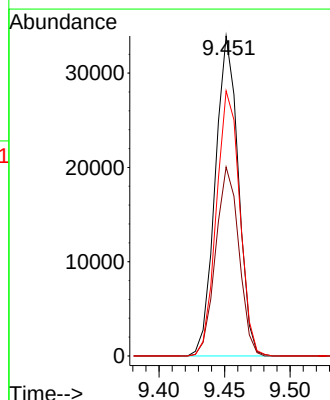
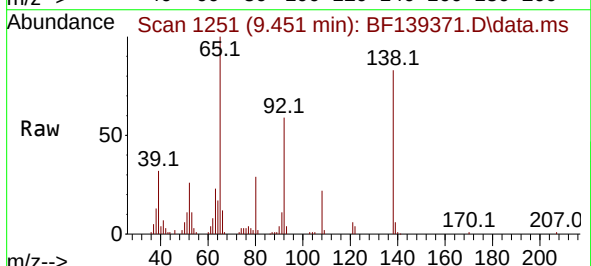
Tgt Ion: 65 Resp: 41491

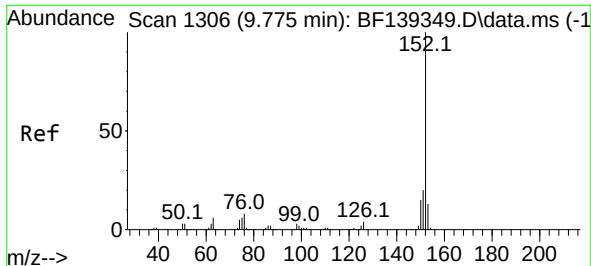
Ion Ratio Lower Upper

65 100

92 59.0 50.3 75.5

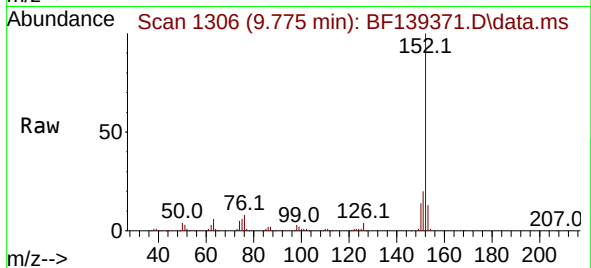
138 82.8 71.3 106.9





#49  
Acenaphthylene  
Concen: 29.548 ng  
RT: 9.775 min Scan# 1306  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

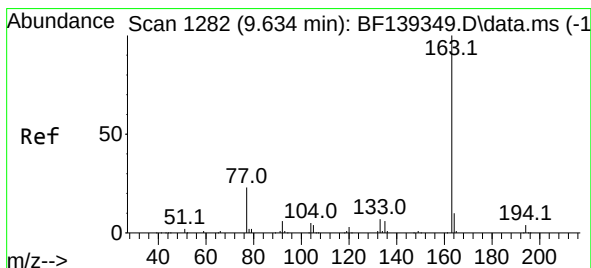
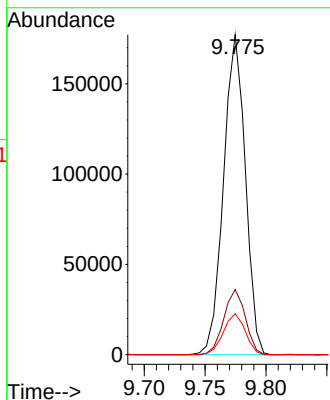
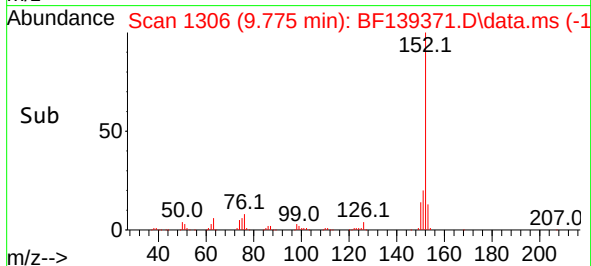
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion:152 Resp: 22088  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.2  
153 12.8 10.3 15.5

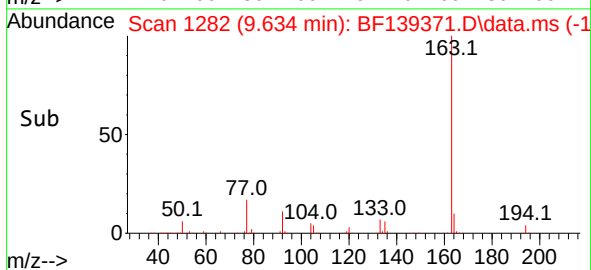
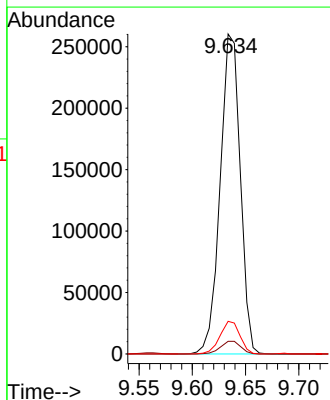
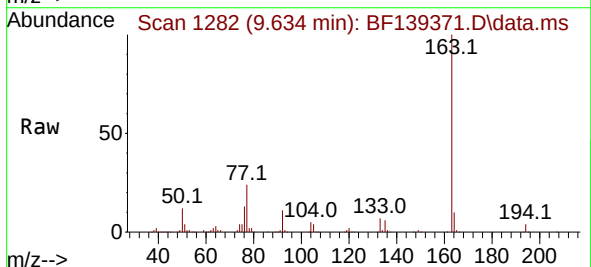
Manual Integrations  
APPROVED

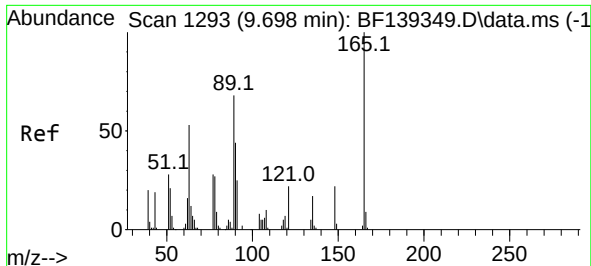
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#50  
Dimethylphthalate  
Concen: 60.198 ng  
RT: 9.634 min Scan# 1282  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Tgt Ion:163 Resp: 341106  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.1 4.7  
164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 58.106 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD

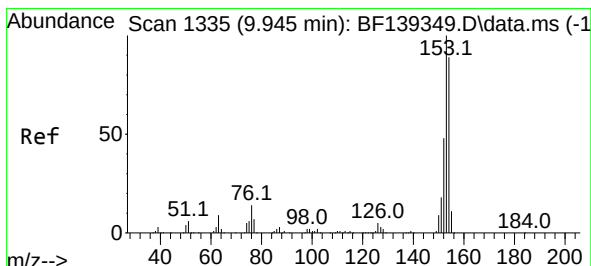
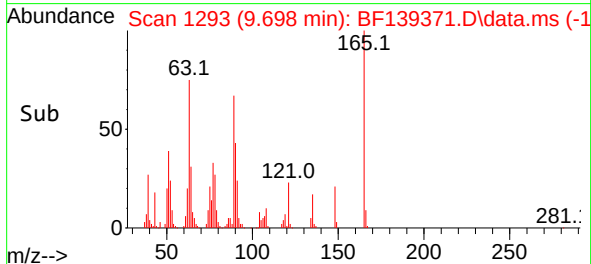
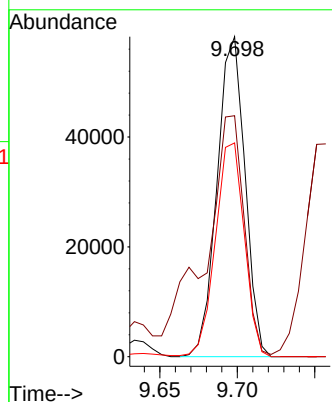
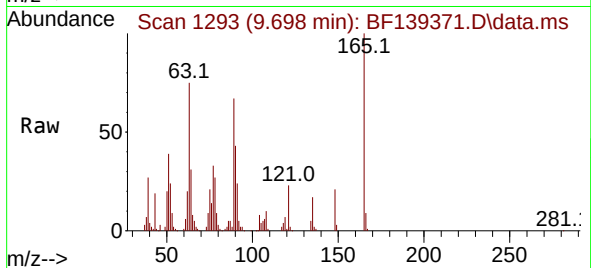
Tgt Ion:165 Resp: 72940

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 75.3  | 60.9  | 91.3  |
| 89  | 66.8  | 54.7  | 82.1  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#52

Acenaphthene

Concen: 58.703 ng

RT: 9.945 min Scan# 1335

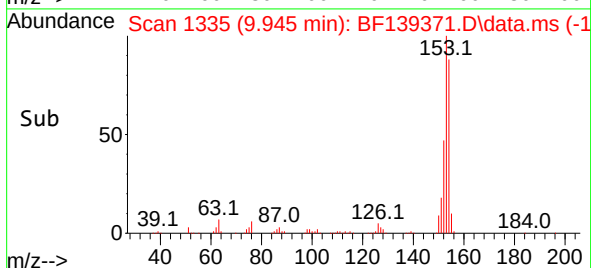
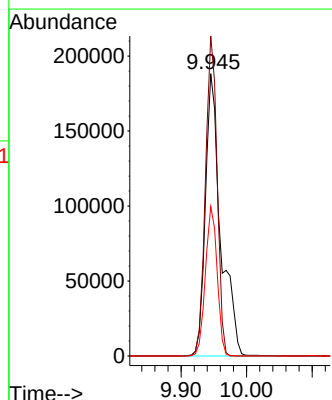
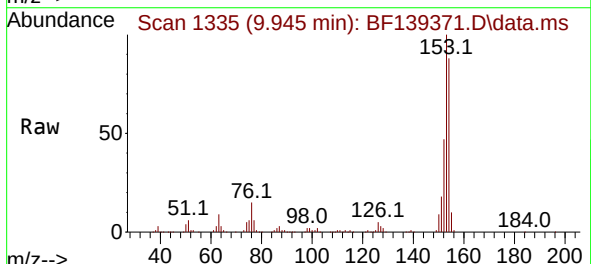
Delta R.T. -0.000 min

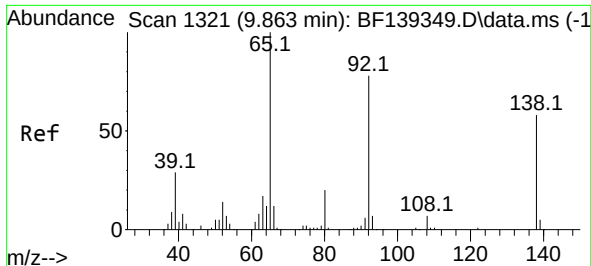
Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Tgt Ion:154 Resp: 306271

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 113.4 | 89.5  | 134.3 |
| 152 | 52.9  | 42.6  | 64.0  |





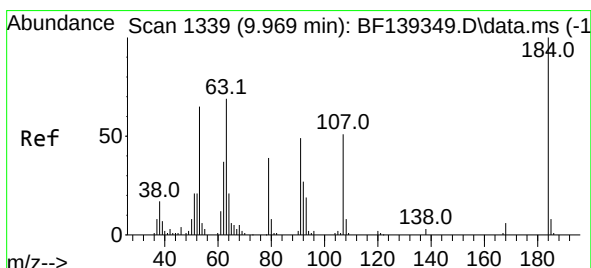
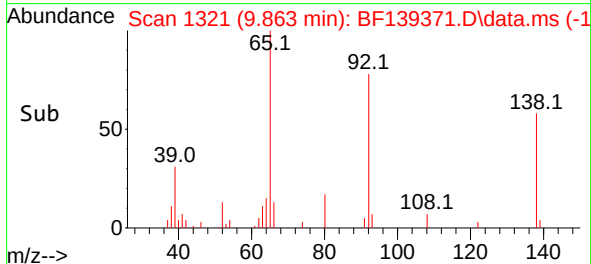
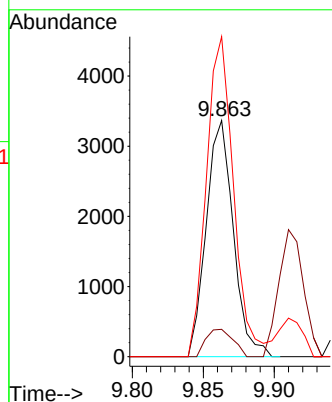
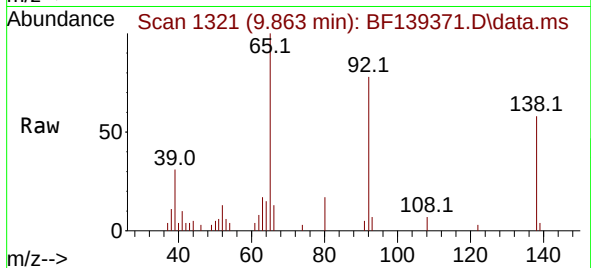
#53  
3-Nitroaniline  
Concen: 3.565 ng  
RT: 9.863 min Scan# 1321  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD

Tgt Ion:138 Resp: 4472  
Ion Ratio Lower Upper  
138 100  
108 11.6 9.8 14.8  
92 135.5 107.4 161.2

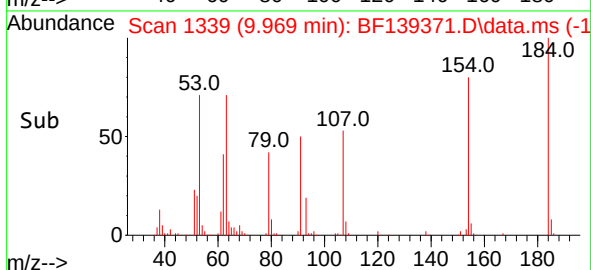
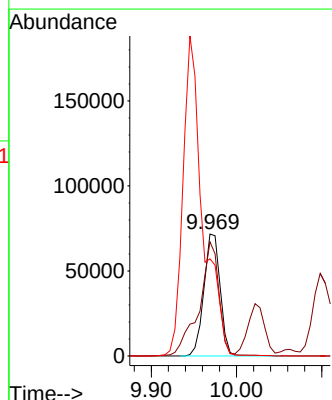
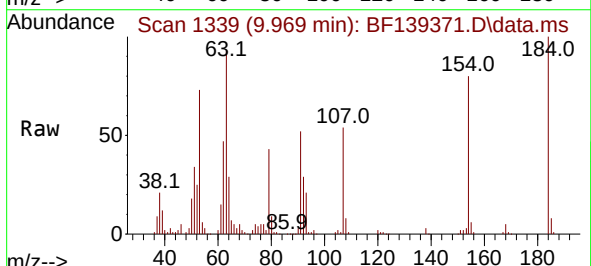
Manual Integrations  
APPROVED

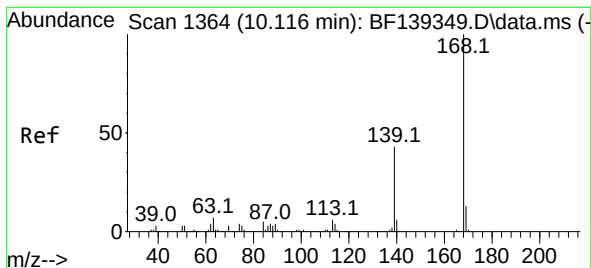
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#54  
2,4-Dinitrophenol  
Concen: 136.749 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

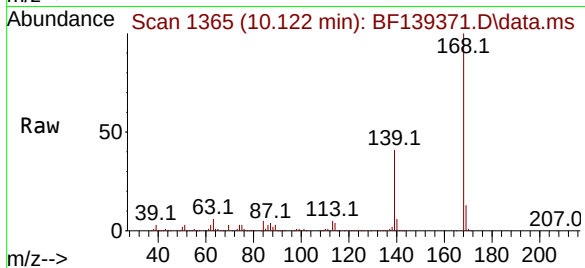
Tgt Ion:184 Resp: 95652  
Ion Ratio Lower Upper  
184 100  
63 93.5 69.3 103.9  
154 79.6 67.5 101.3





#55  
Dibenzenofuran  
Concen: 57.614 ng  
RT: 10.122 min Scan# 1365  
Delta R.T. 0.006 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

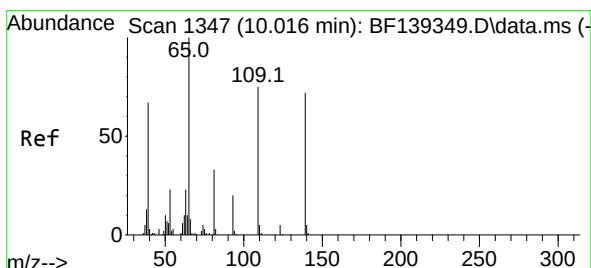
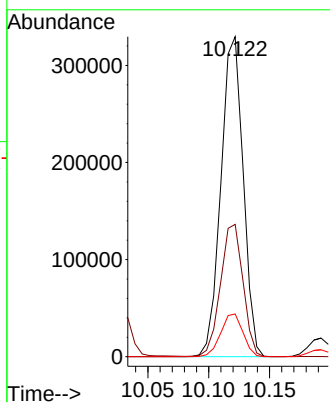
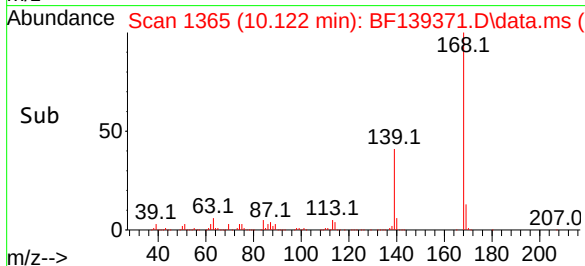
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



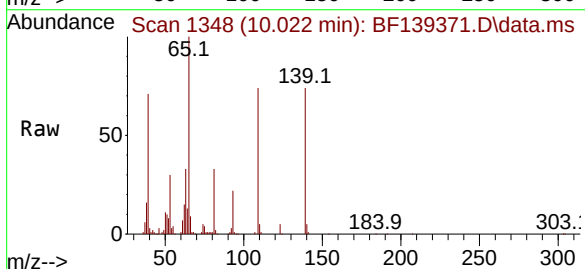
Tgt Ion:168 Resp: 41896  
Ion Ratio Lower Upper  
168 100  
139 41.3 34.1 51.1  
169 13.3 10.5 15.7

Manual Integrations  
APPROVED

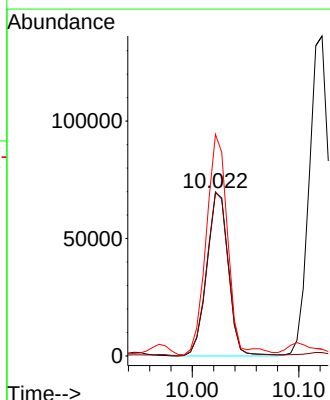
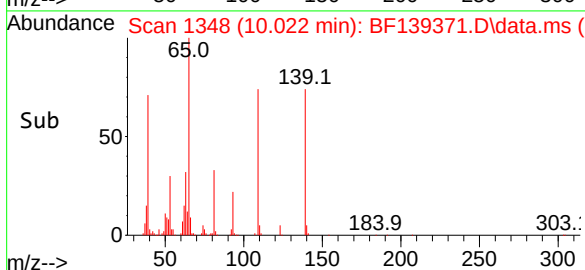
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

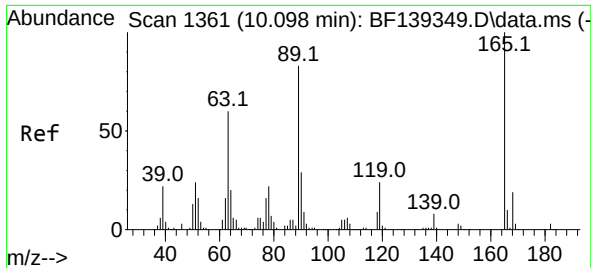


#56  
4-Nitrophenol  
Concen: 94.170 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.006 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



Tgt Ion:139 Resp: 97753  
Ion Ratio Lower Upper  
139 100  
109 100.6 84.1 124.1  
65 135.8 120.0 160.0





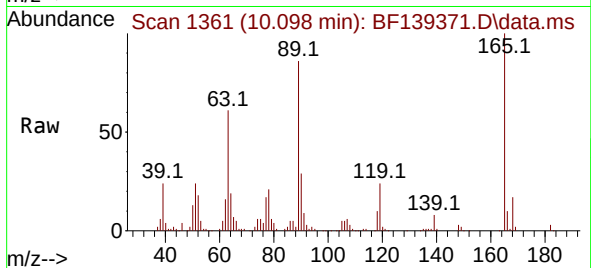
#57  
2,4-Dinitrotoluene  
Concen: 59.893 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD

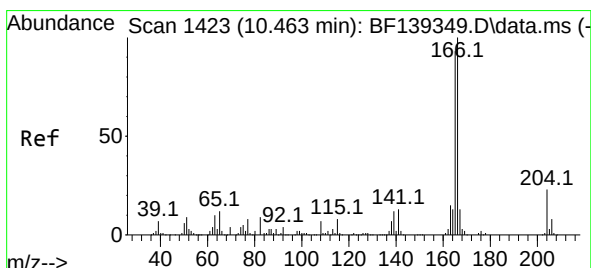
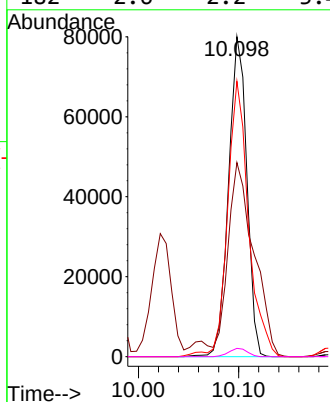
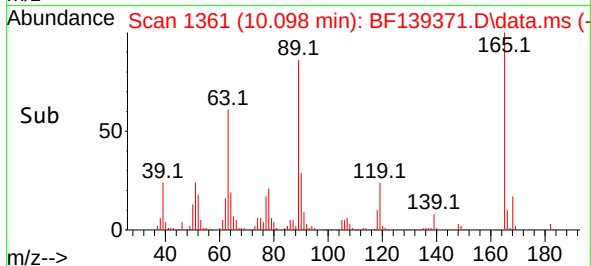


Tgt Ion:165 Resp: 101502  
Ion Ratio Lower Upper  
165 100  
63 60.7 47.8 71.6  
89 86.0 66.7 100.1  
182 2.6 2.2 3.4

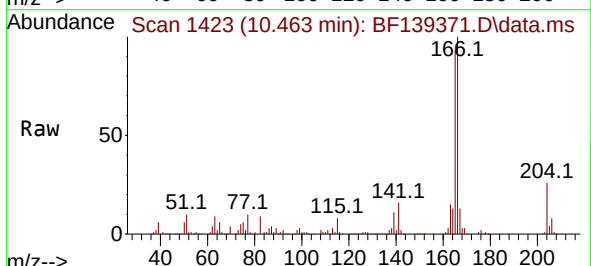
Manual Integrations

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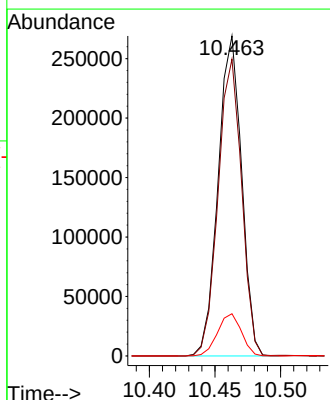
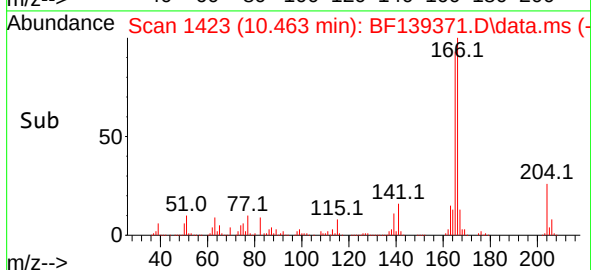
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

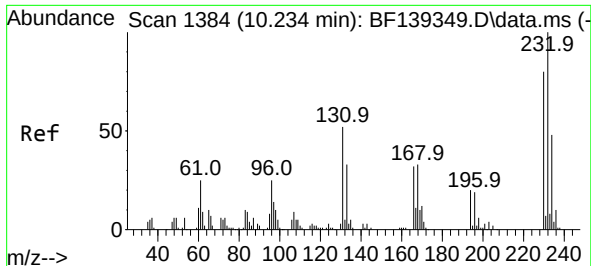


#58  
Fluorene  
Concen: 56.407 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



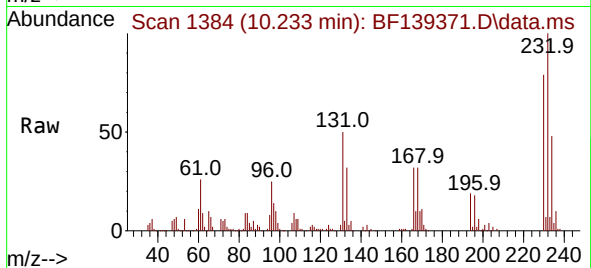
Tgt Ion:166 Resp: 334676  
Ion Ratio Lower Upper  
166 100  
165 92.8 74.5 111.7  
167 13.2 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 61.018 ng  
RT: 10.233 min Scan# 1384  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

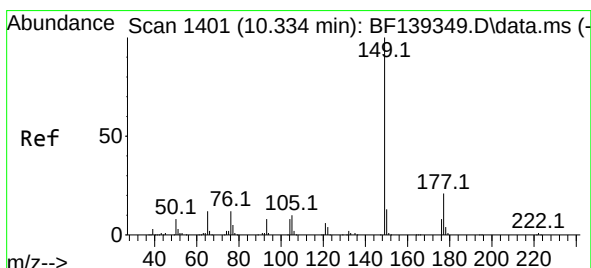
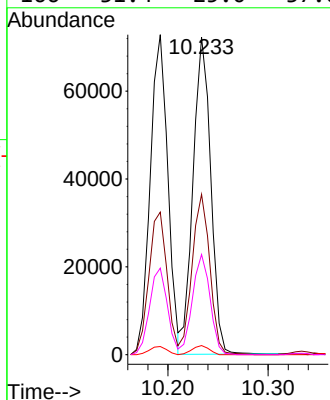
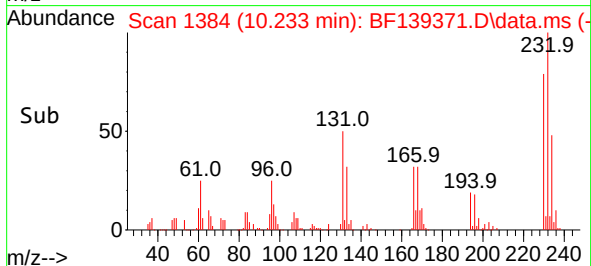
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



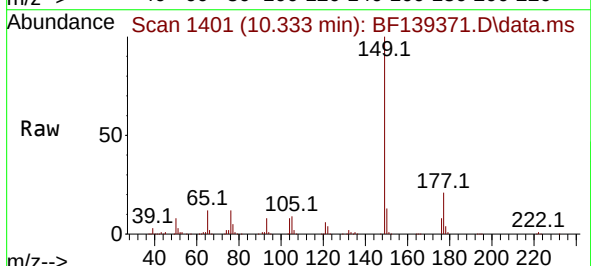
Tgt Ion:232 Resp: 8863  
Ion Ratio Lower Upper  
232 100  
131 50.7 40.7 61.1  
130 2.8 2.2 3.2  
166 31.4 25.0 37.6

Manual Integrations  
APPROVED

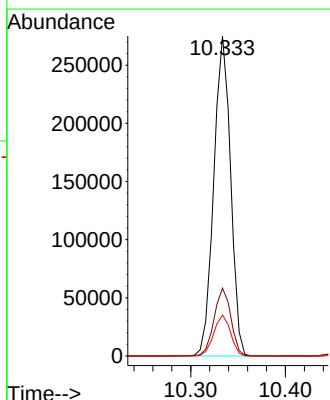
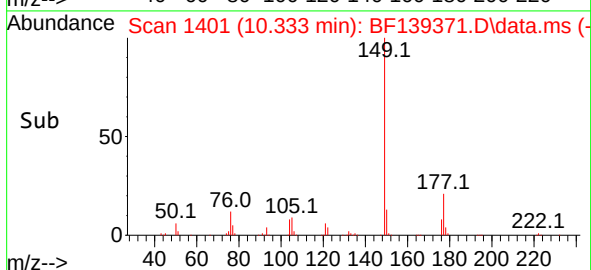
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



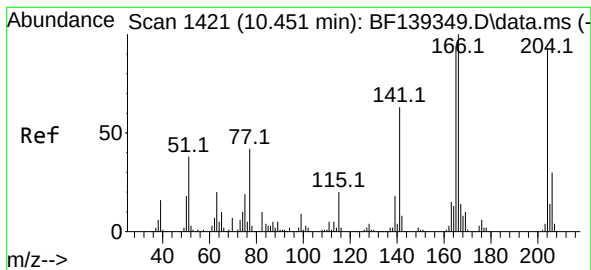
#60  
Diethylphthalate  
Concen: 57.985 ng  
RT: 10.333 min Scan# 1401  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



Tgt Ion:149 Resp: 339066  
Ion Ratio Lower Upper  
149 100  
177 21.2 16.6 24.8  
150 12.8 10.6 15.8

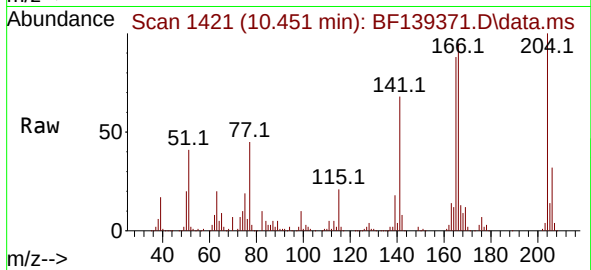






#61  
4-Chlorophenyl-phenylether  
Concen: 56.685 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

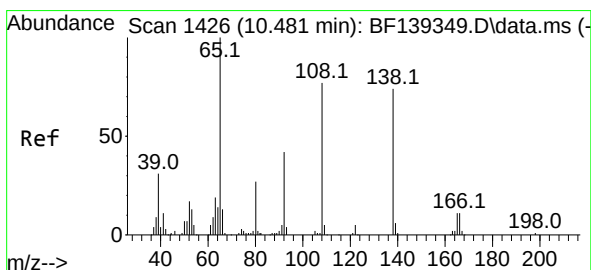
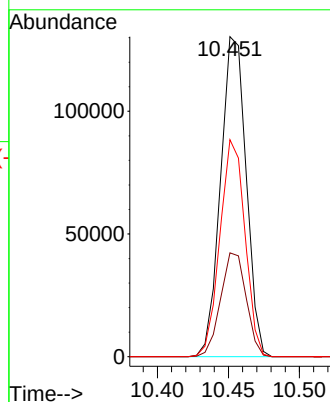
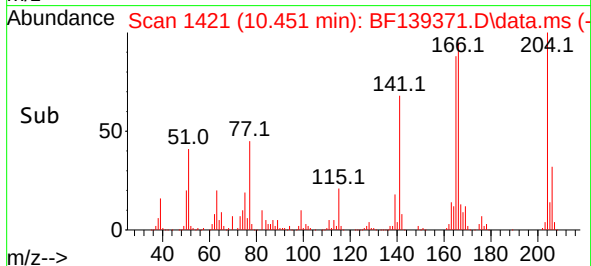
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



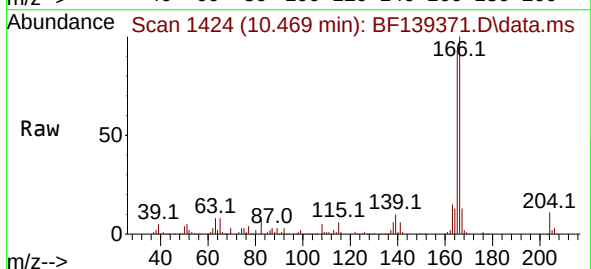
Tgt Ion:204 Resp: 163452  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.2 39.2  
141 67.8 53.9 80.9

Manual Integrations  
APPROVED

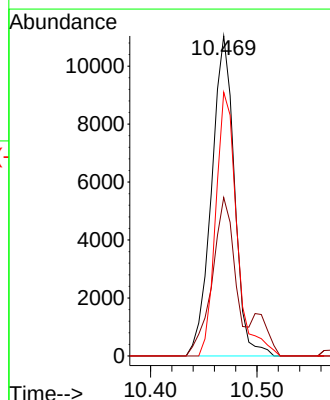
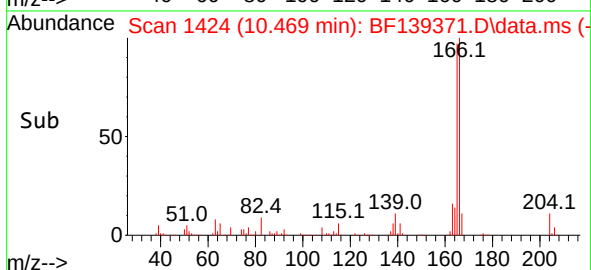
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

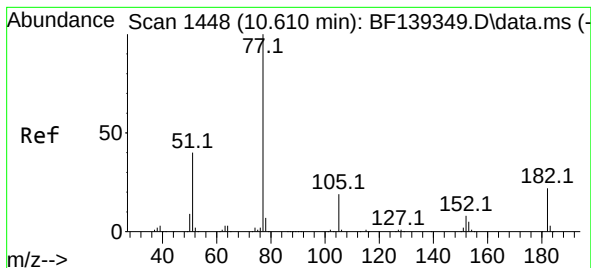


#62  
4-Nitroaniline  
Concen: 12.016 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.012 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



Tgt Ion:138 Resp: 16452  
Ion Ratio Lower Upper  
138 100  
92 49.5 37.0 77.0  
108 82.4 84.4 124.4#





#63  
Azobenzene  
Concen: 25.646 ng  
RT: 10.610 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

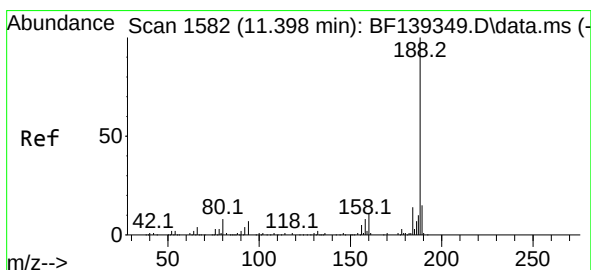
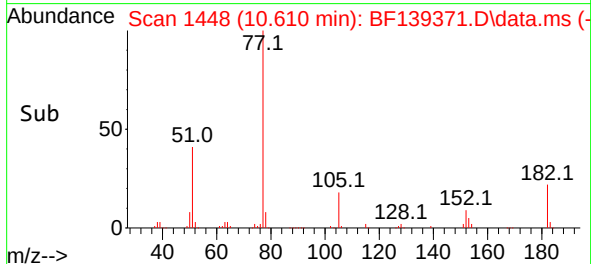
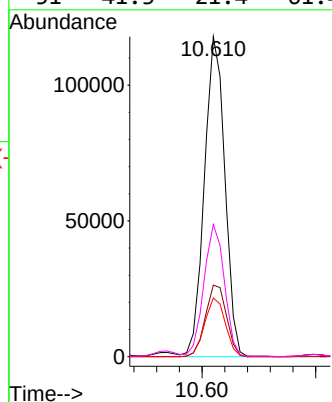
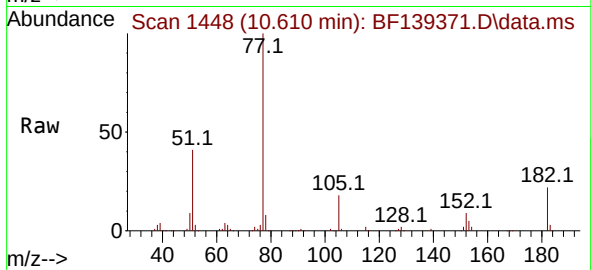
FM1MSD

Tgt Ion: 77 Resp: 147500  
Ion Ratio Lower Upper  
77 100  
182 22.4 1.8 41.8  
105 18.3 0.0 38.6  
51 41.3 21.4 61.4

Manual Integrations

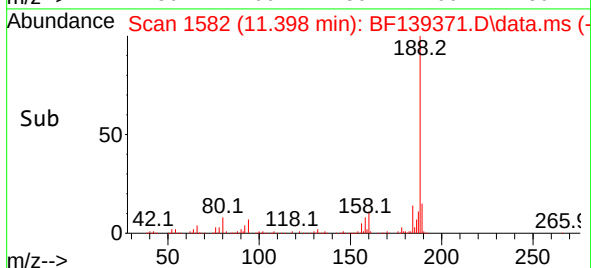
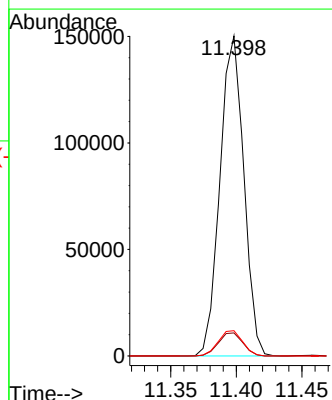
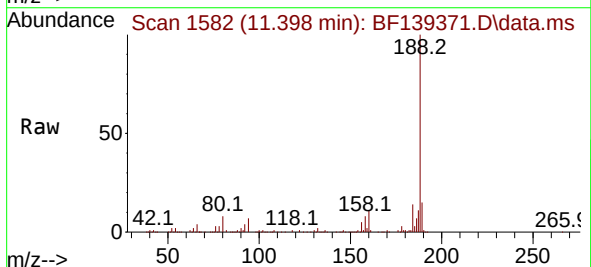
APPROVED

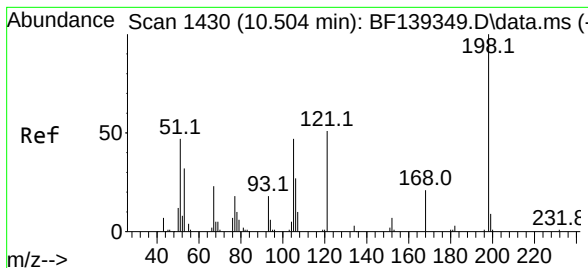
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Tgt Ion:188 Resp: 189813  
Ion Ratio Lower Upper  
188 100  
94 7.2 5.5 8.3  
80 7.9 6.6 9.8





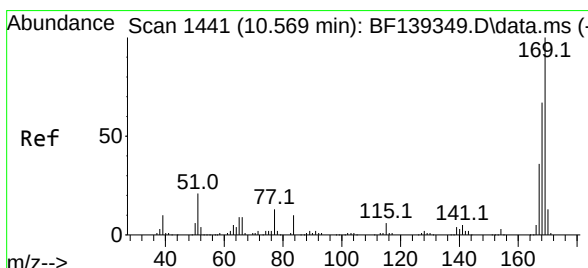
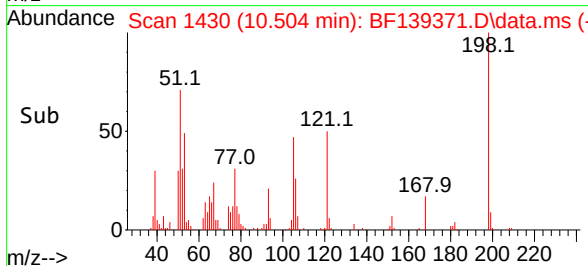
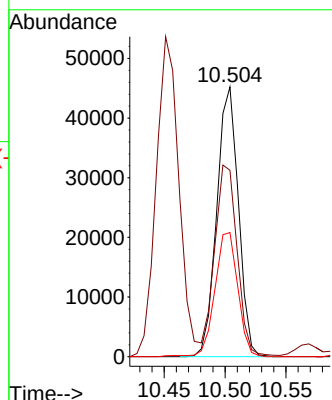
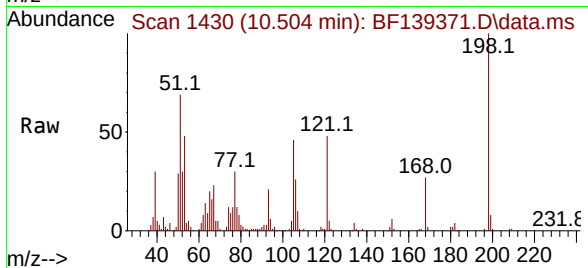
#65  
4,6-Dinitro-2-methylphenol  
Concen: 55.768 ng  
RT: 10.504 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD

Tgt Ion:198 Resp: 55869  
Ion Ratio Lower Upper  
198 100  
51 69.1 50.4 90.4  
105 46.0 28.3 68.3

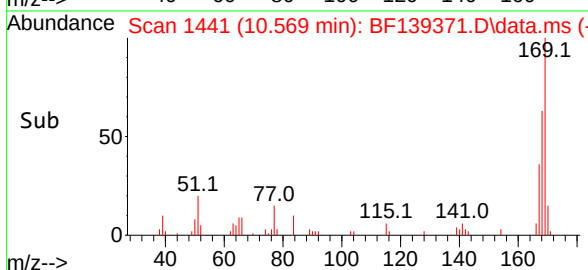
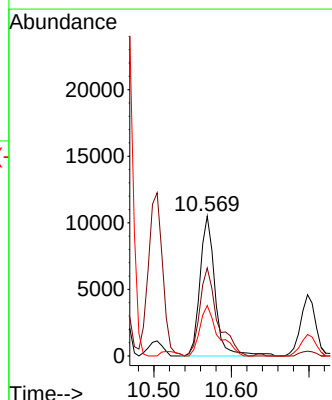
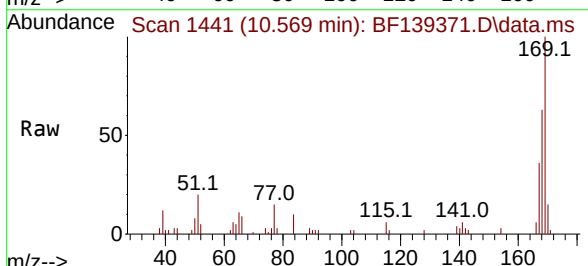
Manual Integrations  
APPROVED

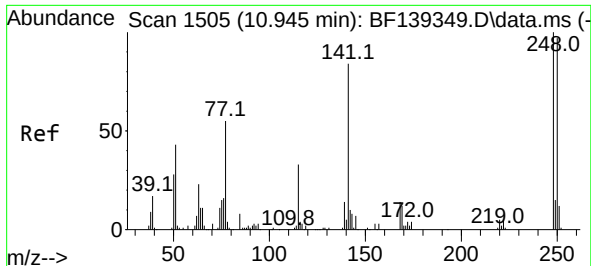
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#66  
n-Nitrosodiphenylamine  
Concen: 2.548 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

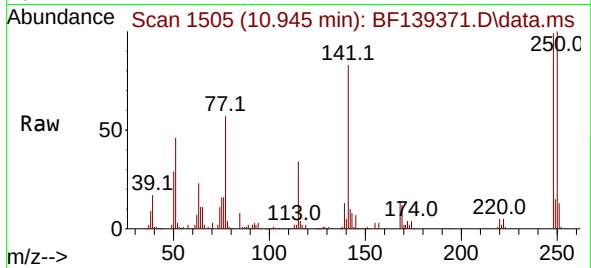
Tgt Ion:169 Resp: 14142  
Ion Ratio Lower Upper  
169 100  
168 63.0 53.6 80.4  
167 36.1 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 49.244 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

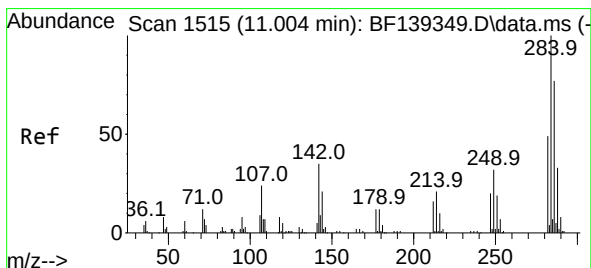
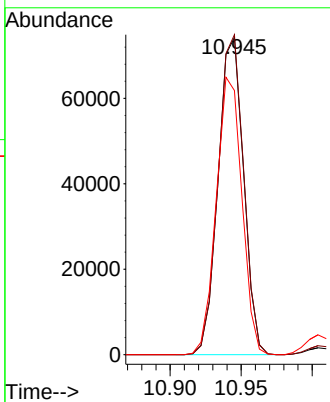
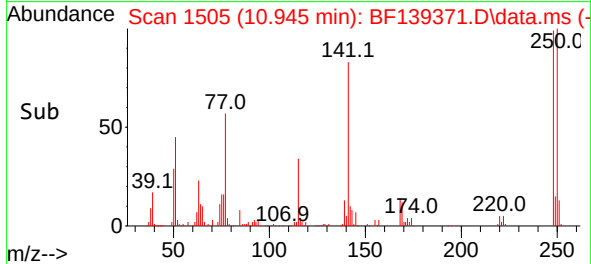
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



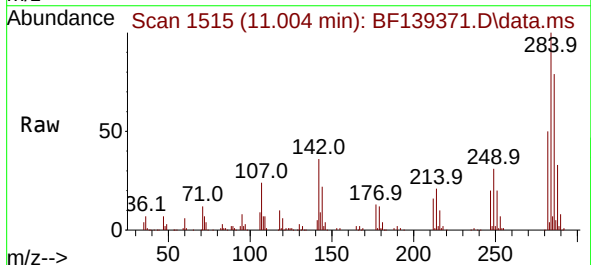
Tgt Ion:248 Resp: 92628  
Ion Ratio Lower Upper  
248 100  
250 100.8 77.6 116.4  
141 83.2 66.9 100.3

Manual Integrations  
APPROVED

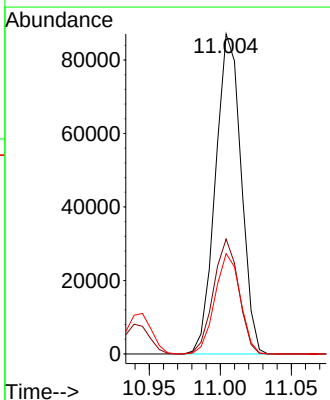
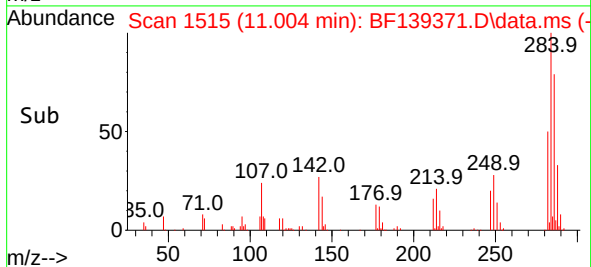
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

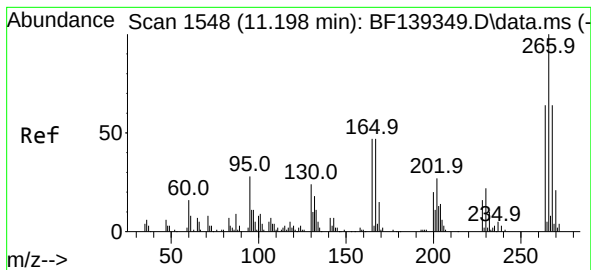


#68  
Hexachlorobenzene  
Concen: 49.484 ng  
RT: 11.004 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



Tgt Ion:284 Resp: 109241  
Ion Ratio Lower Upper  
284 100  
142 35.9 28.0 42.0  
249 31.4 25.3 37.9





#70

Pentachlorophenol

Concen: 103.123 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

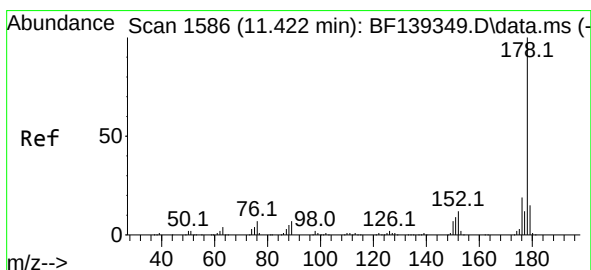
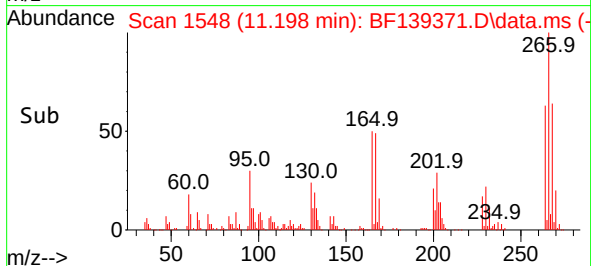
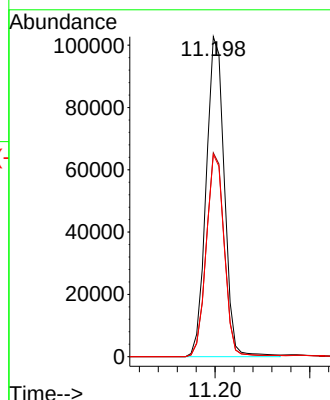
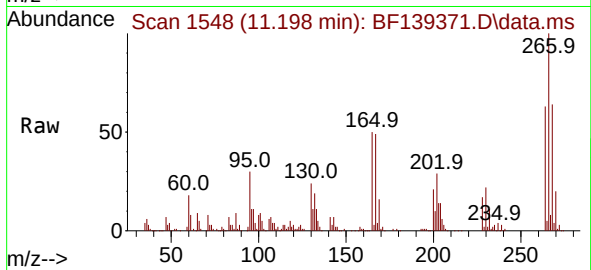
FM1MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 13660 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 63.7  | 51.1  | 76.7  |
| 264       | 63.2  | 51.4  | 77.0  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#71

Phenanthrene

Concen: 48.666 ng

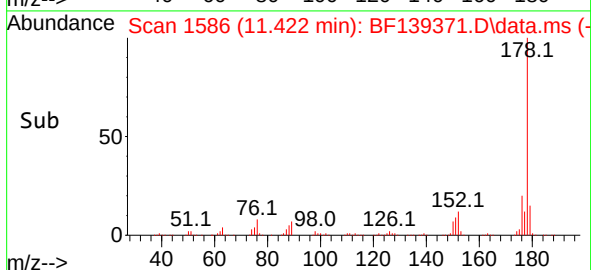
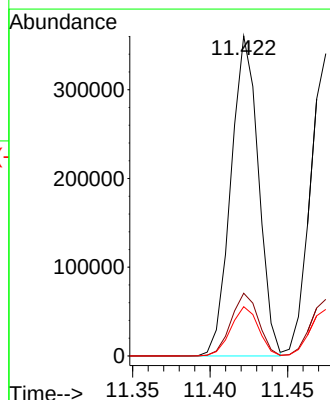
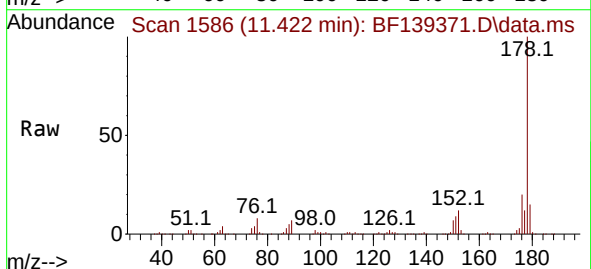
RT: 11.422 min Scan# 1586

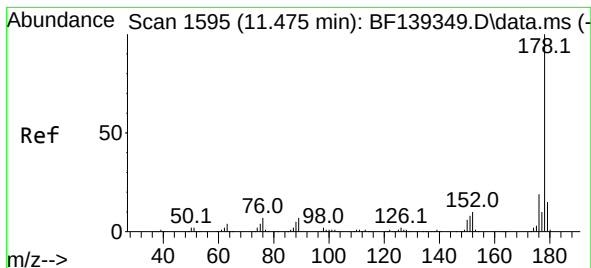
Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 445668 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.6  | 15.2  | 22.8   |
| 179       | 15.4  | 12.2  | 18.4   |





#72

Anthracene

Concen: 46.863 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.000 min

Lab File: BF139371.D

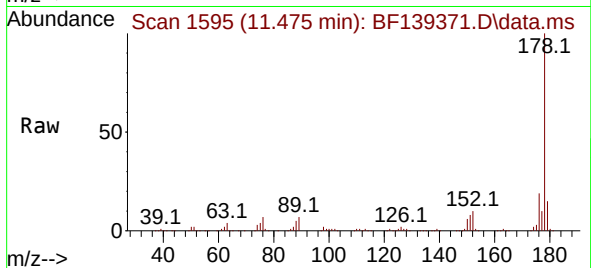
Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD



Tgt Ion:178 Resp: 41959

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

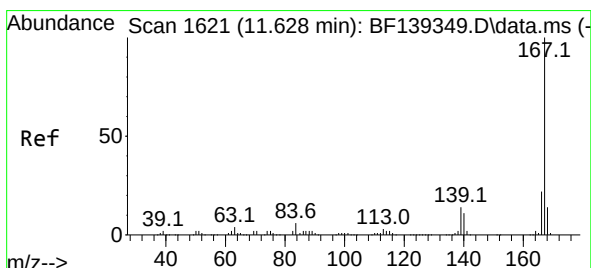
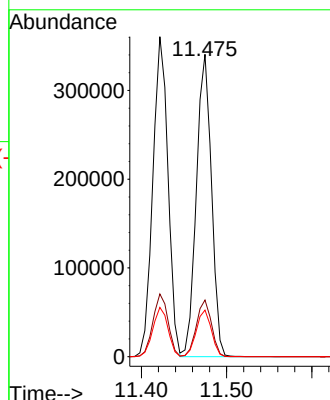
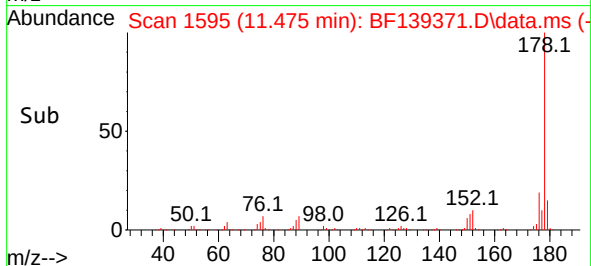
179 15.4 12.0 18.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#73

Carbazole

Concen: 2.246 ng

RT: 11.622 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

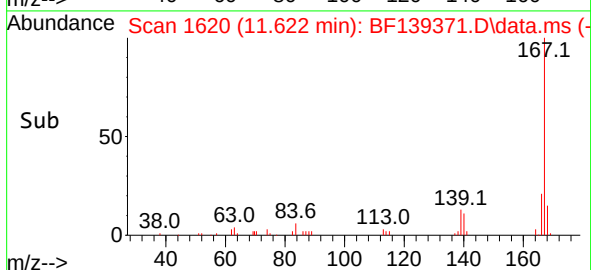
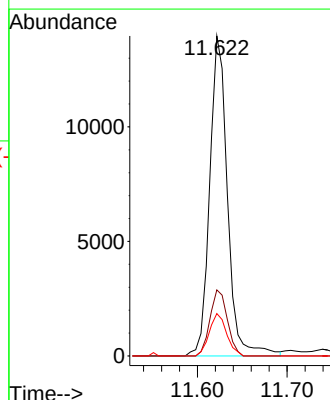
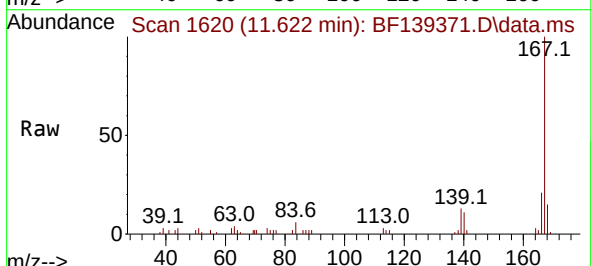
Tgt Ion:167 Resp: 19246

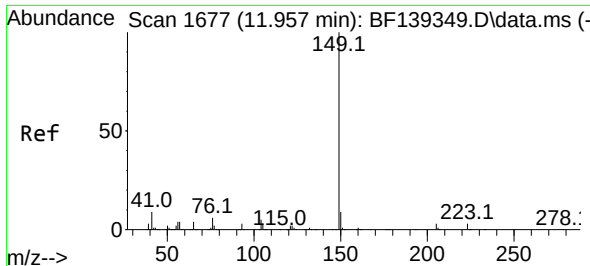
Ion Ratio Lower Upper

167 100

166 20.6 17.5 26.3

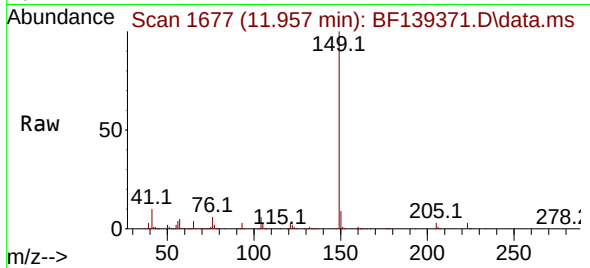
139 13.2 10.9 16.3





#74  
Di-n-butylphthalate  
Concen: 49.820 ng  
RT: 11.957 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

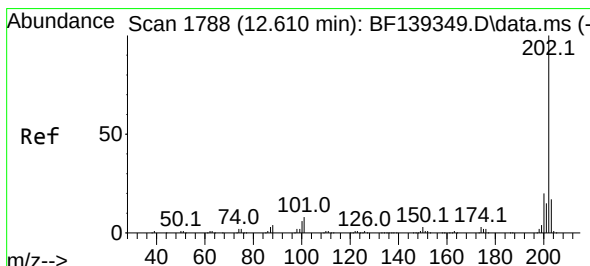
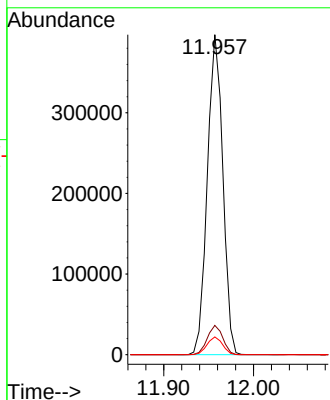
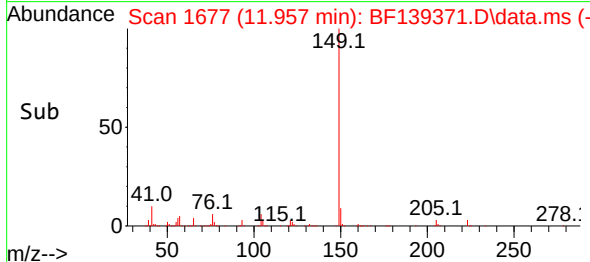
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



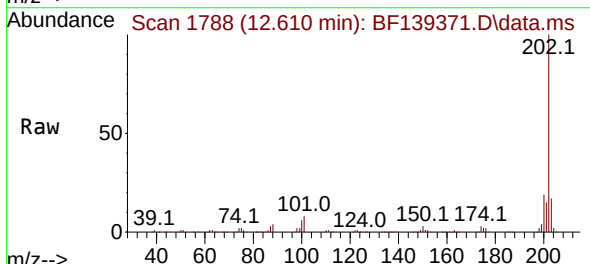
Tgt Ion:149 Resp: 475592  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.3 10.9  
104 5.5 4.3 6.5

Manual Integrations  
APPROVED

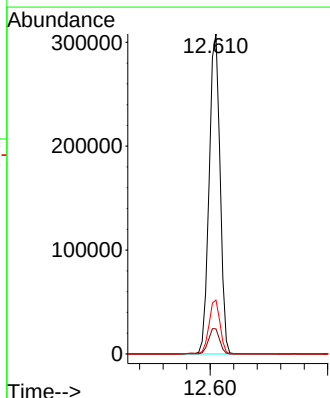
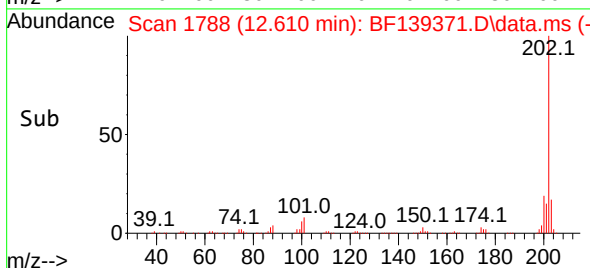
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

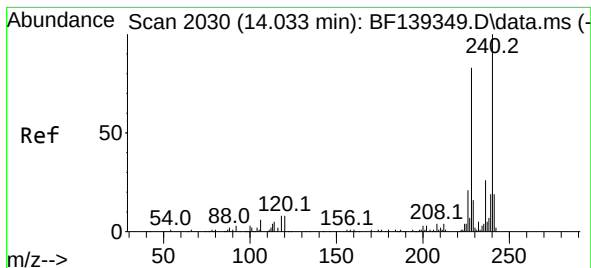


#75  
Fluoranthene  
Concen: 40.502 ng  
RT: 12.610 min Scan# 1788  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



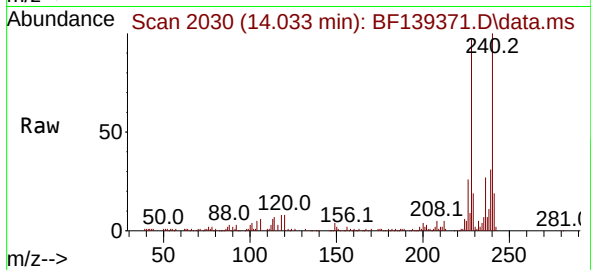
Tgt Ion:202 Resp: 396092  
Ion Ratio Lower Upper  
202 100  
101 7.8 0.0 27.7  
203 16.9 0.0 37.4





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

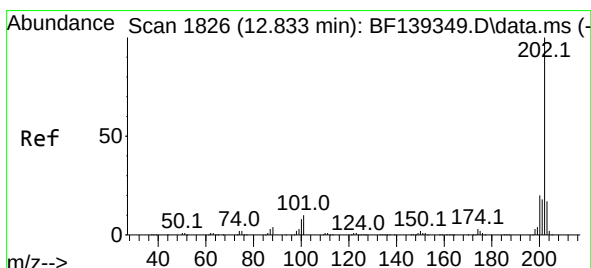
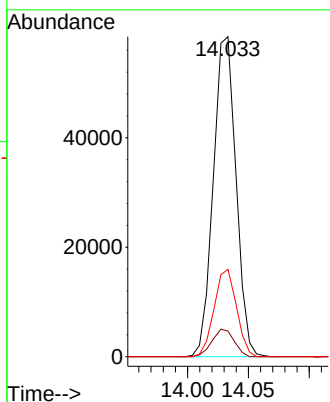
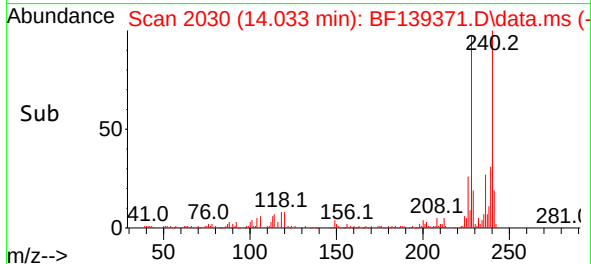
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



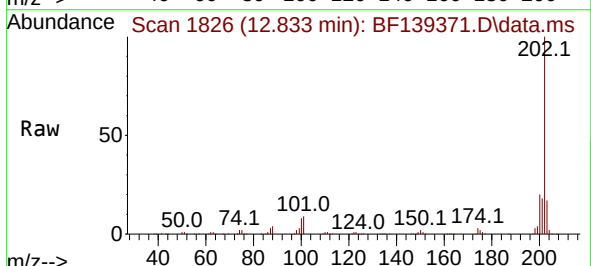
Tgt Ion:240 Resp: 76060  
Ion Ratio Lower Upper  
240 100  
120 8.0 6.2 9.2  
236 27.3 20.9 31.3

Manual Integrations  
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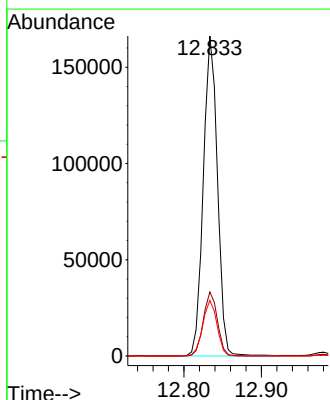
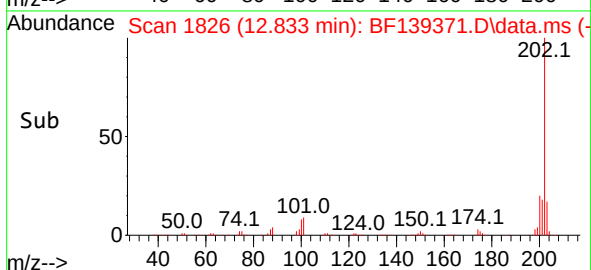
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



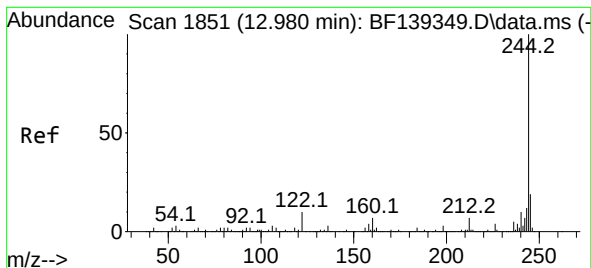
#78  
Pyrene  
Concen: 32.255 ng  
RT: 12.833 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



Tgt Ion:202 Resp: 210664  
Ion Ratio Lower Upper  
202 100  
200 20.0 16.2 24.2  
203 17.4 13.9 20.9







#79

Terphenyl-d14

Concen: 130.349 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

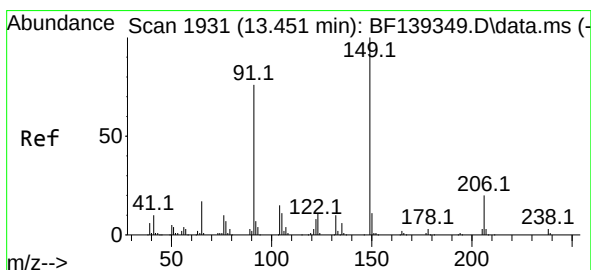
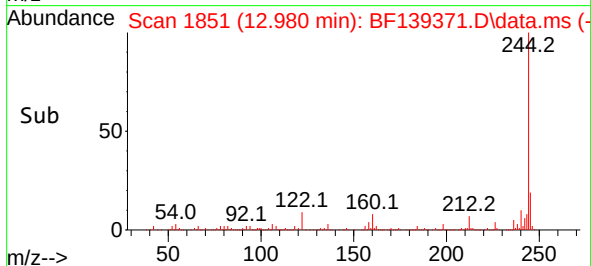
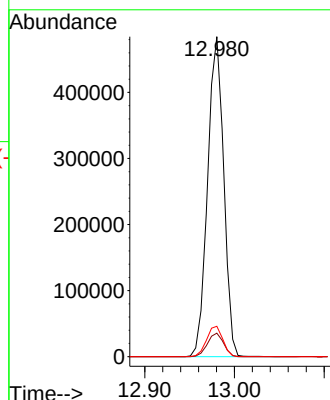
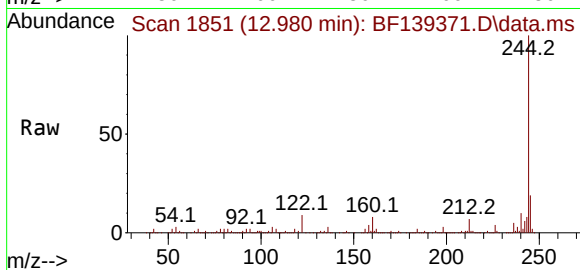
FM1MSD

|             |              |
|-------------|--------------|
| Tgt Ion:244 | Resp: 604069 |
| Ion Ratio   | Lower Upper  |
| 244         | 100          |
| 212         | 7.3 6.0 9.0  |
| 122         | 9.5 7.6 11.4 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#80

Butylbenzylphthalate

Concen: 29.128 ng

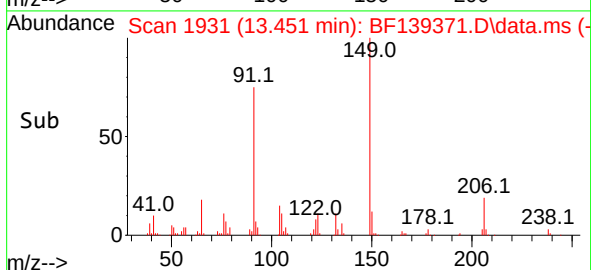
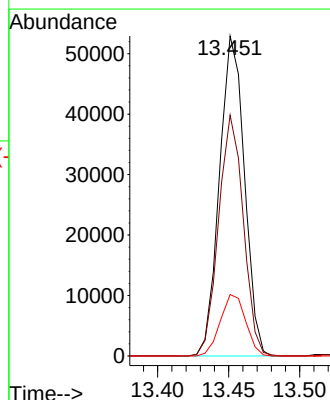
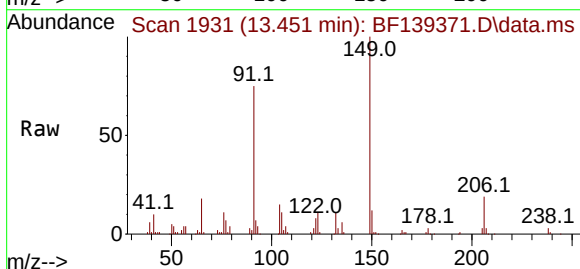
RT: 13.451 min Scan# 1931

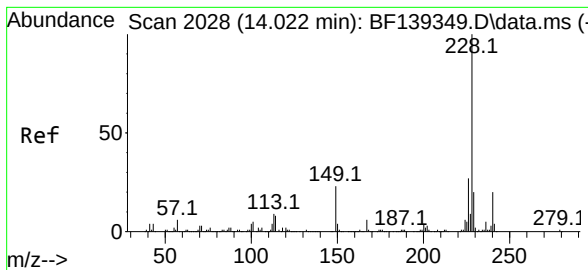
Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

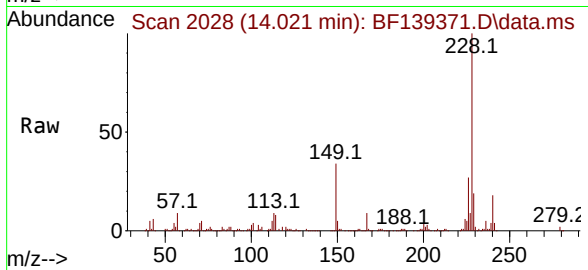
|             |                |
|-------------|----------------|
| Tgt Ion:149 | Resp: 64755    |
| Ion Ratio   | Lower Upper    |
| 149         | 100            |
| 91          | 75.3 60.9 91.3 |
| 206         | 19.2 15.8 23.8 |





#81  
Benzo(a)anthracene  
Concen: 49.415 ng  
RT: 14.021 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

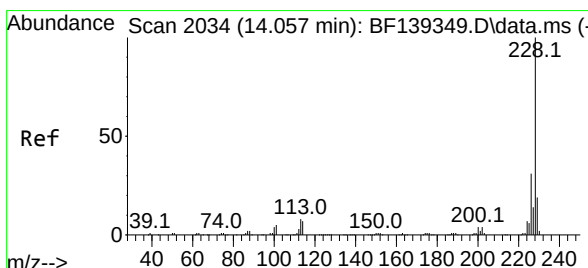
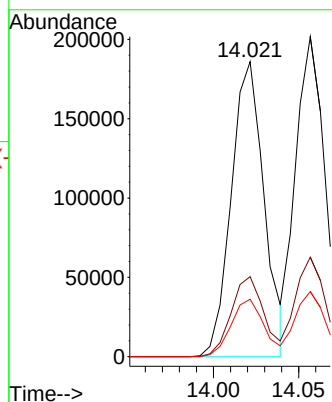
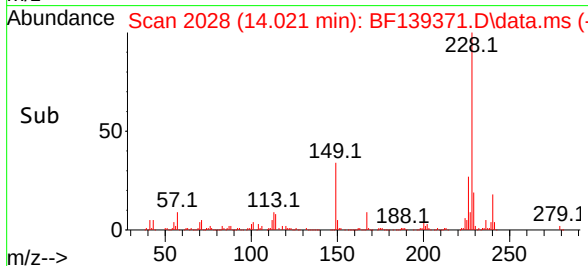
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



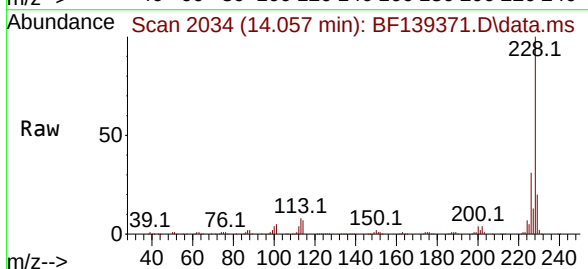
Tgt Ion:228 Resp: 24898  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.6 32.4  
229 19.5 15.7 23.5

Manual Integrations  
APPROVED

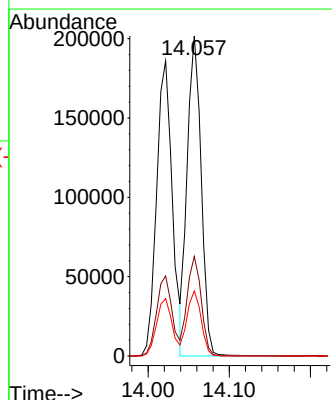
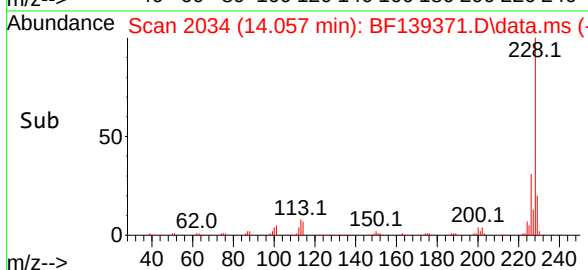
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

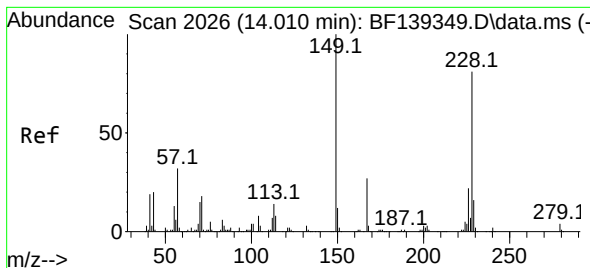


#83  
Chrysene  
Concen: 52.226 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



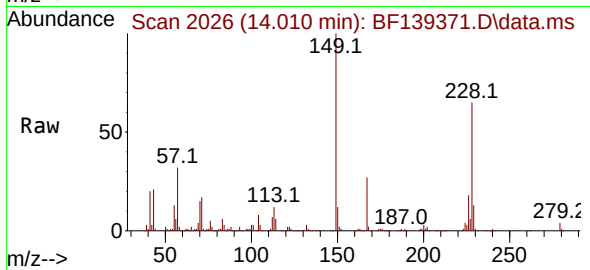
Tgt Ion:228 Resp: 242095  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.1 36.1  
229 20.4 15.4 23.0





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 63.113 ng  
RT: 14.010 min Scan# 2026  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

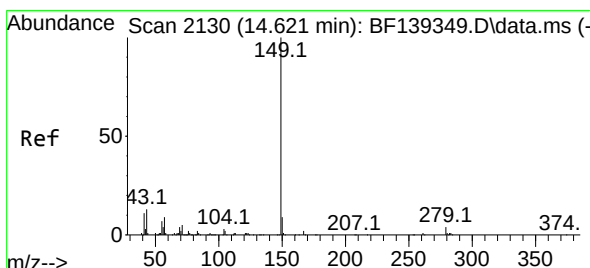
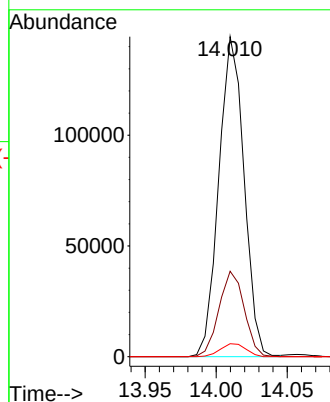
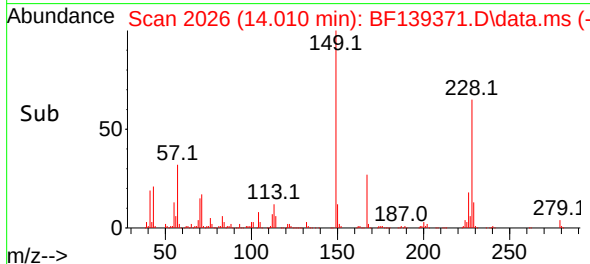
Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



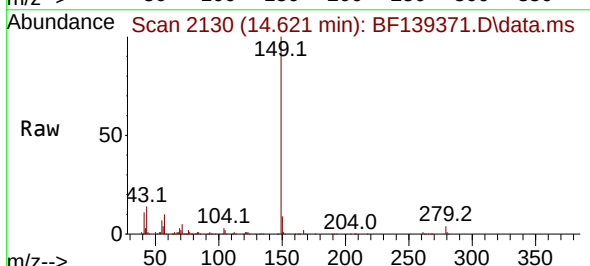
Tgt Ion:149 Resp: 178490  
Ion Ratio Lower Upper  
149 100  
167 26.7 21.6 32.4  
279 4.0 3.3 4.9

Manual Integrations  
APPROVED

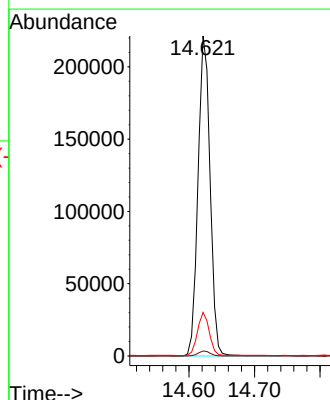
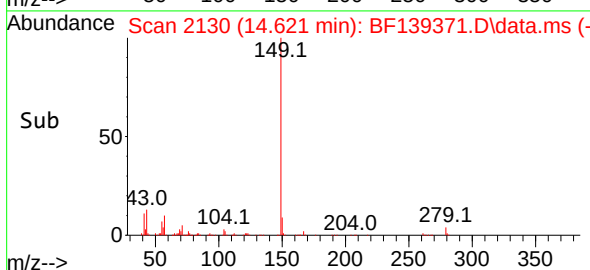
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

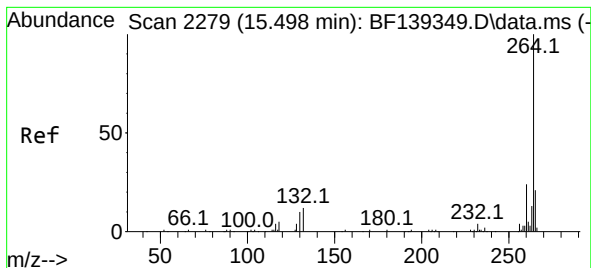


#85  
Di-n-octyl phthalate  
Concen: 68.069 ng  
RT: 14.621 min Scan# 2130  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39



Tgt Ion:149 Resp: 283506  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 13.0 10.6 16.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

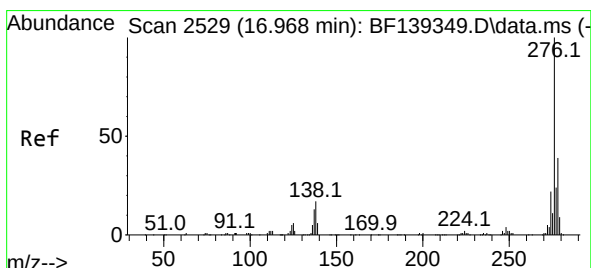
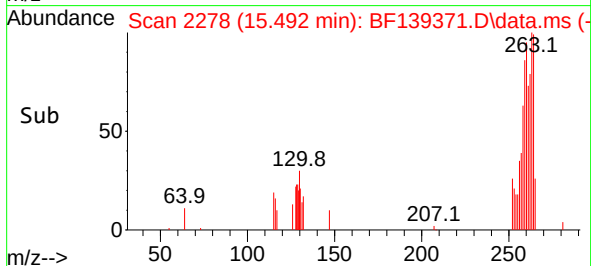
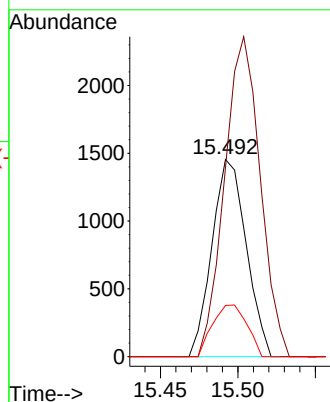
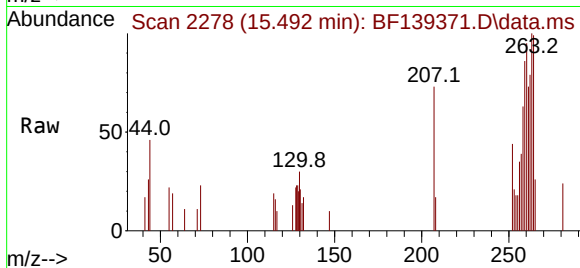
FM1MSD

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 2234      |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 95.7  | 19.5 29.3 |
| 265         | 25.9  | 16.6 25.0 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 714.092 ng

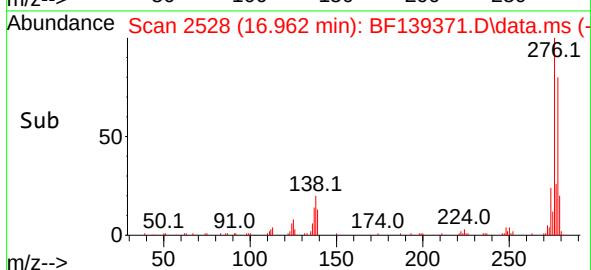
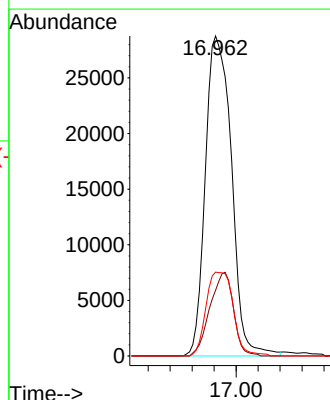
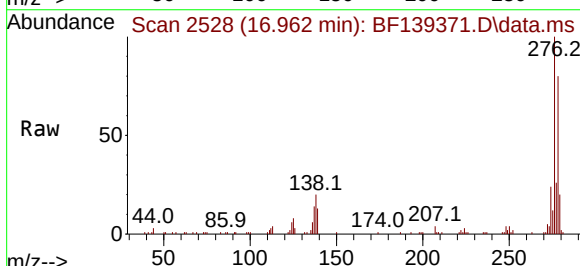
RT: 16.962 min Scan# 2528

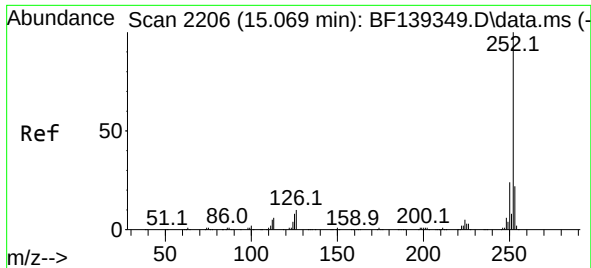
Delta R.T. -0.006 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 94860     |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 138         | 23.5  | 15.4 23.2 |
| 277         | 27.2  | 20.4 30.6 |





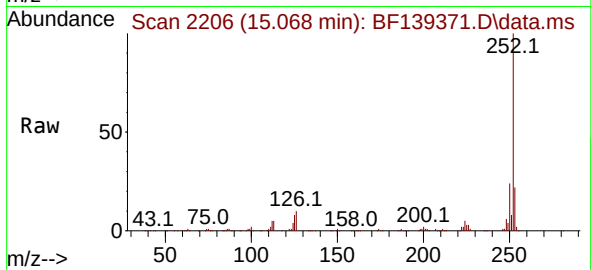
#88  
Benzo(b)fluoranthene  
Concen: 1822.799 ng  
RT: 15.068 min Scan# 2206  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD

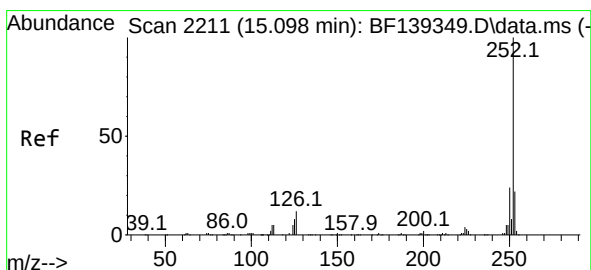
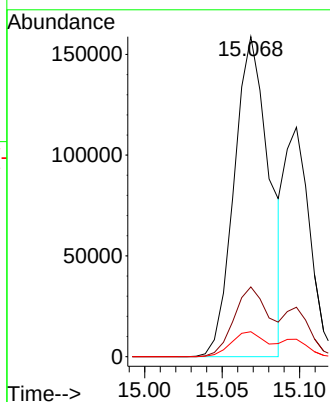
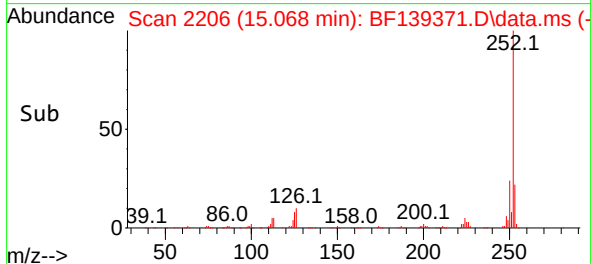


Tgt Ion:252 Resp: 25114  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.6 26.4  
125 7.8 6.2 9.2

Manual Integrations

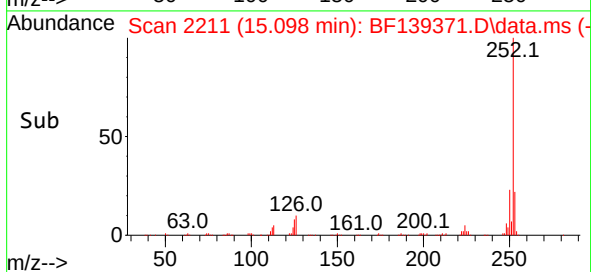
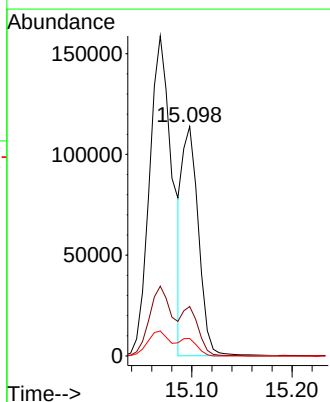
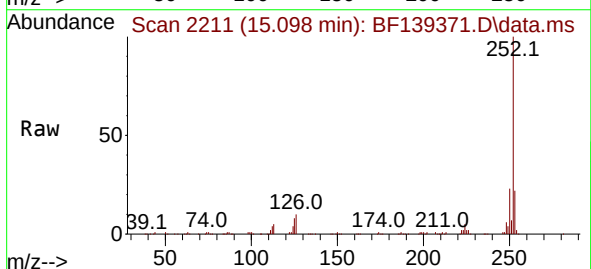
APPROVED

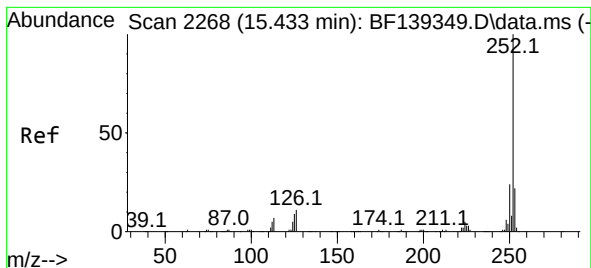
Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#89  
Benzo(k)fluoranthene  
Concen: 1006.119 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. -0.000 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Tgt Ion:252 Resp: 127813  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.3 25.9  
125 7.6 5.9 8.9





#90

Benzo(a)pyrene

Concen: 619.954 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.000 min

Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Instrument :

BNA\_F

ClientSampleId :

FM1MSD

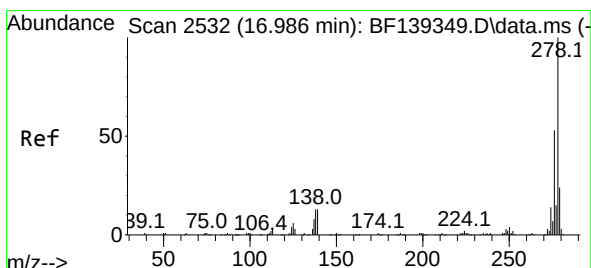
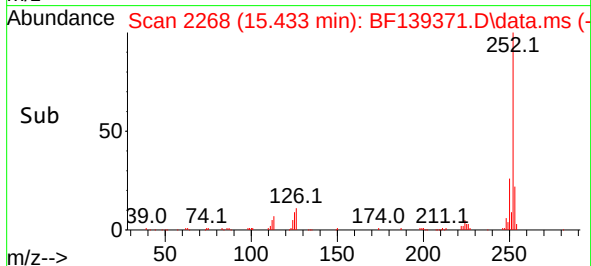
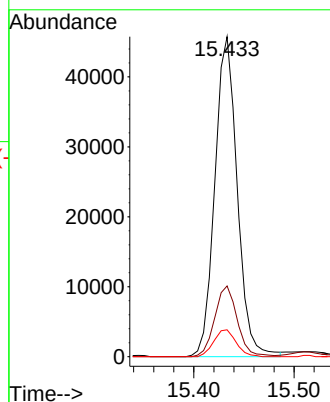
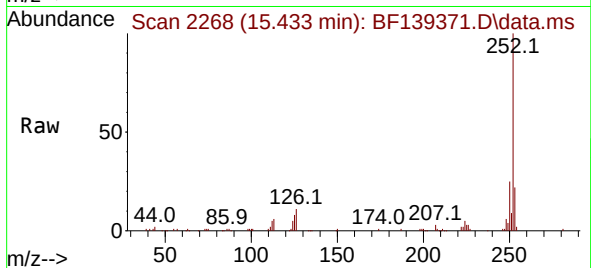
Tgt Ion:252 Resp: 70840

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.1  | 17.3  | 25.9  |
| 125 | 8.4   | 6.8   | 10.2  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#91

Dibenzo(a,h)anthracene

Concen: 1424.235 ng

RT: 16.986 min Scan# 2532

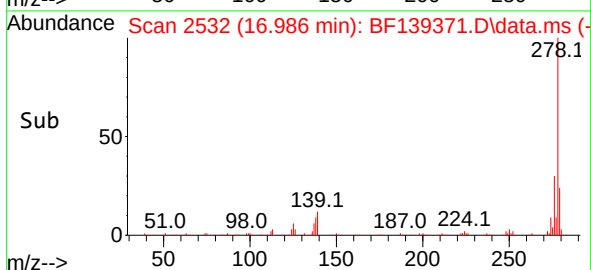
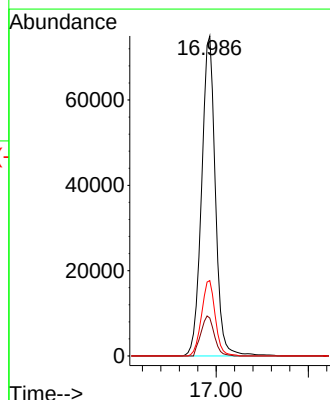
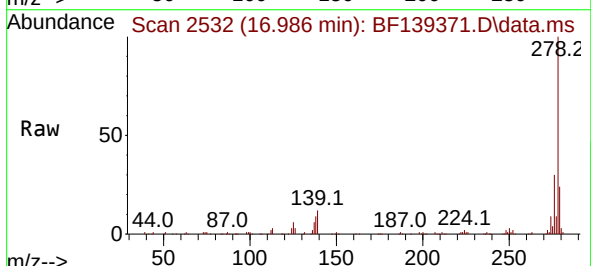
Delta R.T. -0.000 min

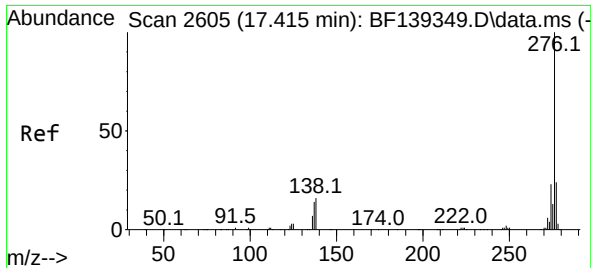
Lab File: BF139371.D

Acq: 14 Sep 2024 16:39

Tgt Ion:278 Resp: 156337

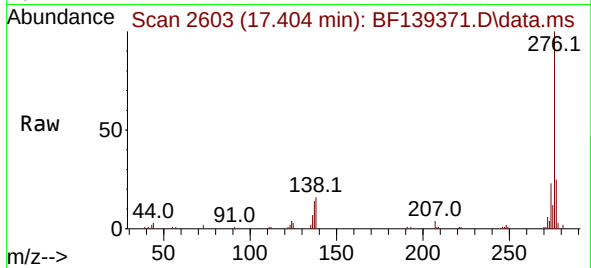
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 11.9  | 10.2  | 15.2  |
| 279 | 23.6  | 18.9  | 28.3  |





#92  
Benzo(g,h,i)perylene  
Concen: 523.068 ng  
RT: 17.404 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF139371.D  
Acq: 14 Sep 2024 16:39

Instrument :  
BNA\_F  
ClientSampleId :  
FM1MSD



Tgt Ion:276 Resp: 56850  
Ion Ratio Lower Upper  
276 100  
277 25.2 18.9 28.3  
138 16.5 13.0 19.6

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

