

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072324\  
 Data File : BF138629.D  
 Acq On : 23 Jul 2024 20:38  
 Operator : RC/JU  
 Sample : P3314-01MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

VNJ206MSD

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024

Supervised By :mohammad ahmed 07/30/2024

Quant Time: Jul 24 01:16:49 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 09 16:58:40 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.851  | 152  | 90294    | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8            | 8.140  | 136  | 354478   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.892  | 164  | 172809   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.375 | 188  | 234304   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.016 | 240  | 147778   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.474 | 264  | 121596   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 453173   | 79.486 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 608263   | 80.200 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 389552   | 53.956 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.681 | 330  | 115117   | 71.277 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.210  | 172  | 639151   | 57.806 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.951 | 244  | 438601   | 48.352 | ng    | -0.02    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.710  | 88   | 98922    | 39.176 | ng    | 97       |
| 3) Pyridine                   | 3.457  | 79   | 257436   | 41.342 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.422  | 42   | 188497   | 46.501 | ng    | 94       |
| 6) Aniline                    | 6.516  | 93   | 275350   | 38.761 | ng    | # 34     |
| 8) 2-Chlorophenol             | 6.645  | 128  | 294185   | 48.799 | ng    | 99       |
| 9) Benzaldehyde               | 6.404  | 77   | 24104    | 5.938  | ng    | 100      |
| 10) Phenol                    | 6.510  | 94   | 387728   | 48.163 | ng    | 88       |
| 11) bis(2-Chloroethyl)ether   | 6.593  | 93   | 287962   | 47.509 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.793  | 146  | 296692   | 43.784 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.875  | 146  | 304521   | 44.254 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.022  | 146  | 288769   | 45.057 | ng    | 97       |
| 15) Benzyl Alcohol            | 6.998  | 79   | 280824   | 49.338 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.128  | 45   | 511687   | 42.929 | ng    | 80       |
| 17) 2-Methylphenol            | 7.116  | 107  | 232501   | 47.058 | ng    | # 91     |
| 18) Hexachloroethane          | 7.363  | 117  | 114854   | 45.402 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.269  | 70   | 224543   | 47.914 | ng    | 93       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 290700   | 46.724 | ng    | 90       |
| 22) Acetophenone              | 7.269  | 105  | 374259   | 43.472 | ng    | 99       |
| 24) Nitrobenzene              | 7.440  | 77   | 335417   | 45.716 | ng    | 96       |
| 25) Isophorone                | 7.681  | 82   | 596663   | 48.123 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 156389   | 49.732 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.792  | 122  | 197333   | 51.057 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.887  | 93   | 353695   | 47.732 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.998  | 162  | 228905   | 45.608 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.075  | 180  | 251380   | 42.995 | ng    | 98       |
| 31) Naphthalene               | 8.157  | 128  | 839958   | 45.561 | ng    | 100      |
| 32) Benzoic acid              | 7.928  | 122  | 134768   | 36.560 | ng    | 93       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 149803   | 23.159 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.269  | 225  | 147328   | 40.920 | ng    | 99       |
| 35) Caprolactam               | 8.587  | 113  | 68478m   | 42.282 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 257386   | 45.808 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.851  | 142  | 520752   | 43.894 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.951  | 142  | 483195   | 41.732 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.016  | 216  | 216156   | 44.880 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.998  | 237  | 109471   | 70.026 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.128  | 196  | 147046   | 47.863 | ng    | 99       |

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Manual Integrations  
 APPROVED

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 Supervised By :mohammad ahmed 07/30/2024

Quant Time: Jul 24 01:16:49 2024  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.181  | 196  | 153125   | 45.316 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.316  | 154  | 603790   | 46.104 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.339  | 162  | 471374   | 47.644 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.439  | 65   | 174497   | 50.897 | ng    | 97       |
| 49) Acenaphthylene            | 9.757  | 152  | 719448   | 51.218 | ng    | 99       |
| 50) Dimethylphthalate         | 9.616  | 163  | 566120   | 50.663 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.681  | 165  | 120595   | 46.873 | ng    | 90       |
| 52) Acenaphthene              | 9.928  | 154  | 452347   | 48.446 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.845  | 138  | 92979    | 35.260 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 86102    | 63.386 | ng    | 95       |
| 55) Dibenzofuran              | 10.098 | 168  | 634449   | 46.847 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.022 | 139  | 140979   | 72.457 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.086 | 165  | 149487   | 44.906 | ng    | 92       |
| 58) Fluorene                  | 10.439 | 166  | 483369   | 45.107 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232  | 112276   | 42.102 | ng    | 96       |
| 60) Diethylphthalate          | 10.310 | 149  | 527672   | 48.984 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.428 | 204  | 239377   | 44.486 | ng    | 92       |
| 62) 4-Nitroaniline            | 10.463 | 138  | 99768    | 37.756 | ng    | 99       |
| 63) Azobenzene                | 10.592 | 77   | 548038   | 47.319 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198  | 66607    | 49.233 | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 10.551 | 169  | 411536   | 58.624 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.922 | 248  | 130911   | 54.360 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.986 | 284  | 135325   | 50.582 | ng    | 95       |
| 69) Atrazine                  | 11.075 | 200  | 114143   | 49.043 | ng    | 98       |
| 70) Pentachlorophenol         | 11.180 | 266  | 121367   | 76.666 | ng    | 96       |
| 71) Phenanthrene              | 11.398 | 178  | 625219   | 52.818 | ng    | 99       |
| 72) Anthracene                | 11.451 | 178  | 592080   | 50.388 | ng    | 100      |
| 73) Carbazole                 | 11.610 | 167  | 470625   | 44.568 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 652907   | 53.641 | ng    | 100      |
| 75) Fluoranthene              | 12.586 | 202  | 574886   | 47.595 | ng    | 98       |
| 77) Benzidine                 | 12.710 | 184  | 150569   | 40.384 | ng    | 99       |
| 78) Pyrene                    | 12.816 | 202  | 566132   | 37.738 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.427 | 149  | 218869   | 48.500 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 527464   | 53.194 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.963 | 252  | 131351   | 51.408 | ng    | # 97     |
| 83) Chrysene                  | 14.039 | 228  | 477292   | 50.881 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149  | 312676   | 64.966 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.598 | 149  | 584944   | 76.934 | ng    | # 99     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.939 | 276  | 303469   | 37.155 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 445356   | 65.035 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.074 | 252  | 376989   | 56.446 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 342453   | 56.927 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.951 | 278  | 233361   | 34.928 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.380 | 276  | 233711   | 32.988 | ng    | 98       |

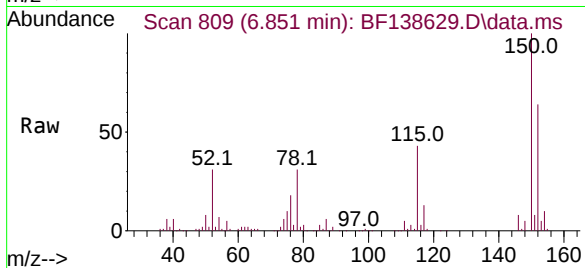
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.851 min Scan# 80  
Delta R.T. -0.018 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

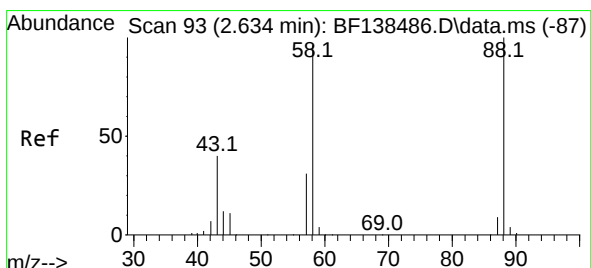
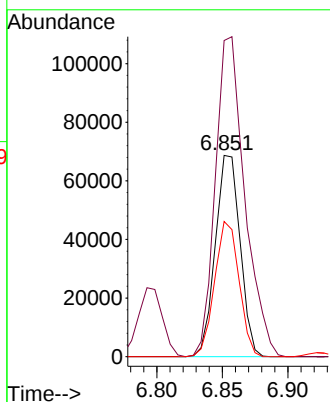
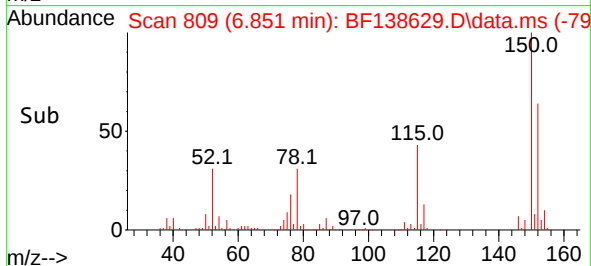
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



Tgt Ion:152 Resp: 90294  
Ion Ratio Lower Upper  
152 100  
150 157.0 126.2 189.4  
115 67.2 50.3 75.5

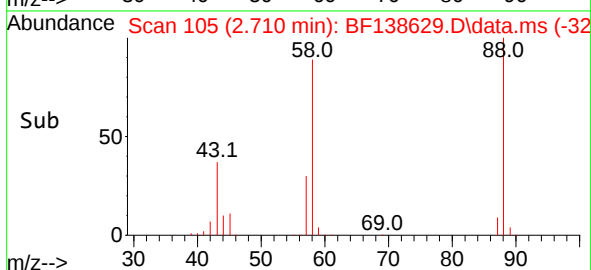
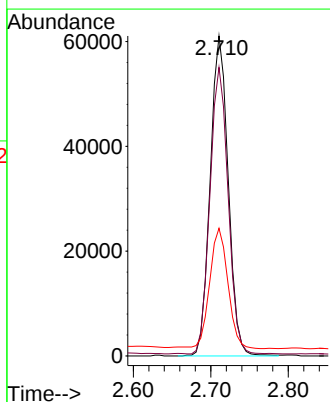
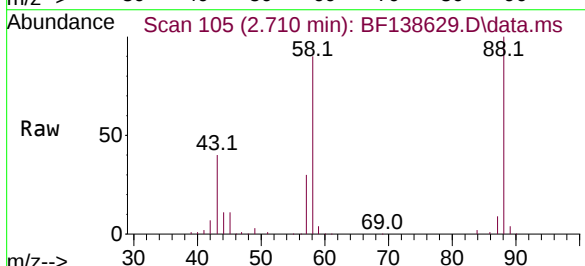
Manual Integrations  
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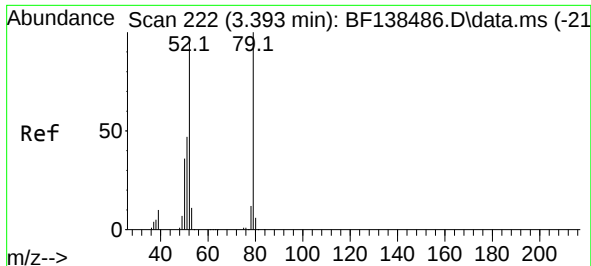
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#2  
1,4-Dioxane  
Concen: 39.176 ng  
RT: 2.710 min Scan# 105  
Delta R.T. 0.077 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

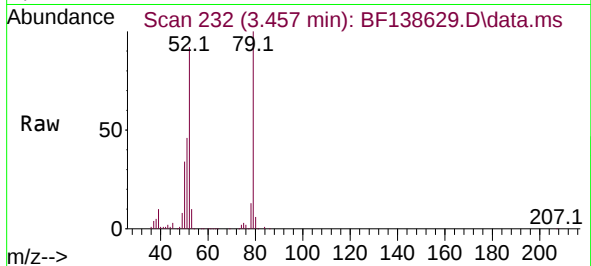
Tgt Ion: 88 Resp: 98922  
Ion Ratio Lower Upper  
88 100  
58 90.1 74.6 112.0  
43 37.9 31.8 47.6





#3  
Pyridine  
Concen: 41.342 ng  
RT: 3.457 min Scan# 21  
Delta R.T. 0.065 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

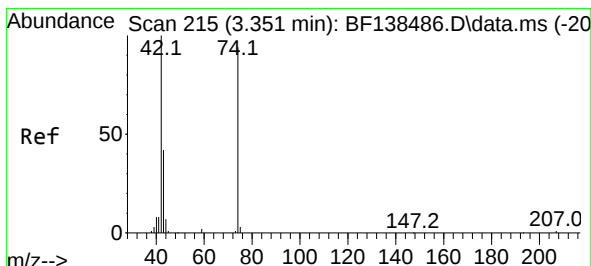
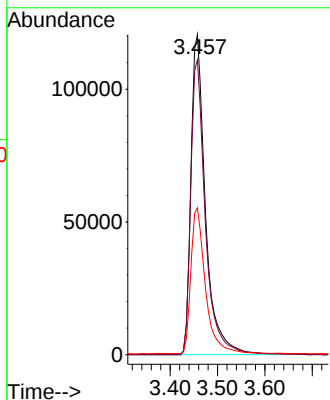
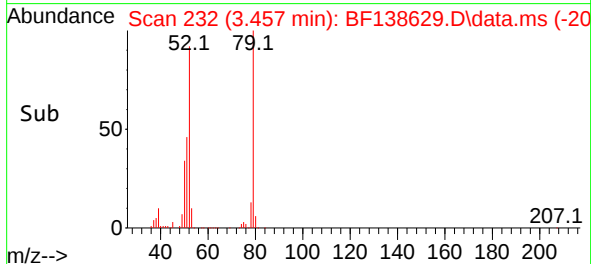
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



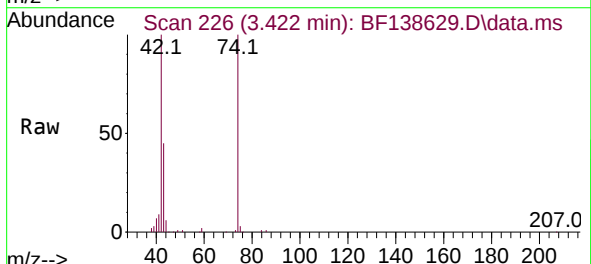
Tgt Ion: 79 Resp: 257430  
Ion Ratio Lower Upper  
79 100  
52 92.2 77.4 116.2  
51 45.9 37.4 56.0

Manual Integrations  
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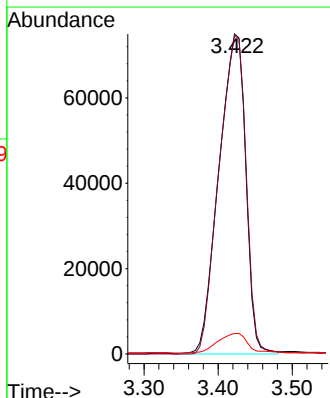
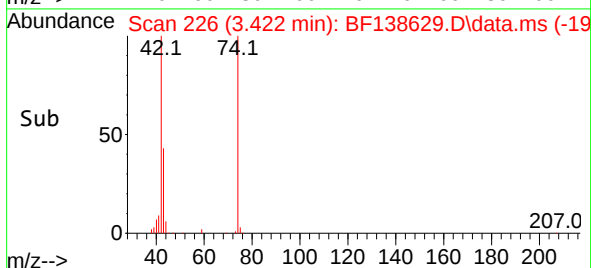
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#4  
n-Nitrosodimethylamine  
Concen: 46.501 ng  
RT: 3.422 min Scan# 226  
Delta R.T. 0.071 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion: 42 Resp: 188497  
Ion Ratio Lower Upper  
42 100  
74 99.5 75.0 112.6  
44 6.4 5.4 8.2





#5  
2-Fluorophenol  
Concen: 79.486 ng  
RT: 5.487 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

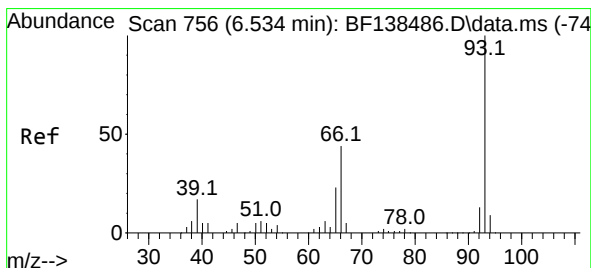
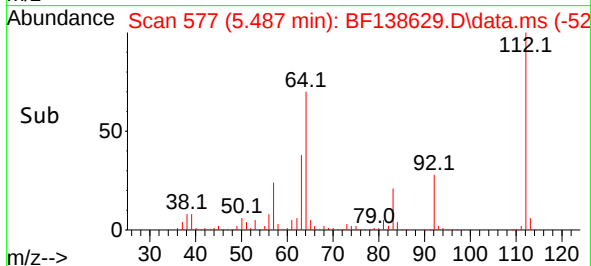
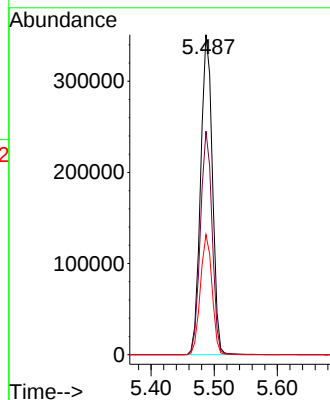
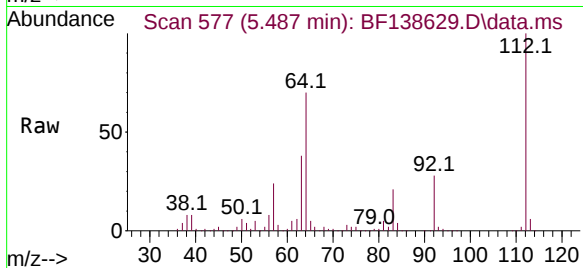
ClientSampleId :

VNJ206MSD

Tgt Ion:112 Resp: 45317  
Ion Ratio Lower Upper  
112 100  
64 69.9 55.1 82.7  
63 37.5 29.0 43.6

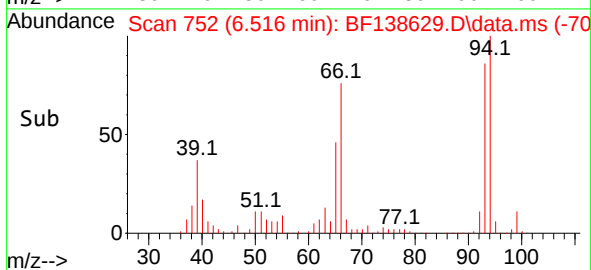
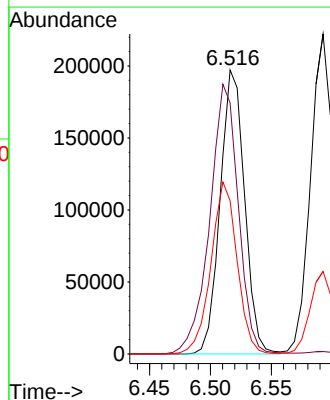
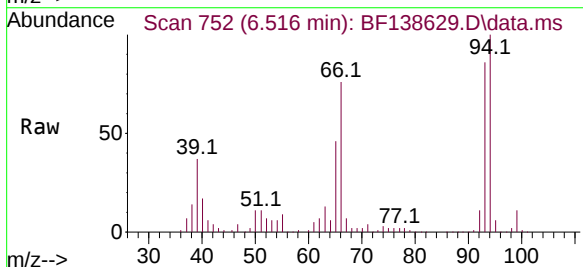
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#6  
Aniline  
Concen: 38.761 ng  
RT: 6.516 min Scan# 752  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
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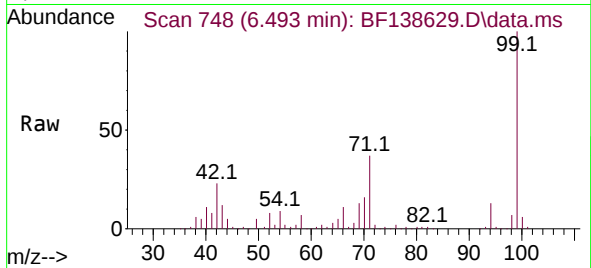
Tgt Ion: 93 Resp: 275350  
Ion Ratio Lower Upper  
93 100  
66 88.4 35.4 53.0#  
65 53.9 18.6 27.8#





#7  
Phenol-d6  
Concen: 80.200 ng  
RT: 6.493 min Scan# 748  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

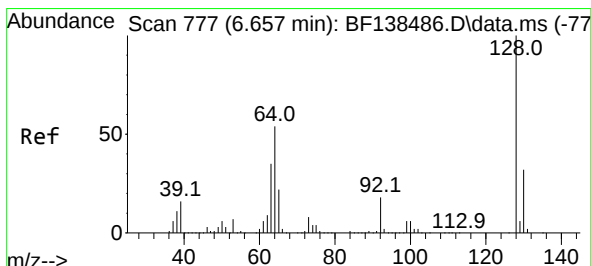
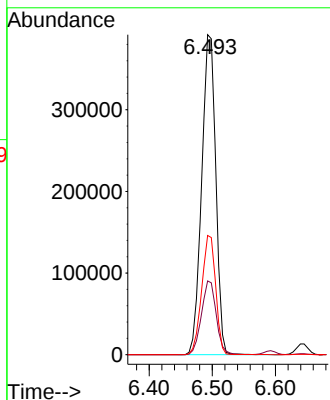
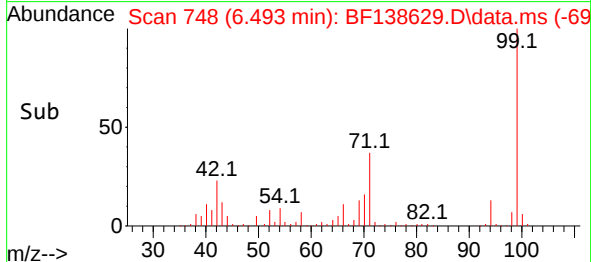
Instrument :  
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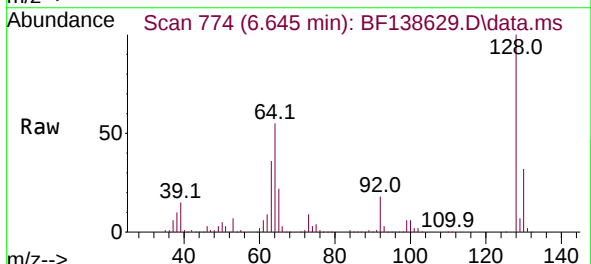
Tgt Ion: 99 Resp: 60826  
Ion Ratio Lower Upper  
99 100  
42 23.0 19.7 29.5  
71 37.3 29.9 44.9

Manual Integrations  
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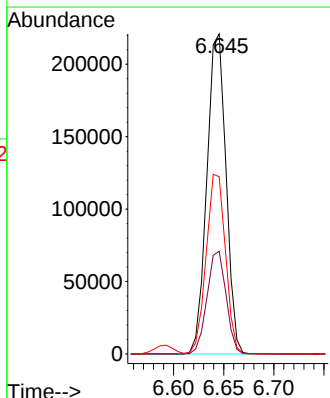
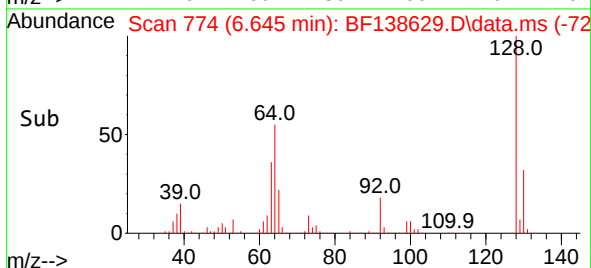
Reviewed By :Jagrut Upadhyay 07/24/2024  
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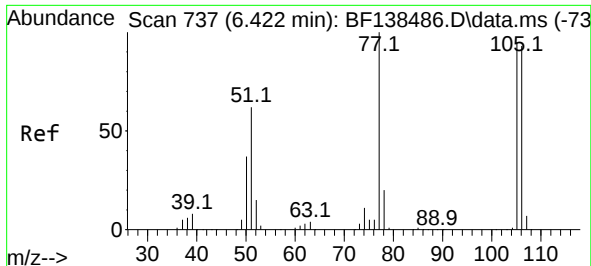


#8  
2-Chlorophenol  
Concen: 48.799 ng  
RT: 6.645 min Scan# 774  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion:128 Resp: 294185  
Ion Ratio Lower Upper  
128 100  
130 32.1 12.1 52.1  
64 55.4 34.4 74.4





#9

Benzaldehyde

Concen: 5.938 ng

RT: 6.404 min Scan# 710

Delta R.T. -0.018 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

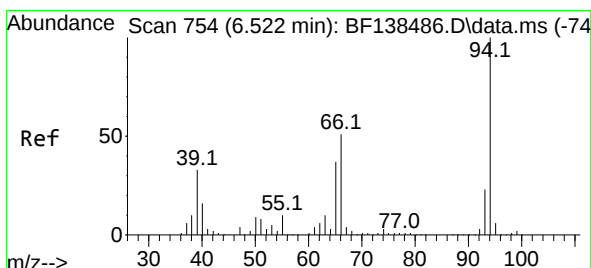
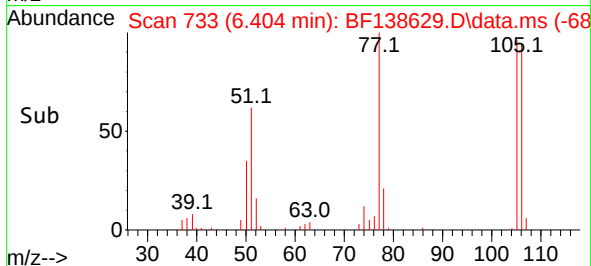
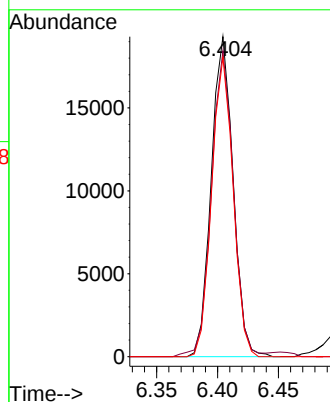
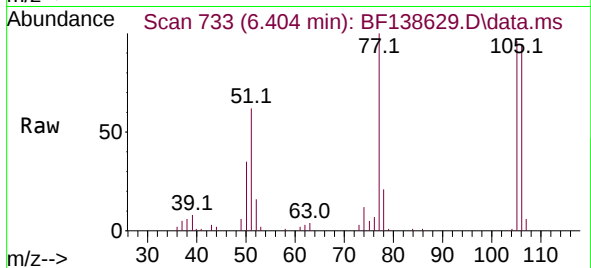
VNJ206MSD

|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 24104 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 105 95.6    | 75.1 115.1  |
| 106 93.5    | 73.2 113.2  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#10

Phenol

Concen: 48.163 ng

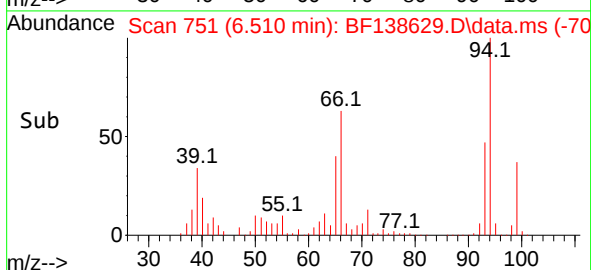
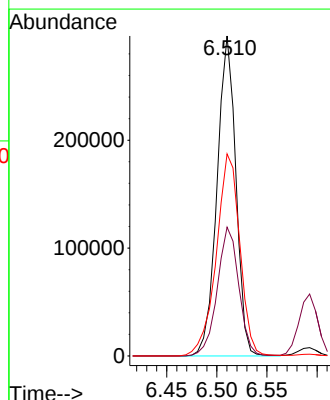
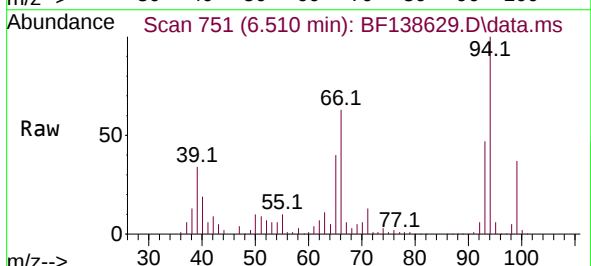
RT: 6.510 min Scan# 751

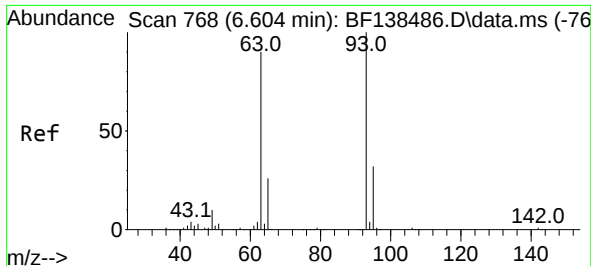
Delta R.T. -0.012 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

|             |              |
|-------------|--------------|
| Tgt Ion: 94 | Resp: 387728 |
| Ion Ratio   | Lower Upper  |
| 94 100      |              |
| 65 40.3     | 16.7 56.7    |
| 66 63.1     | 31.2 71.2    |





#11

bis(2-Chloroethyl)ether

Concen: 47.509 ng

RT: 6.593 min Scan# 709

Delta R.T. -0.012 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

Tgt Ion: 93 Resp: 287962

Ion Ratio Lower Upper

93 100

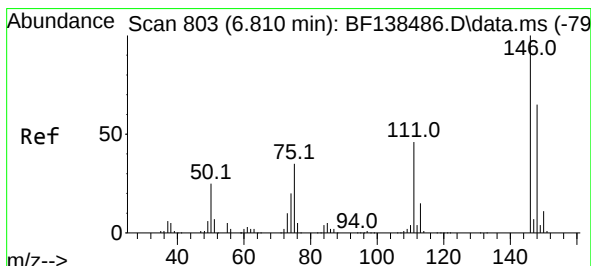
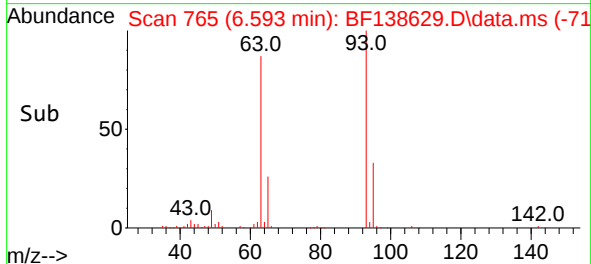
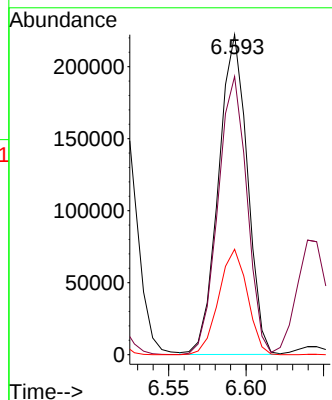
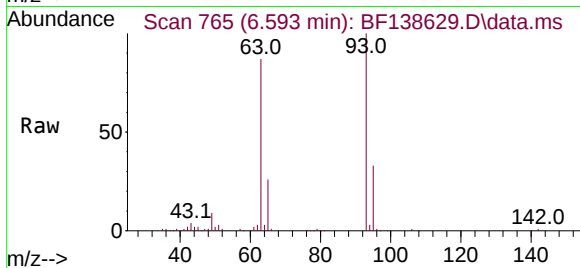
63 87.0 68.8 108.8

95 32.9 11.8 51.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#12

1,3-Dichlorobenzene

Concen: 43.784 ng

RT: 6.793 min Scan# 799

Delta R.T. -0.017 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

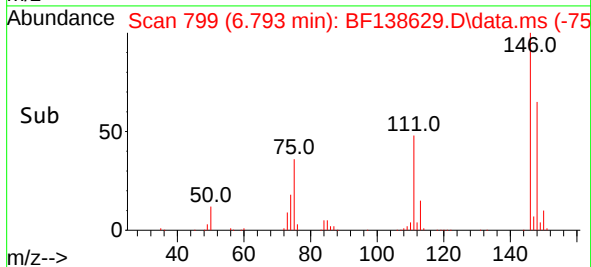
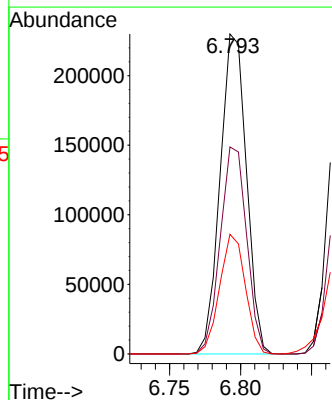
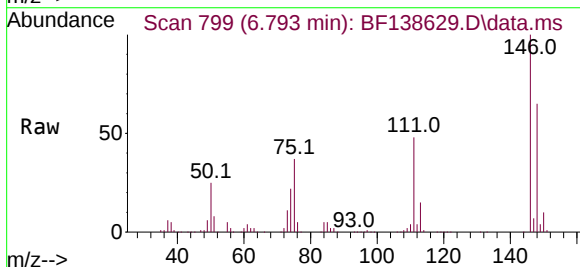
Tgt Ion:146 Resp: 296692

Ion Ratio Lower Upper

146 100

148 64.7 52.4 78.6

75 37.4 27.8 41.8





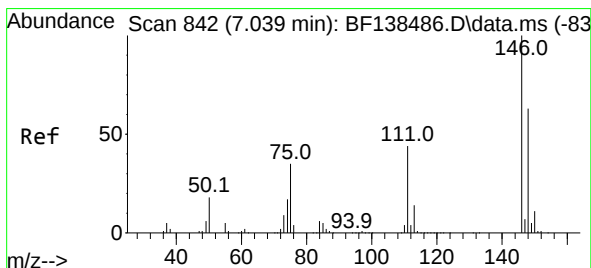
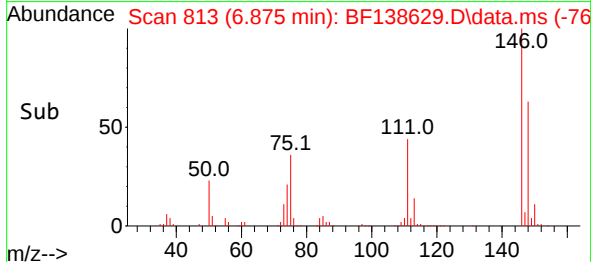
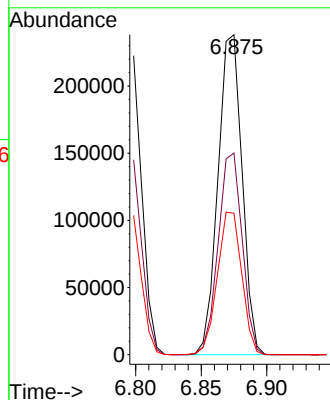
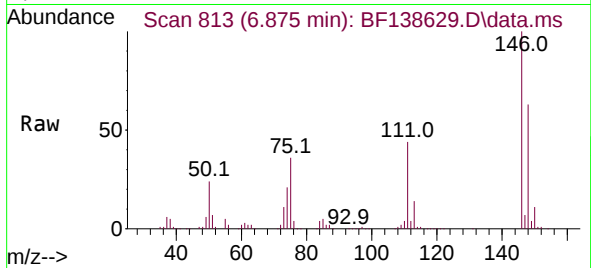
#13  
1,4-Dichlorobenzene  
Concen: 44.254 ng  
RT: 6.875 min Scan# 816  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD

Tgt Ion:146 Resp: 30452  
Ion Ratio Lower Upper  
146 100  
148 63.0 51.6 77.4  
111 44.2 34.9 52.3

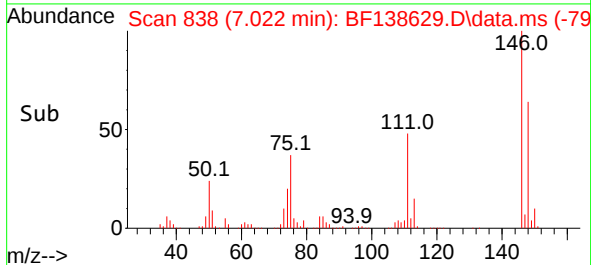
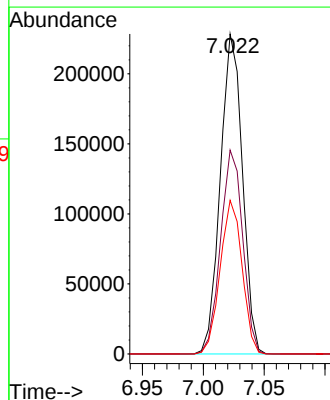
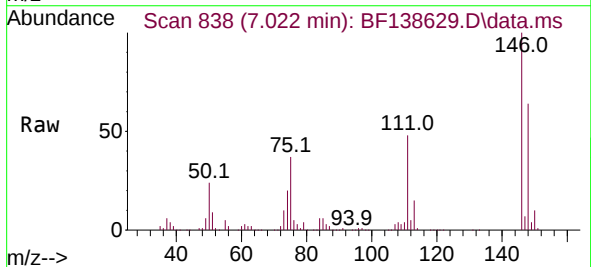
Manual Integrations  
APPROVED

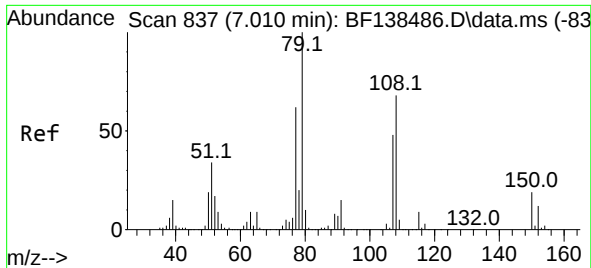
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#14  
1,2-Dichlorobenzene  
Concen: 45.057 ng  
RT: 7.022 min Scan# 838  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion:146 Resp: 288769  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.1 75.1  
111 48.0 35.5 53.3





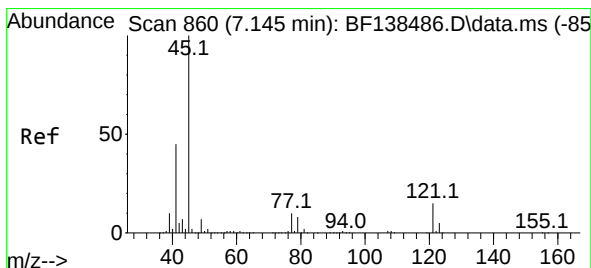
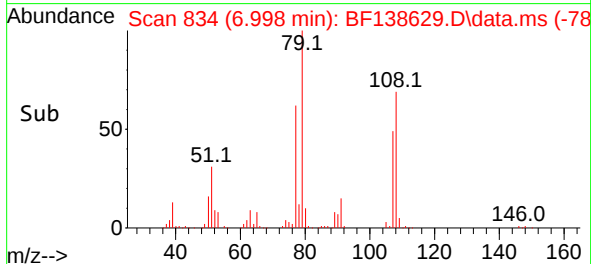
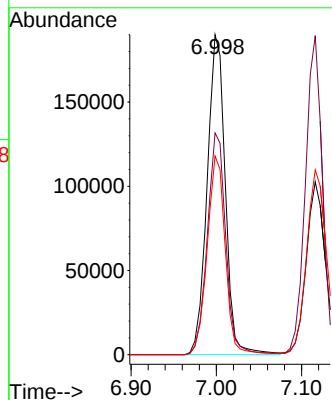
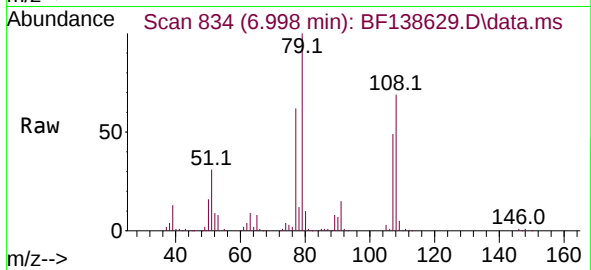
#15  
Benzyl Alcohol  
Concen: 49.338 ng  
RT: 6.998 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD

Tgt Ion: 79 Resp: 280824  
Ion Ratio Lower Upper  
79 100  
108 69.3 54.3 81.5  
77 62.1 50.0 75.0

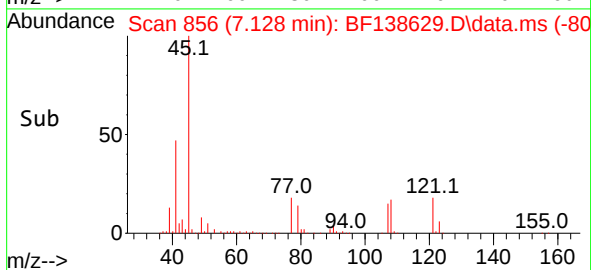
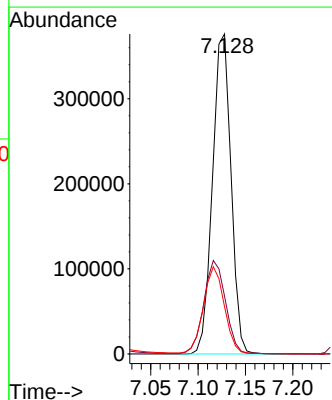
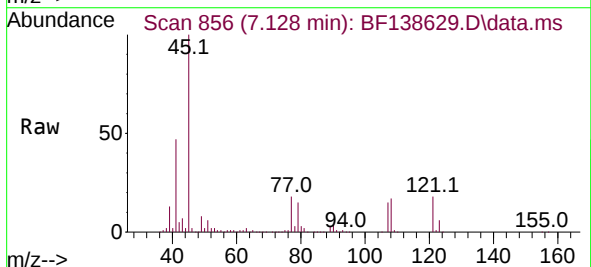
Manual Integrations  
APPROVED

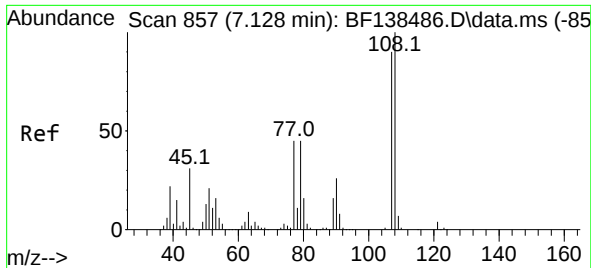
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.929 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion: 45 Resp: 511687  
Ion Ratio Lower Upper  
45 100  
77 18.1 0.0 30.4  
79 14.8 0.0 28.1





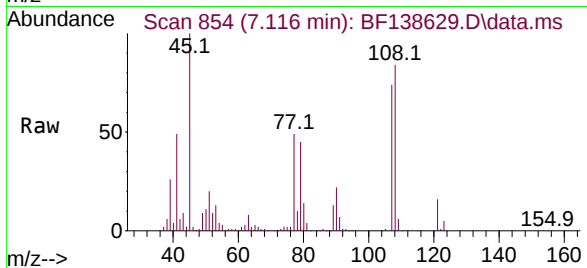
#17  
2-Methylphenol  
Concen: 47.058 ng  
RT: 7.116 min Scan# 854  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

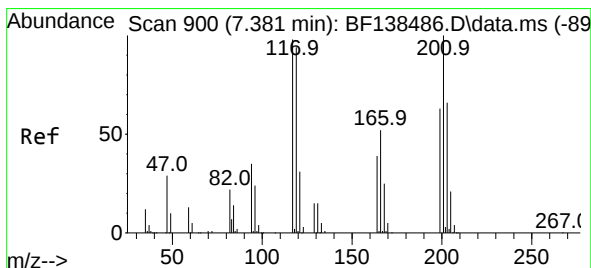
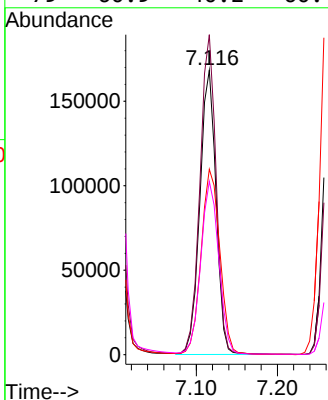
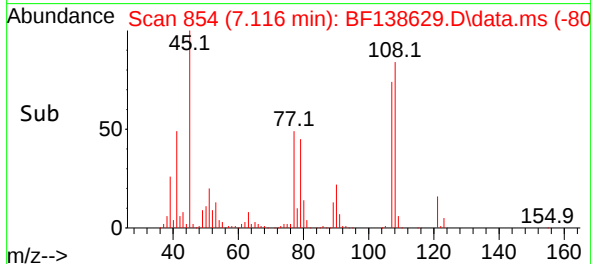


Tgt Ion:107 Resp: 23250  
Ion Ratio Lower Upper  
107 100  
108 112.5 89.0 133.4  
77 65.2 40.3 60.5  
79 60.9 40.2 60.4#

Manual Integrations

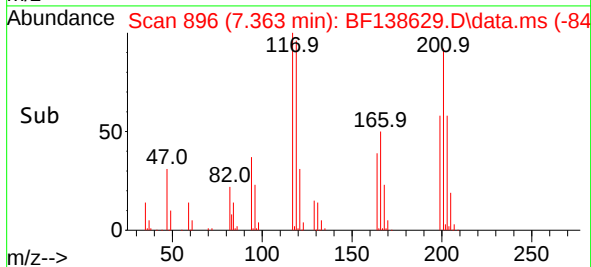
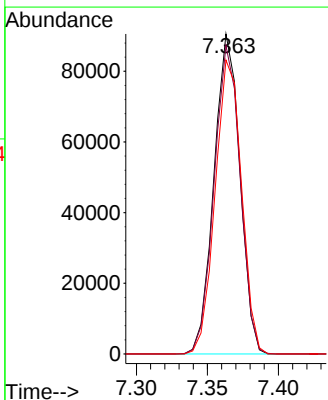
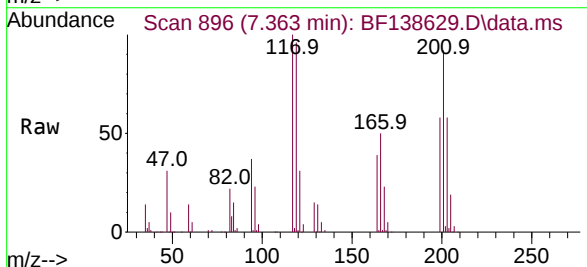
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#18  
Hexachloroethane  
Concen: 45.402 ng  
RT: 7.363 min Scan# 896  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion:117 Resp: 114854  
Ion Ratio Lower Upper  
117 100  
119 96.4 76.6 114.8  
201 91.9 81.4 122.0





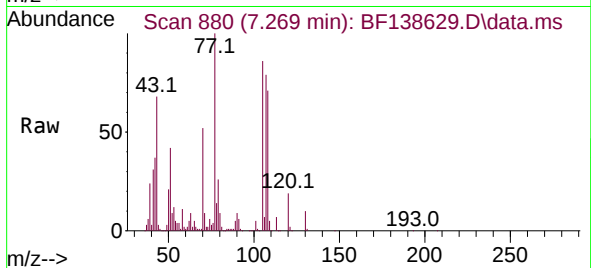
#19  
n-Nitroso-di-n-propylamine  
Concen: 47.914 ng  
RT: 7.269 min Scan# 880  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

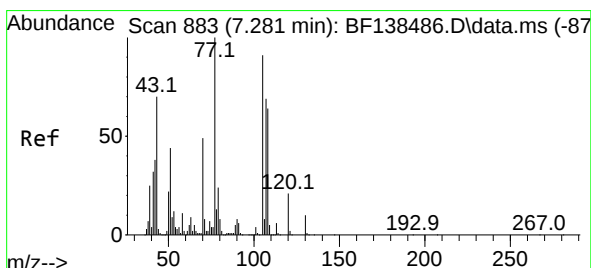
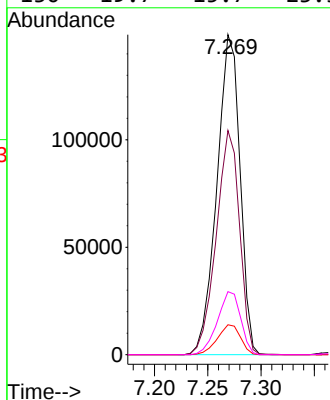
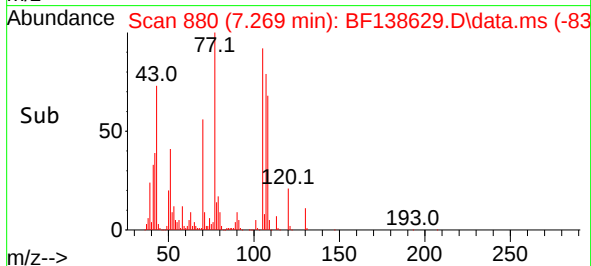


Tgt Ion: 70 Resp: 22454  
Ion Ratio Lower Upper  
70 100  
42 70.1 62.4 93.6  
101 9.4 7.2 10.8  
130 19.7 15.7 23.5

Manual Integrations

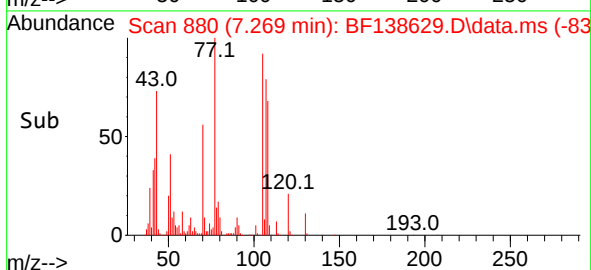
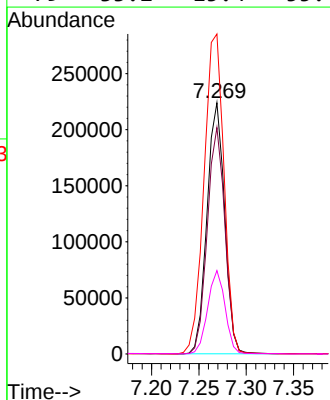
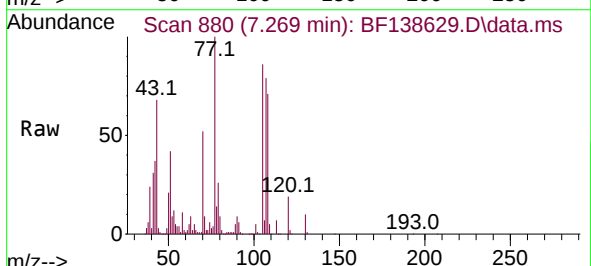
APPROVED

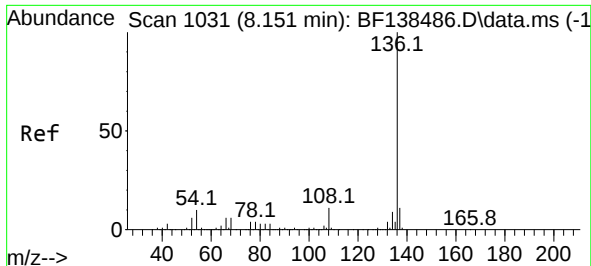
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#20  
3+4-Methylphenols  
Concen: 46.724 ng  
RT: 7.269 min Scan# 880  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion:107 Resp: 290700  
Ion Ratio Lower Upper  
107 100  
108 90.1 73.7 113.7  
77 127.4 126.0 166.0  
79 33.2 15.4 55.4





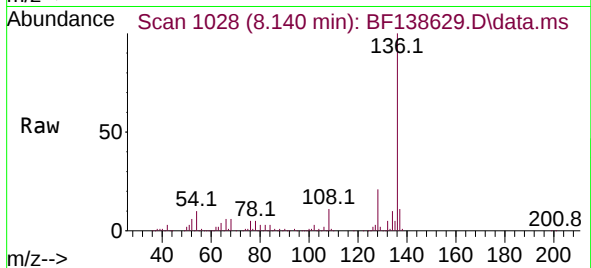
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.140 min Scan# 1031  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

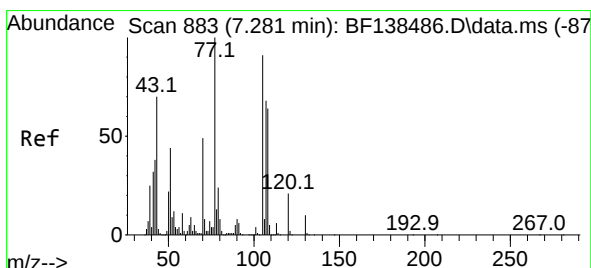
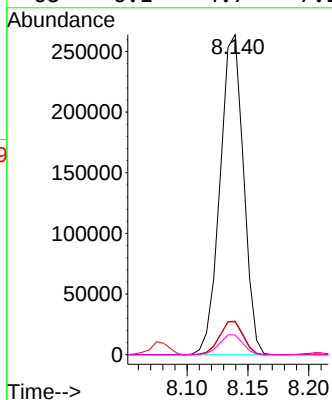
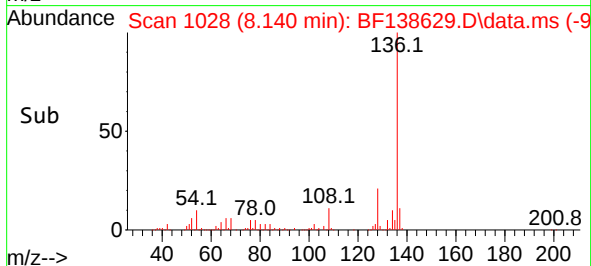


Tgt Ion:136 Resp: 354478  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.5 12.7  
54 10.2 8.1 12.1  
68 6.1 4.7 7.1

Manual Integrations

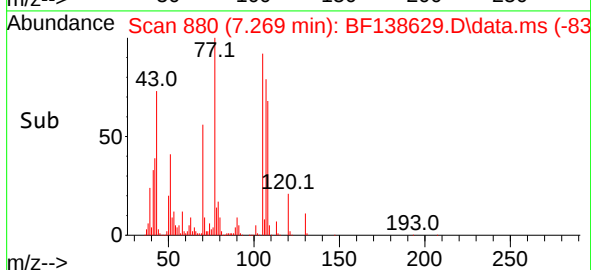
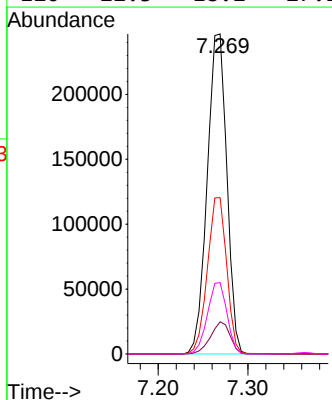
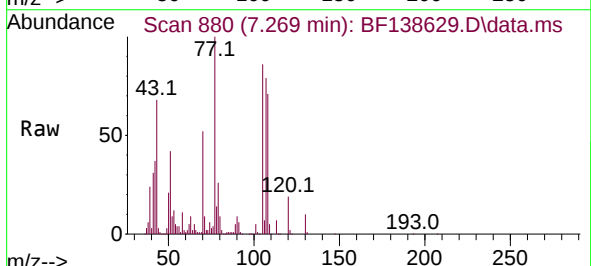
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#22  
Acetophenone  
Concen: 43.472 ng  
RT: 7.269 min Scan# 880  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion:105 Resp: 374259  
Ion Ratio Lower Upper  
105 100  
71 10.1 7.4 11.2  
51 48.9 38.7 58.1  
120 22.3 18.2 27.2





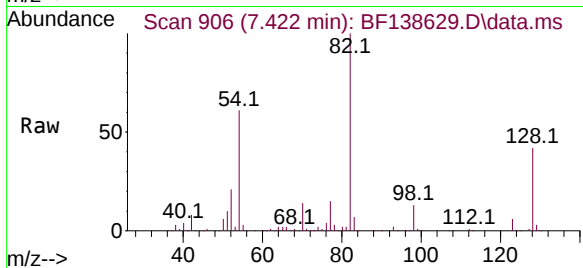
#23  
Nitrobenzene-d5  
Concen: 53.956 ng  
RT: 7.422 min Scan# 909  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

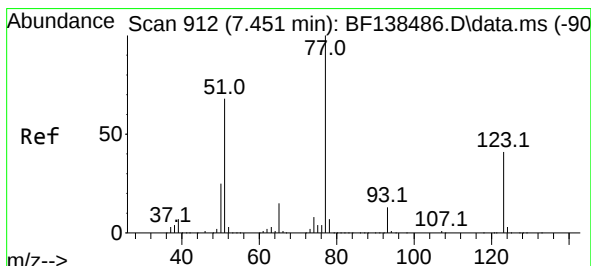
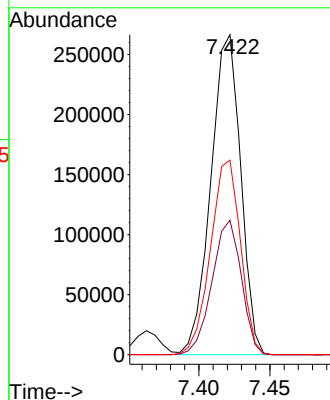
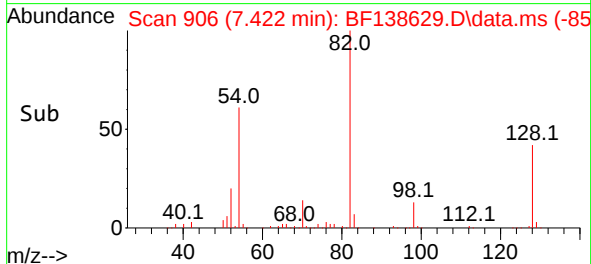


Tgt Ion: 82 Resp: 389552  
Ion Ratio Lower Upper  
82 100  
128 42.0 32.3 48.5  
54 60.8 51.4 77.0

Manual Integrations

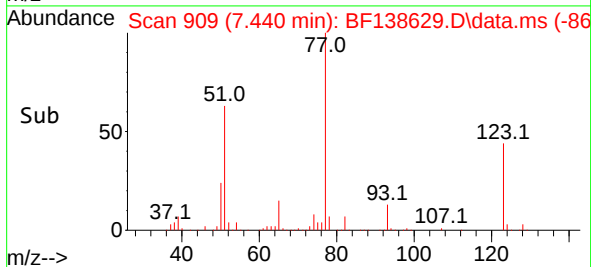
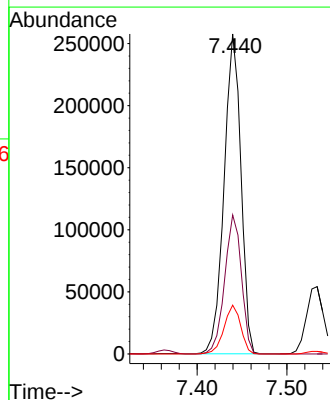
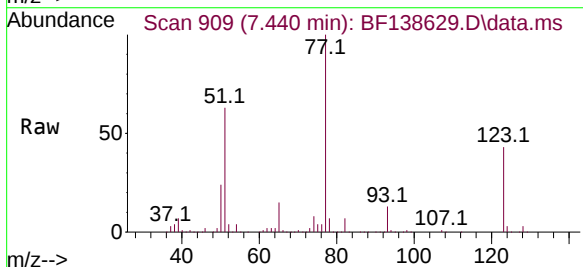
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#24  
Nitrobenzene  
Concen: 45.716 ng  
RT: 7.440 min Scan# 909  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

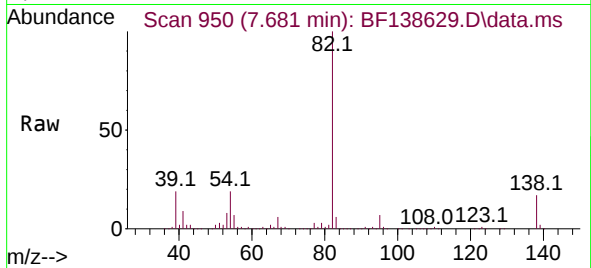
Tgt Ion: 77 Resp: 335417  
Ion Ratio Lower Upper  
77 100  
123 43.5 32.4 48.6  
65 15.2 11.8 17.8





#25  
Isophorone  
Concen: 48.123 ng  
RT: 7.681 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

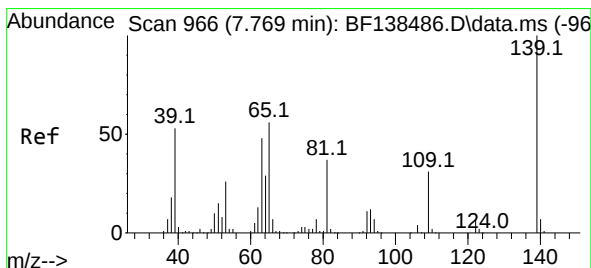
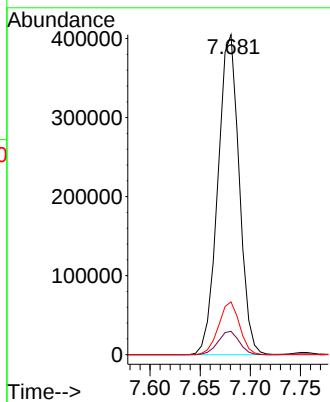
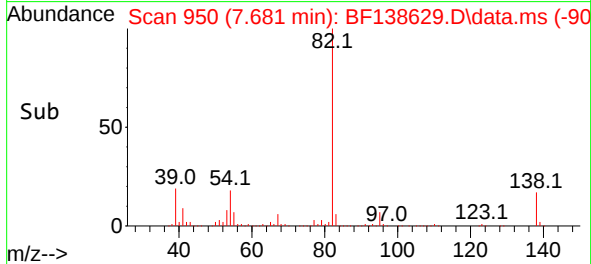
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



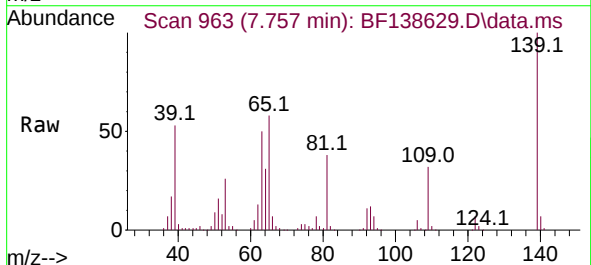
Tgt Ion: 82 Resp: 59666  
Ion Ratio Lower Upper  
82 100  
95 7.3 6.0 9.0  
138 16.5 12.8 19.2

Manual Integrations  
APPROVED

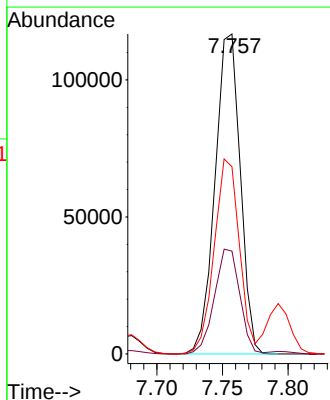
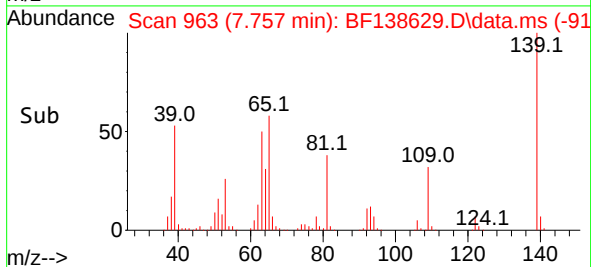
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024

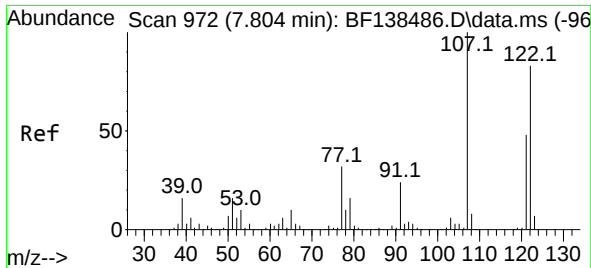


#26  
2-Nitrophenol  
Concen: 49.732 ng  
RT: 7.757 min Scan# 963  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion:139 Resp: 156389  
Ion Ratio Lower Upper  
139 100  
109 32.2 24.8 37.2  
65 58.5 45.1 67.7





#27  
2,4-Dimethylphenol  
Concen: 51.057 ng  
RT: 7.792 min Scan# 90  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

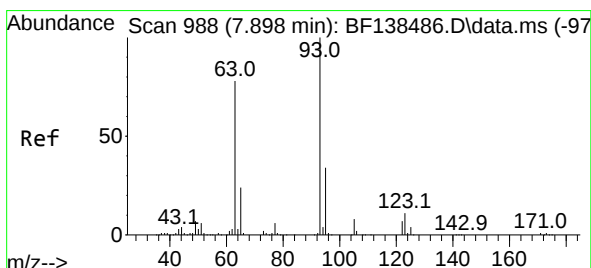
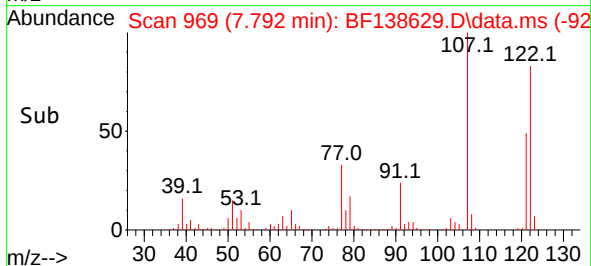
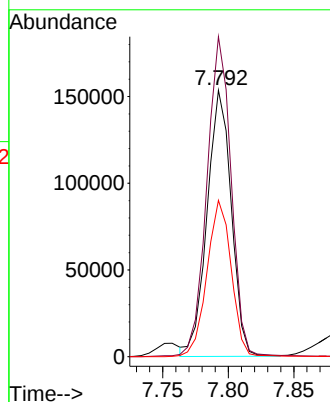
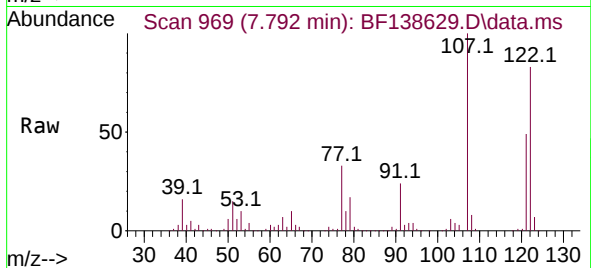
VNJ206MSD

Tgt Ion:122 Resp: 19733  
Ion Ratio Lower Upper  
122 100  
107 120.1 96.3 144.5  
121 58.7 46.7 70.1

Manual Integrations

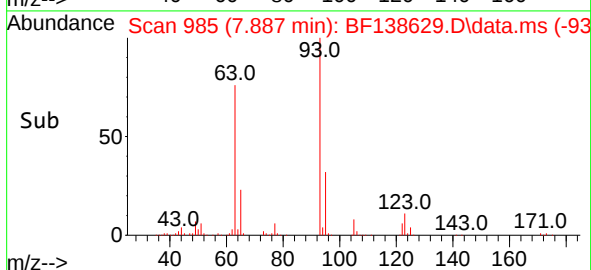
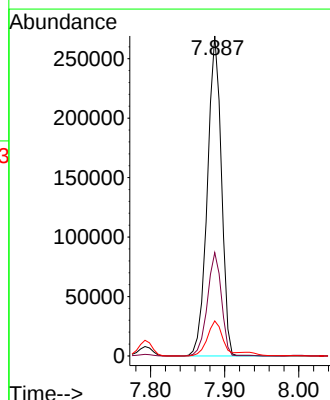
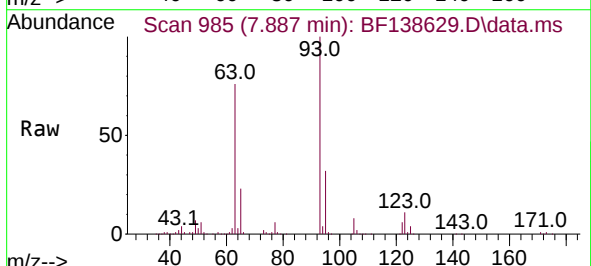
APPROVED

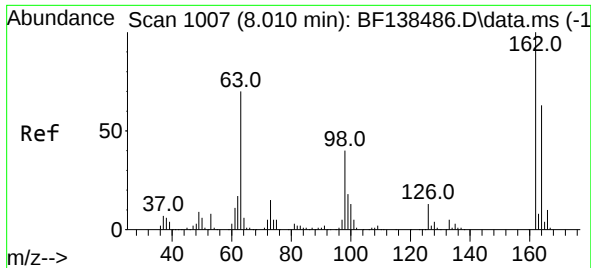
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 47.732 ng  
RT: 7.887 min Scan# 985  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion: 93 Resp: 353695  
Ion Ratio Lower Upper  
93 100  
95 32.3 27.0 40.6  
123 11.0 9.1 13.7





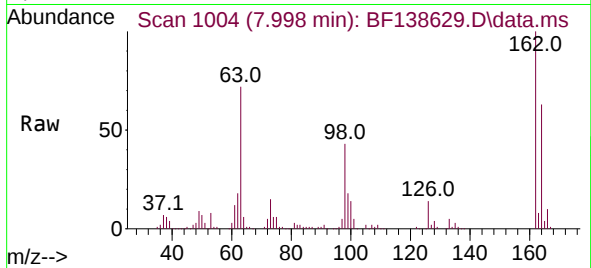
#29  
2,4-Dichlorophenol  
Concen: 45.608 ng  
RT: 7.998 min Scan# 1004  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

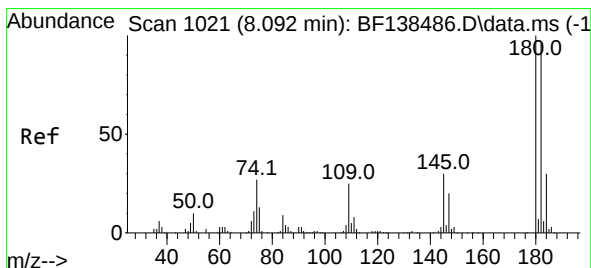
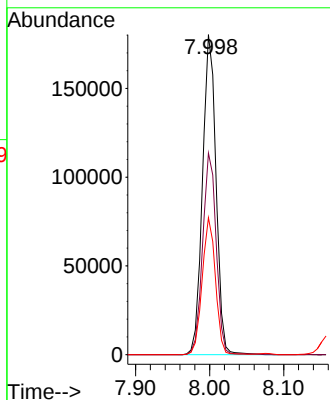
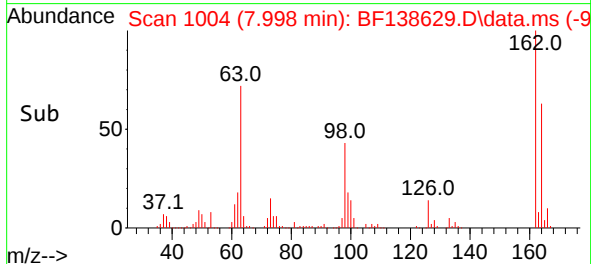


Tgt Ion:162 Resp: 22890  
Ion Ratio Lower Upper  
162 100  
164 63.0 42.6 82.6  
98 42.8 20.1 60.1

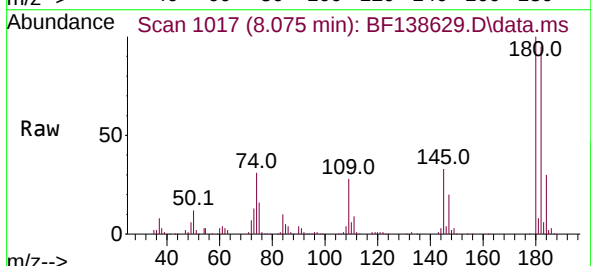
Manual Integrations

APPROVED

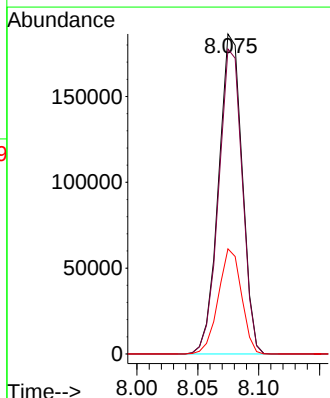
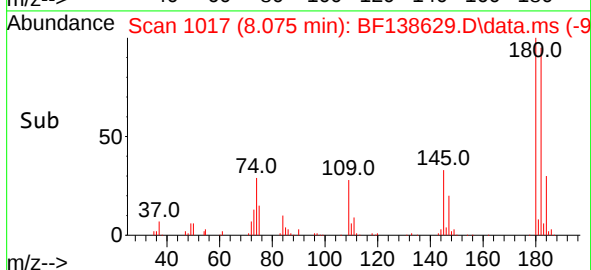
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024

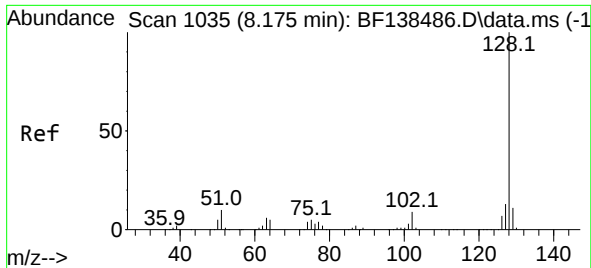


#30  
1,2,4-Trichlorobenzene  
Concen: 42.995 ng  
RT: 8.075 min Scan# 1017  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion:180 Resp: 251380  
Ion Ratio Lower Upper  
180 100  
182 95.3 76.9 115.3  
145 32.8 23.9 35.9





#31  
Naphthalene  
Concen: 45.561 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

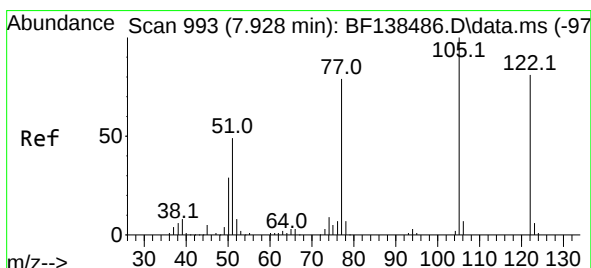
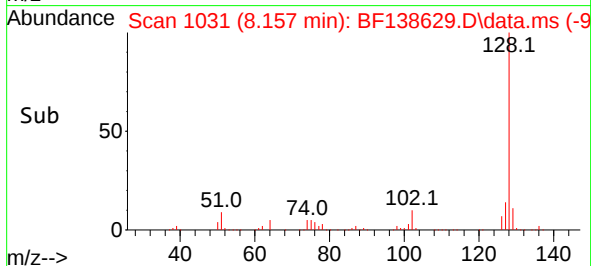
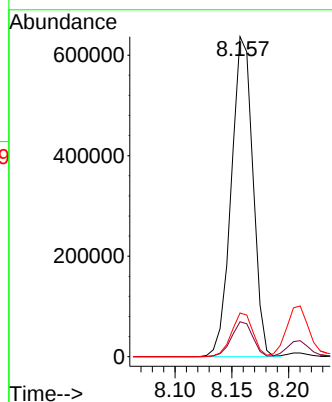
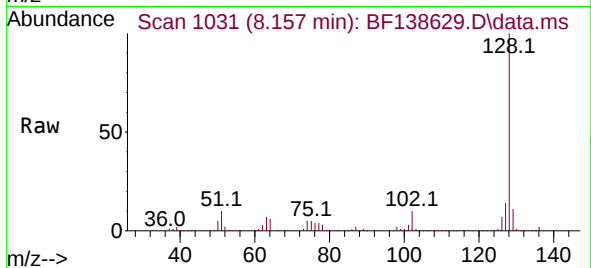
VNJ206MSD

Tgt Ion:128 Resp: 839958  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.6 13.0  
127 13.7 10.7 16.1

Manual Integrations

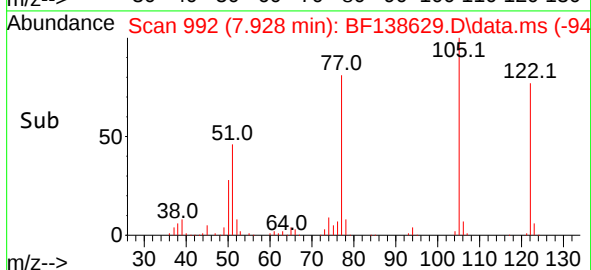
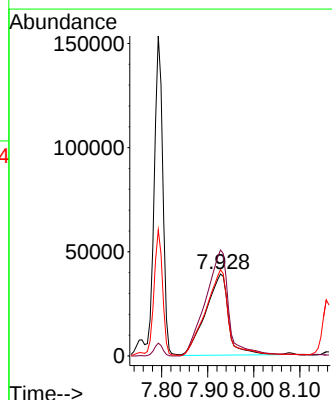
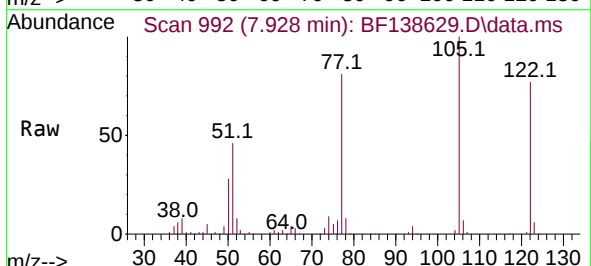
APPROVED

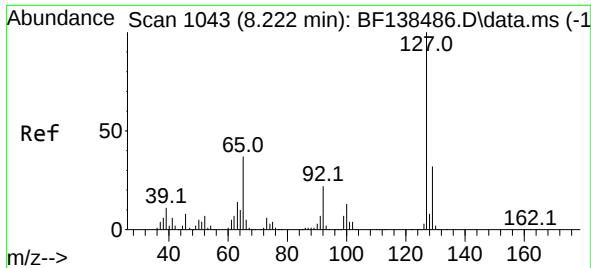
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#32  
Benzoic acid  
Concen: 36.560 ng  
RT: 7.928 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion:122 Resp: 134768  
Ion Ratio Lower Upper  
122 100  
105 129.3 101.5 141.5  
77 105.2 77.3 117.3





#33  
4-Chloroaniline  
Concen: 23.159 ng  
RT: 8.210 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

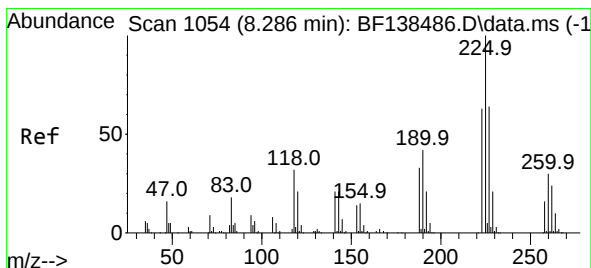
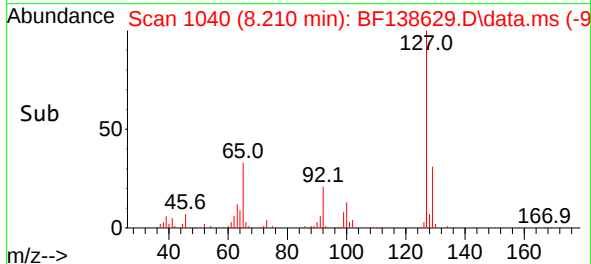
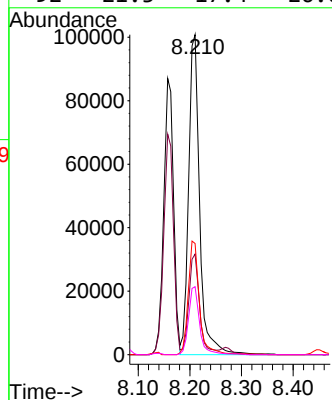
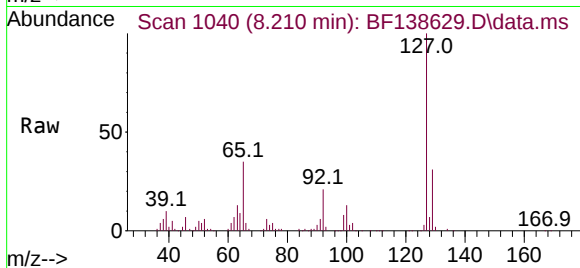
VNJ206MSD

Tgt Ion:127 Resp: 14980  
Ion Ratio Lower Upper  
127 100  
129 31.5 25.6 38.4  
65 34.8 29.6 44.4  
92 21.3 17.4 26.0

Manual Integrations

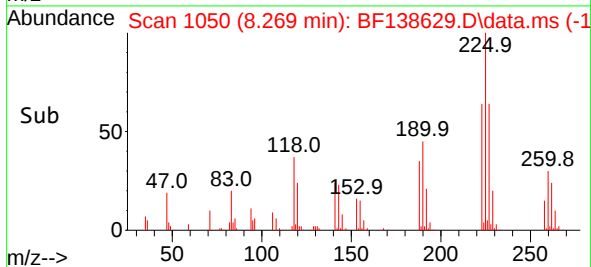
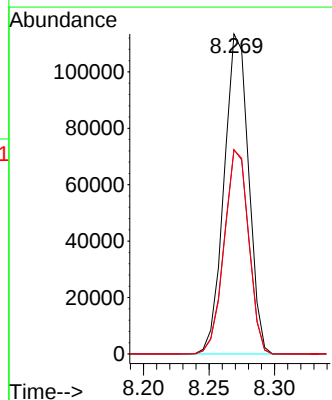
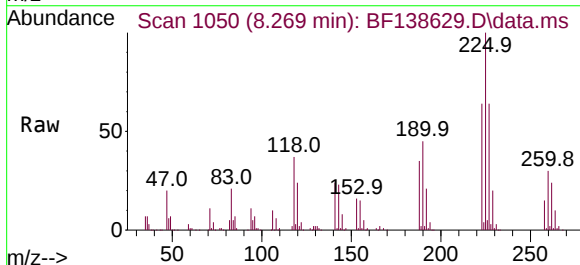
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#34  
Hexachlorobutadiene  
Concen: 40.920 ng  
RT: 8.269 min Scan# 1050  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

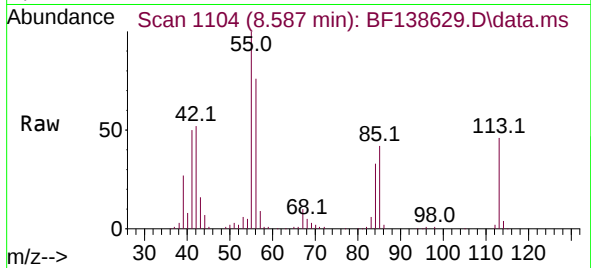
Tgt Ion:225 Resp: 147328  
Ion Ratio Lower Upper  
225 100  
223 63.9 50.0 75.0  
227 63.8 51.0 76.6





#35  
Caprolactam  
Concen: 42.282 ng m  
RT: 8.587 min Scan# 1104  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

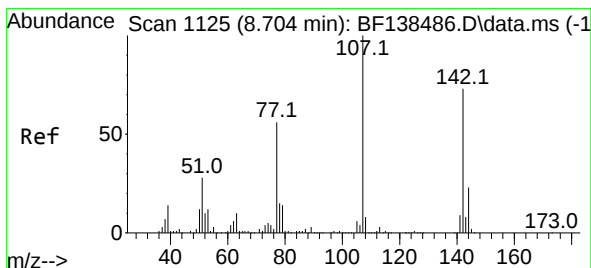
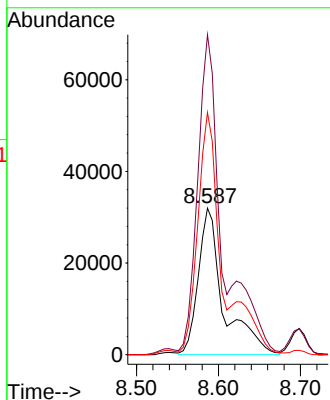
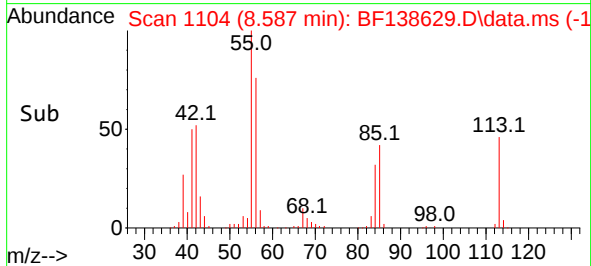
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



Tgt Ion:113 Resp: 68478  
Ion Ratio Lower Upper  
113 100  
55 218.3 192.5 232.5  
56 165.2 145.3 185.3

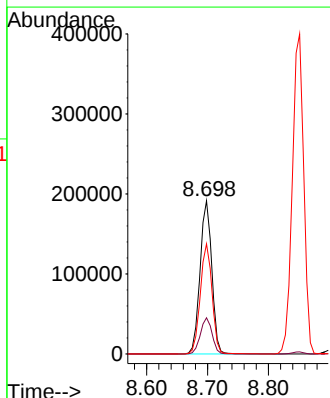
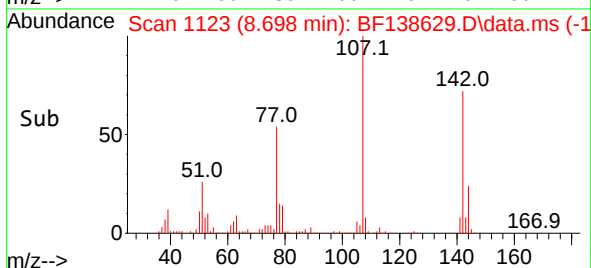
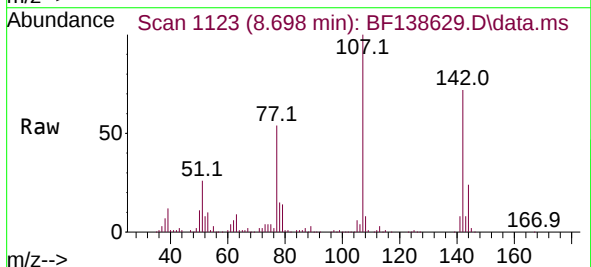
Manual Integrations  
APPROVED

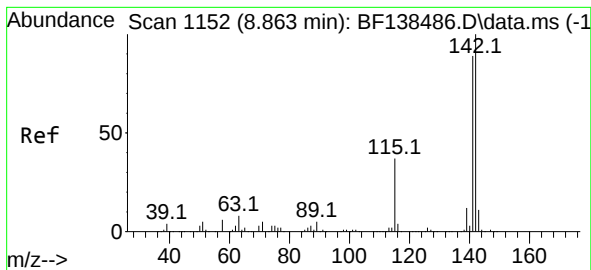
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#36  
4-Chloro-3-methylphenol  
Concen: 45.808 ng  
RT: 8.698 min Scan# 1123  
Delta R.T. -0.006 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

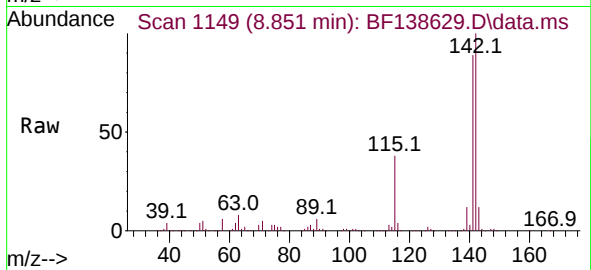
Tgt Ion:107 Resp: 257386  
Ion Ratio Lower Upper  
107 100  
144 23.7 18.6 27.8  
142 71.9 58.6 88.0





#37  
2-Methylnaphthalene  
Concen: 43.894 ng  
RT: 8.851 min Scan# 1149  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

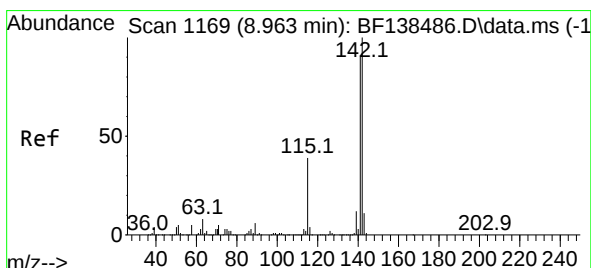
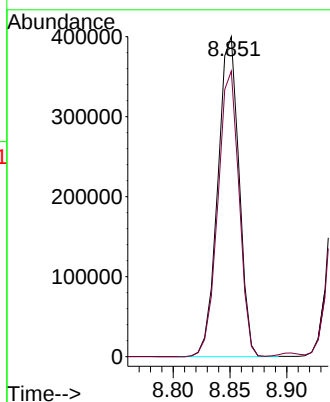
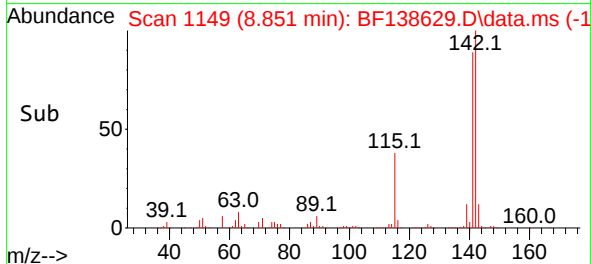
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



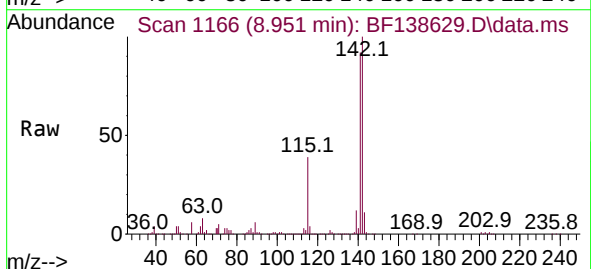
Tgt Ion:142 Resp: 520752  
Ion Ratio Lower Upper  
142 100  
141 89.2 71.4 107.0

Manual Integrations  
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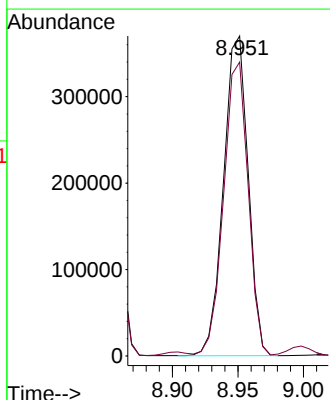
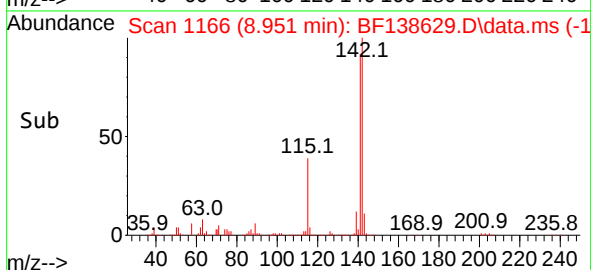
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#38  
1-Methylnaphthalene  
Concen: 41.732 ng  
RT: 8.951 min Scan# 1166  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



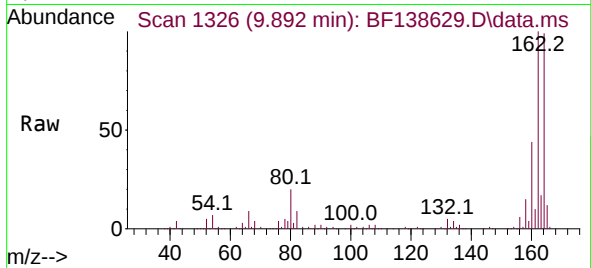
Tgt Ion:142 Resp: 483195  
Ion Ratio Lower Upper  
142 100  
141 91.8 72.6 108.8





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.892 min Scan# 1177  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

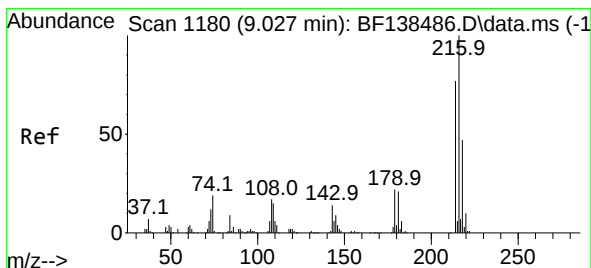
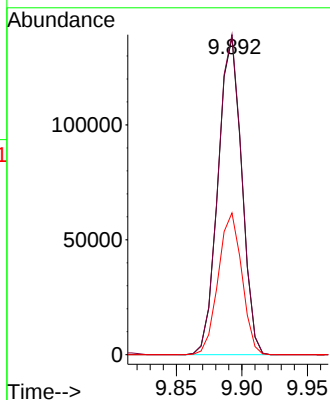
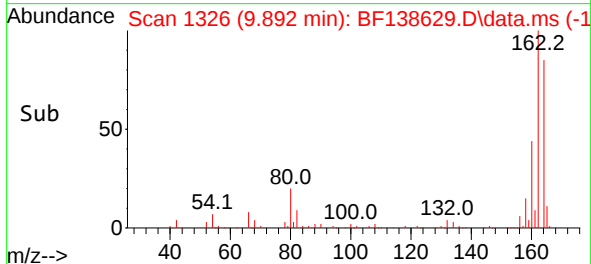
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



Tgt Ion:164 Resp: 172809  
Ion Ratio Lower Upper  
164 100  
162 100.9 79.0 118.6  
160 44.7 34.4 51.6

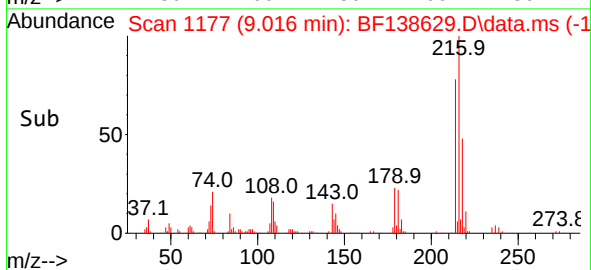
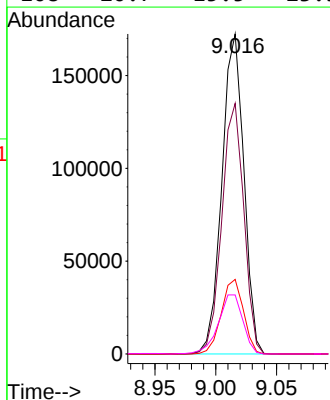
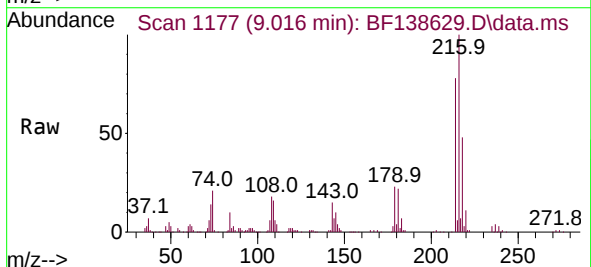
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.880 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

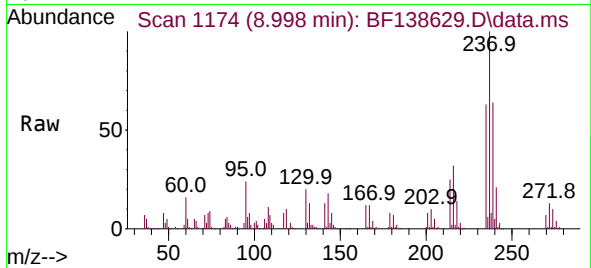
Tgt Ion:216 Resp: 216156  
Ion Ratio Lower Upper  
216 100  
214 78.3 62.8 94.2  
179 23.6 17.7 26.5  
108 20.7 15.5 23.3





#41  
Hexachlorocyclopentadiene  
Concen: 70.026 ng  
RT: 8.998 min Scan# 1177  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

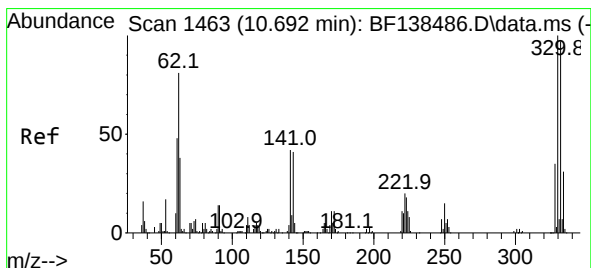
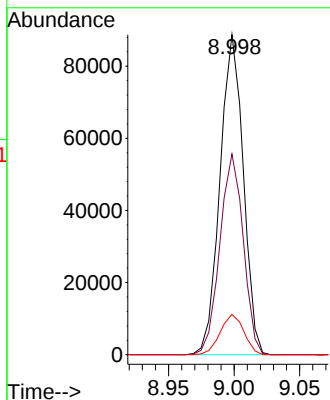
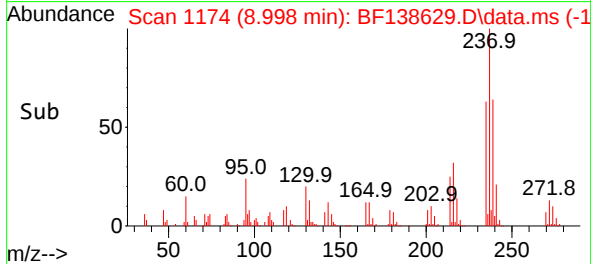
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



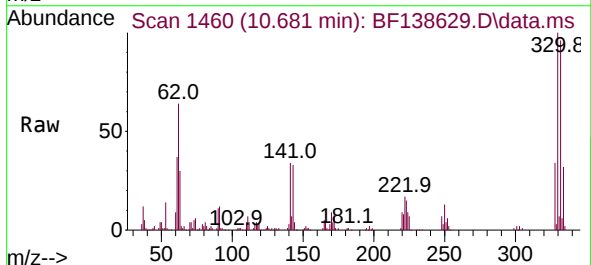
Tgt Ion:237 Resp: 10947  
Ion Ratio Lower Upper  
237 100  
235 62.7 43.3 83.3  
272 12.6 0.0 32.3

Manual Integrations  
APPROVED

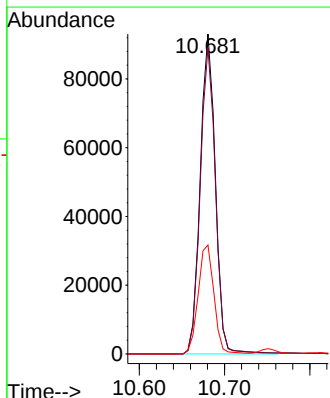
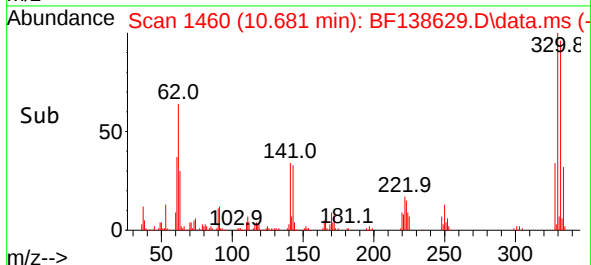
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#42  
2,4,6-Tribromophenol  
Concen: 71.277 ng  
RT: 10.681 min Scan# 1460  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



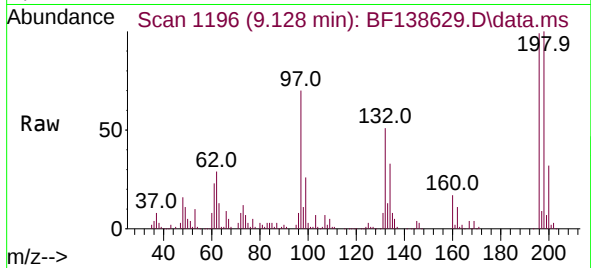
Tgt Ion:330 Resp: 115117  
Ion Ratio Lower Upper  
330 100  
332 96.3 76.8 115.2  
141 35.4 29.4 44.2





#43  
2,4,6-Trichlorophenol  
Concen: 47.863 ng  
RT: 9.128 min Scan# 1199  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

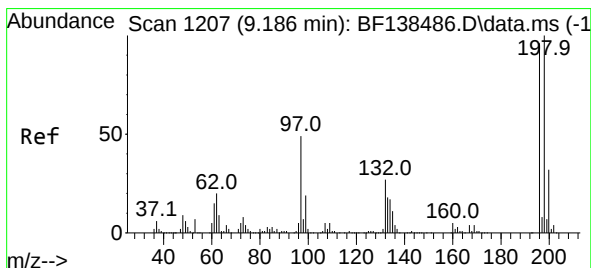
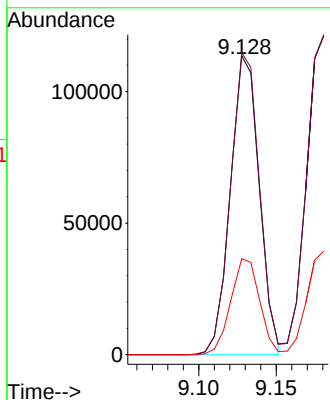
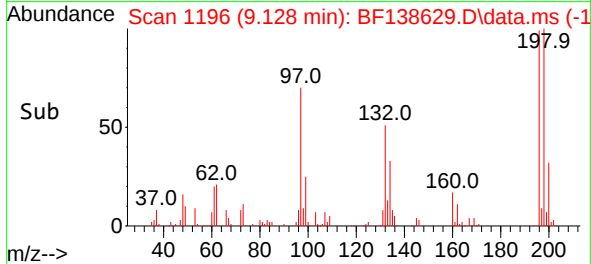
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



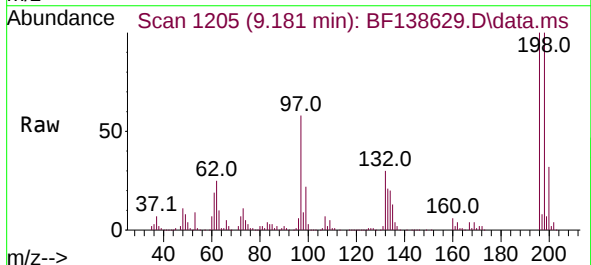
Tgt Ion:196 Resp: 147040  
Ion Ratio Lower Upper  
196 100  
198 101.0 82.3 123.5  
200 32.1 25.8 38.6

Manual Integrations  
APPROVED

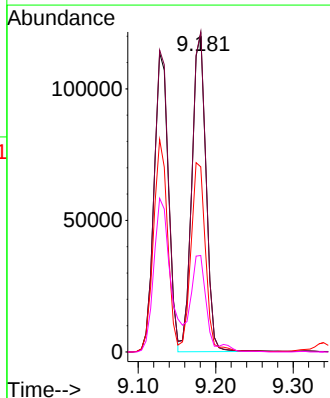
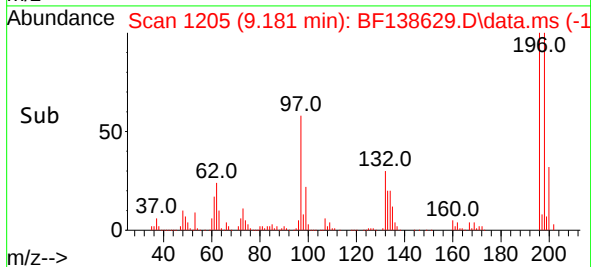
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024

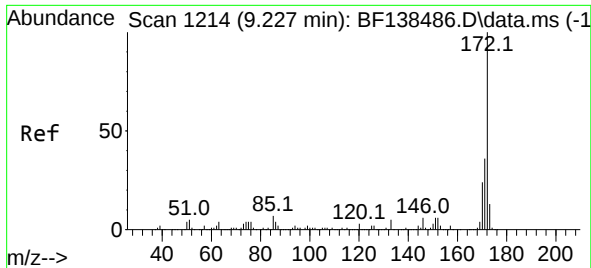


#44  
2,4,5-Trichlorophenol  
Concen: 45.316 ng  
RT: 9.181 min Scan# 1205  
Delta R.T. -0.006 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



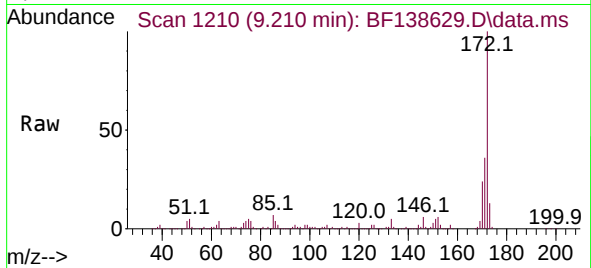
Tgt Ion:196 Resp: 153125  
Ion Ratio Lower Upper  
196 100  
198 100.4 82.8 124.2  
97 58.1 41.0 61.4  
132 30.3 22.7 34.1





#45  
2-Fluorobiphenyl  
Concen: 57.806 ng  
RT: 9.210 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

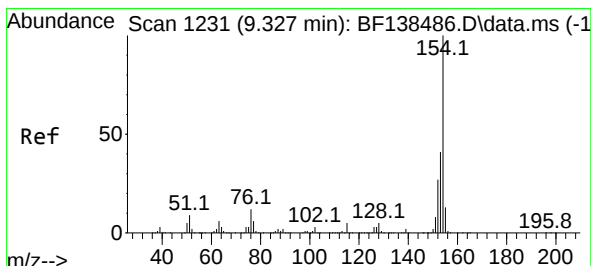
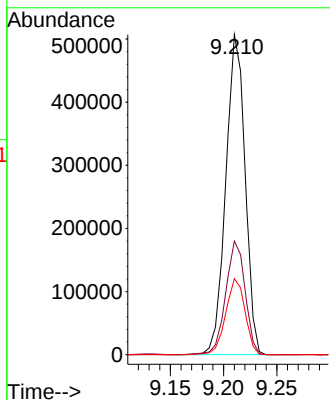
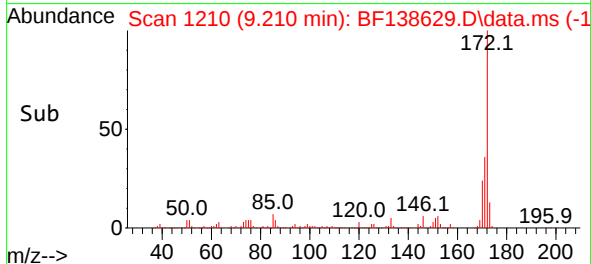
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



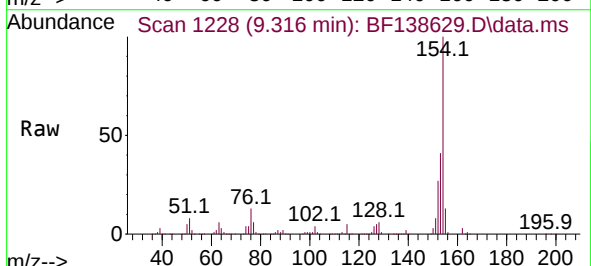
Tgt Ion:172 Resp: 63915  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.9 43.3  
170 23.7 18.9 28.3

Manual Integrations  
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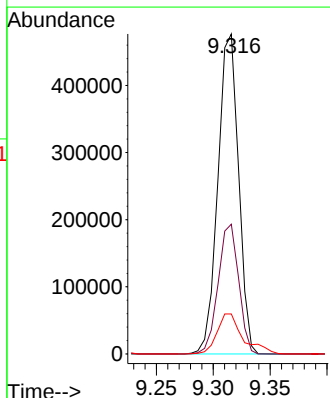
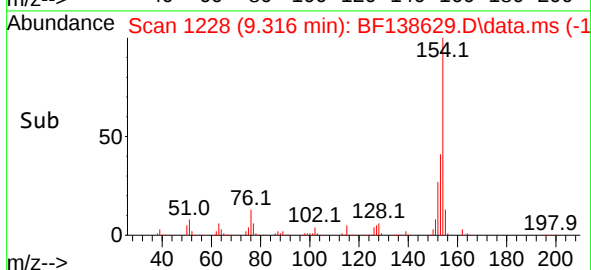
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024

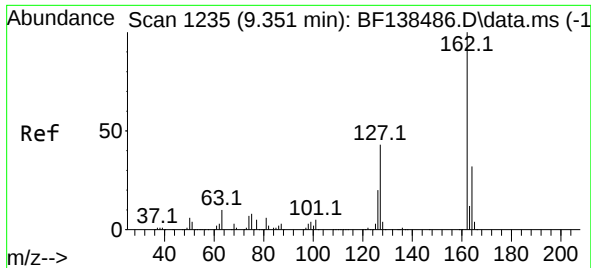


#46  
1,1'-Biphenyl  
Concen: 46.104 ng  
RT: 9.316 min Scan# 1228  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion:154 Resp: 603790  
Ion Ratio Lower Upper  
154 100  
153 40.6 20.7 60.7  
76 12.5 0.0 32.2





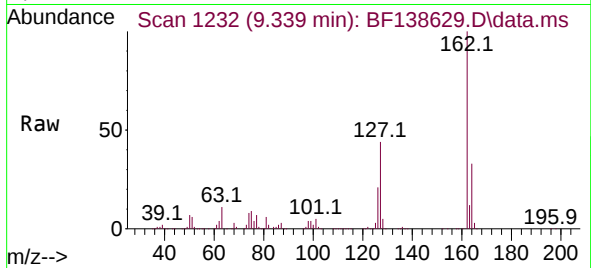
#47  
2-Chloronaphthalene  
Concen: 47.644 ng  
RT: 9.339 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

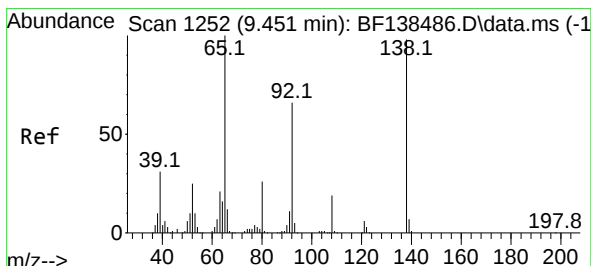
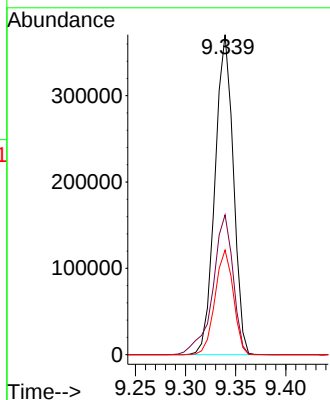
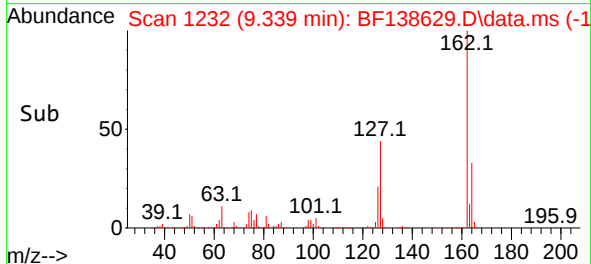


Tgt Ion:162 Resp: 471374  
Ion Ratio Lower Upper  
162 100  
127 43.7 34.8 52.2  
164 32.7 25.6 38.4

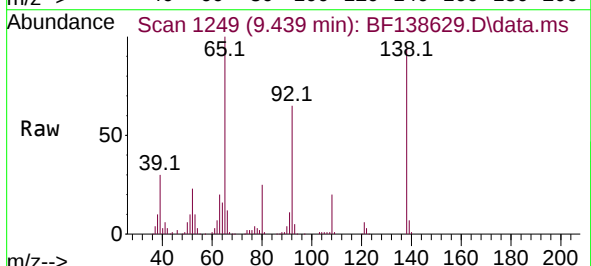
Manual Integrations

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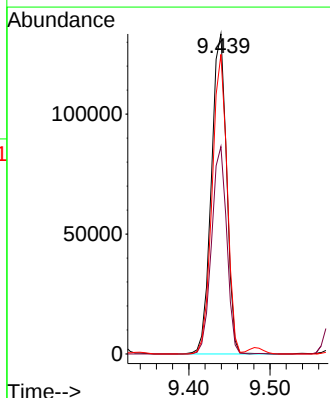
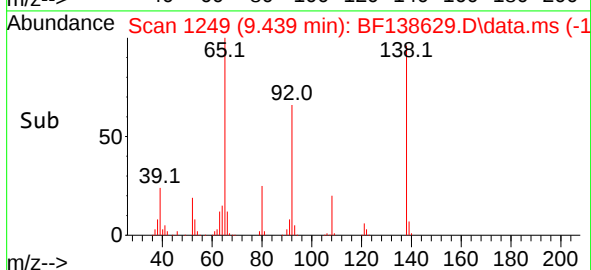
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#48  
2-Nitroaniline  
Concen: 50.897 ng  
RT: 9.439 min Scan# 1249  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion: 65 Resp: 174497  
Ion Ratio Lower Upper  
65 100  
92 64.8 52.6 78.8  
138 93.6 78.6 118.0





#49  
Acenaphthylene  
Concen: 51.218 ng  
RT: 9.757 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

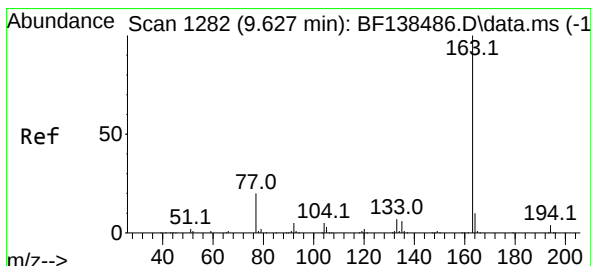
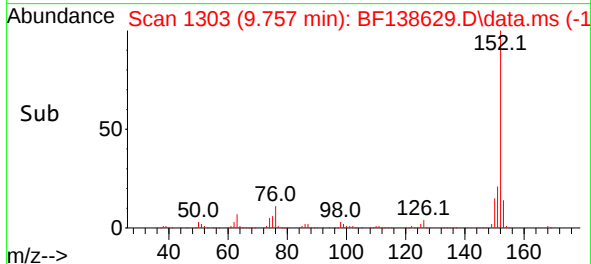
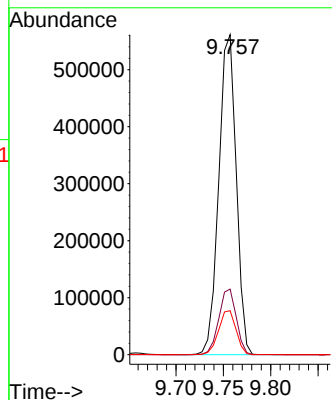
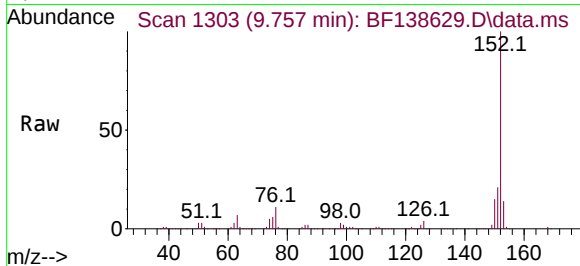
VNJ206MSD

Tgt Ion:152 Resp: 719448  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.3 24.5  
153 13.8 11.3 16.9

Manual Integrations

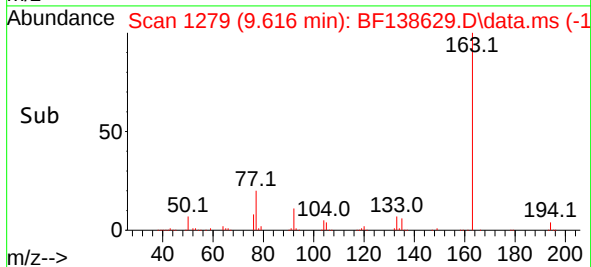
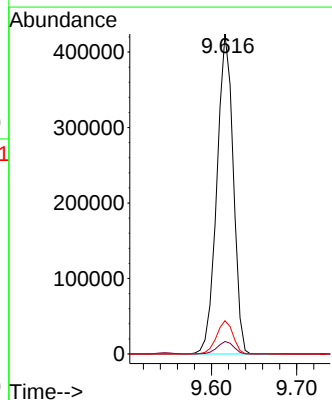
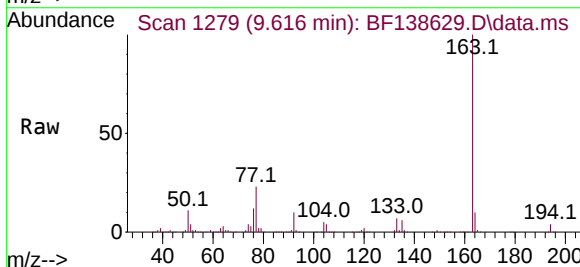
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Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#50  
Dimethylphthalate  
Concen: 50.663 ng  
RT: 9.616 min Scan# 1279  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

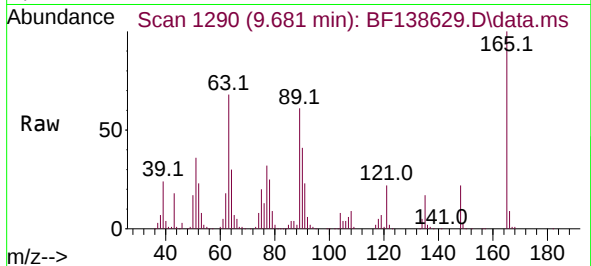
Tgt Ion:163 Resp: 566120  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.0 4.6  
164 10.4 8.1 12.1





#51  
2,6-Dinitrotoluene  
Concen: 46.873 ng  
RT: 9.681 min Scan# 1293  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

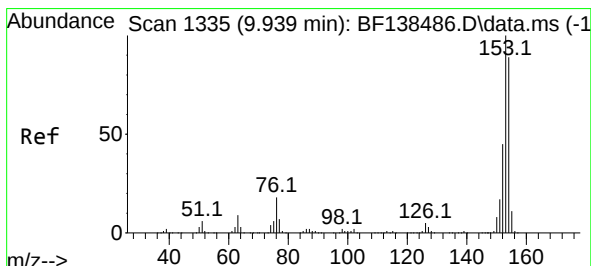
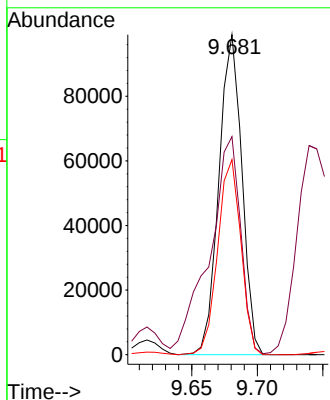
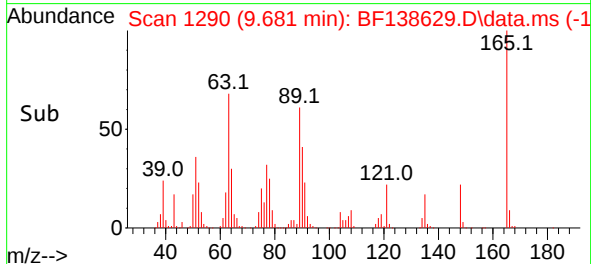
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



Tgt Ion:165 Resp: 120598  
Ion Ratio Lower Upper  
165 100  
63 68.2 48.1 72.1  
89 61.0 43.0 64.6

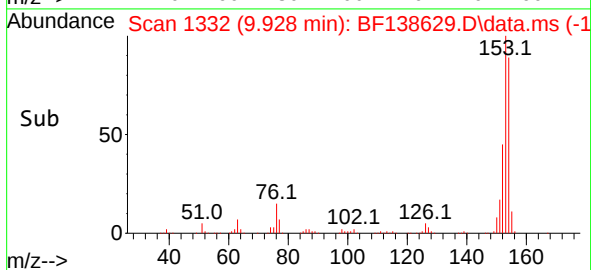
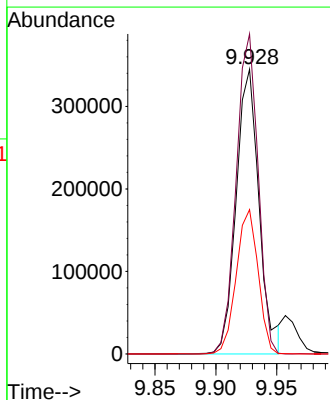
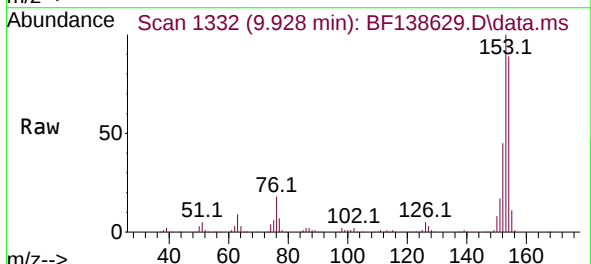
Manual Integrations  
APPROVED

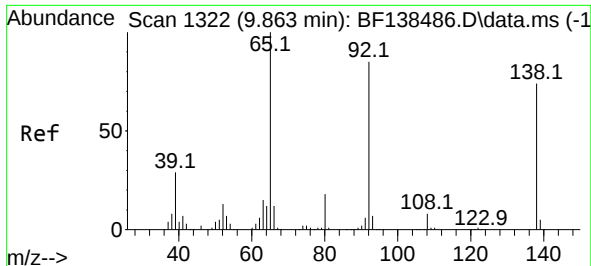
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#52  
Acenaphthene  
Concen: 48.446 ng  
RT: 9.928 min Scan# 1332  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion:154 Resp: 452347  
Ion Ratio Lower Upper  
154 100  
153 112.4 90.4 135.6  
152 50.7 41.1 61.7





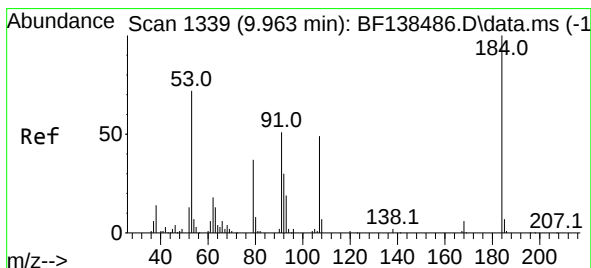
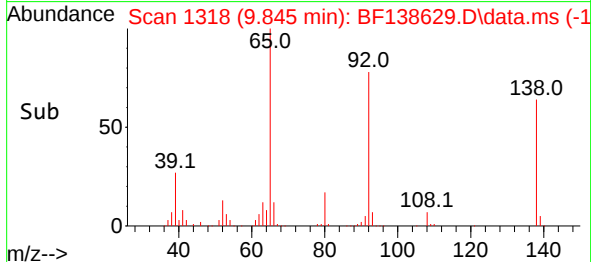
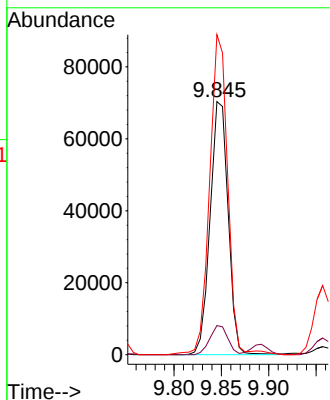
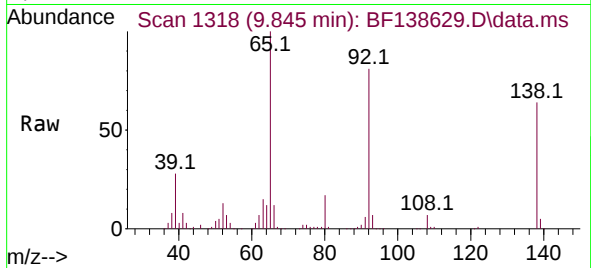
#53  
3-Nitroaniline  
Concen: 35.260 ng  
RT: 9.845 min Scan# 1318  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD

Tgt Ion:138 Resp: 92979  
Ion Ratio Lower Upper  
138 100  
108 11.5 8.3 12.5  
92 126.4 92.6 138.8

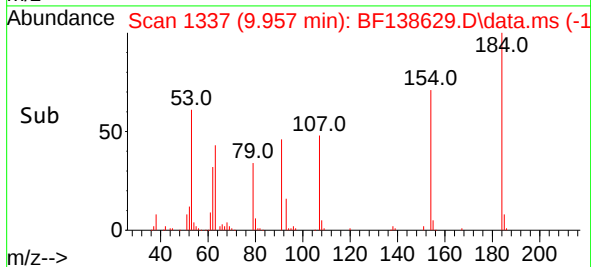
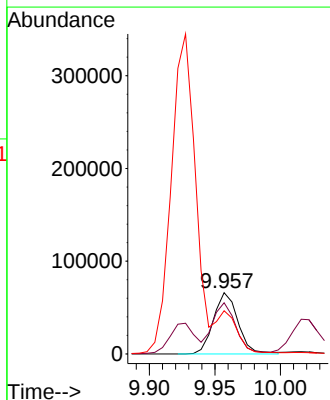
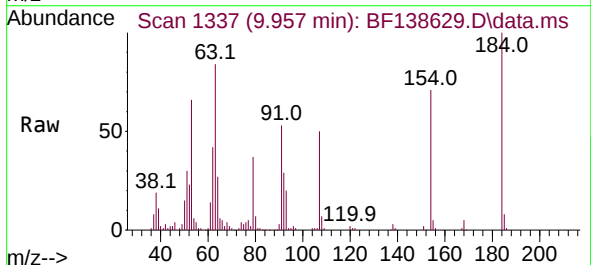
Manual Integrations  
APPROVED

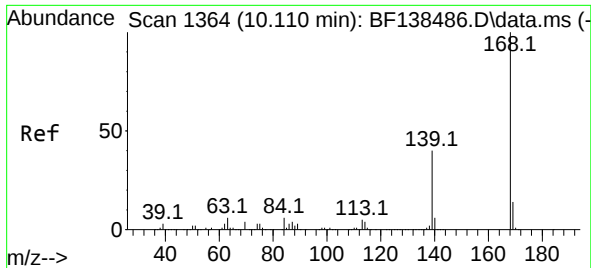
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#54  
2,4-Dinitrophenol  
Concen: 63.386 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion:184 Resp: 86102  
Ion Ratio Lower Upper  
184 100  
63 83.6 70.6 106.0  
154 70.6 53.8 80.6





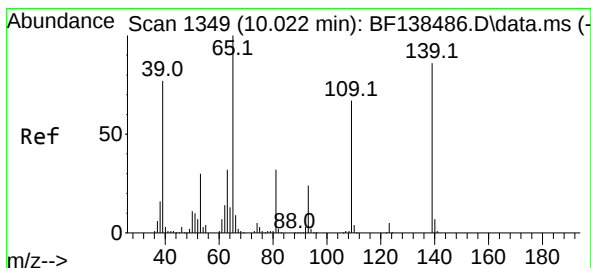
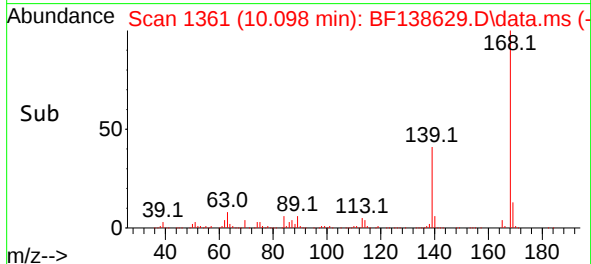
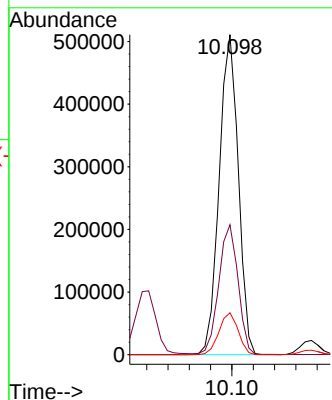
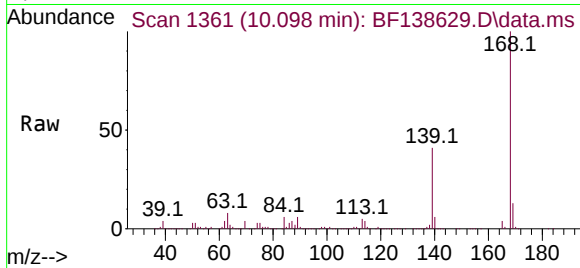
#55  
Dibenzenofuran  
Concen: 46.847 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD

Tgt Ion:168 Resp: 634449  
Ion Ratio Lower Upper  
168 100  
139 40.6 32.4 48.6  
169 13.1 10.9 16.3

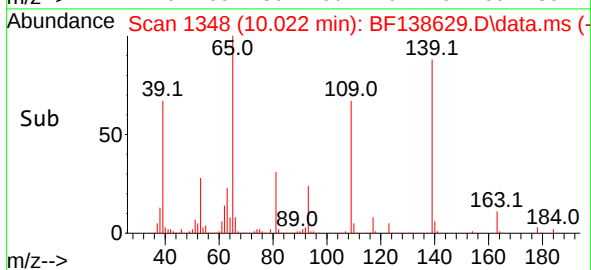
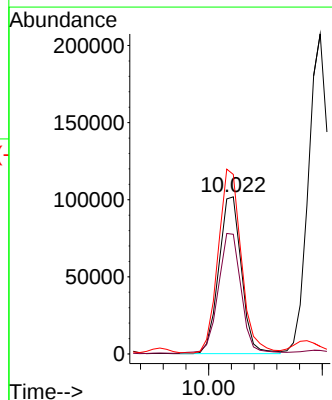
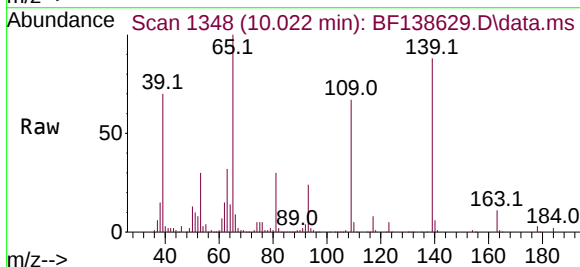
Manual Integrations  
APPROVED

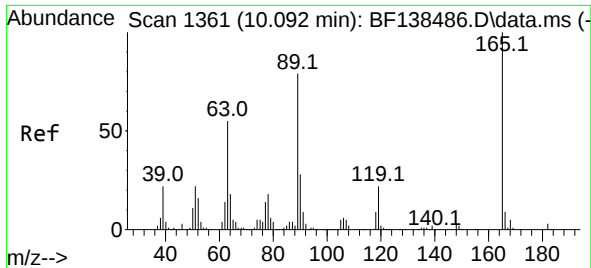
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#56  
4-Nitrophenol  
Concen: 72.457 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion:139 Resp: 140979  
Ion Ratio Lower Upper  
139 100  
109 76.2 58.1 98.1  
65 114.2 96.9 136.9





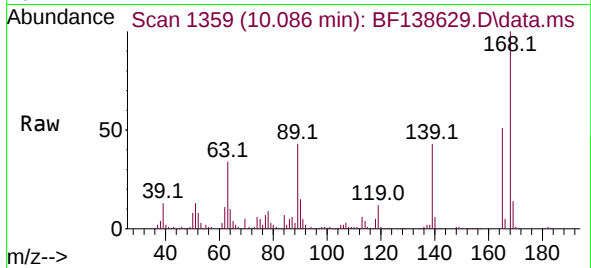
#57  
2,4-Dinitrotoluene  
Concen: 44.906 ng  
RT: 10.086 min Scan# 1419  
Delta R.T. -0.006 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

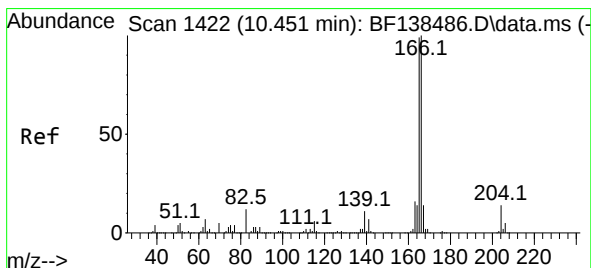
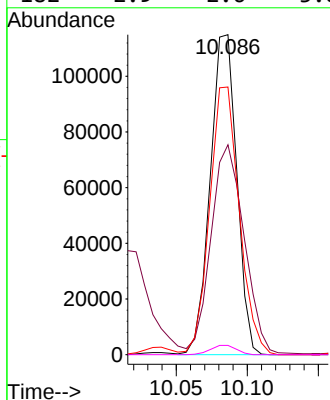
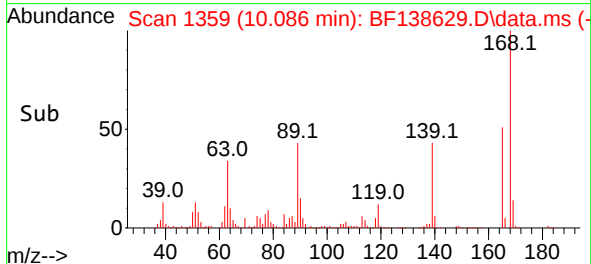


Tgt Ion:165 Resp: 14948  
Ion Ratio Lower Upper  
165 100  
63 65.6 44.6 66.8  
89 83.7 63.4 95.2  
182 2.9 2.6 3.8

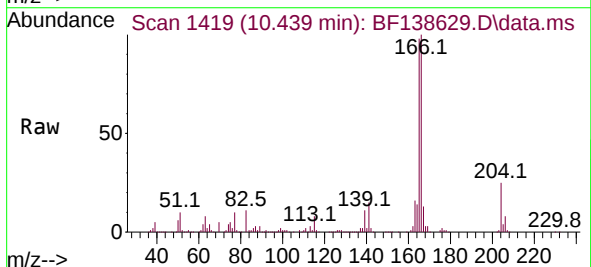
Manual Integrations

APPROVED

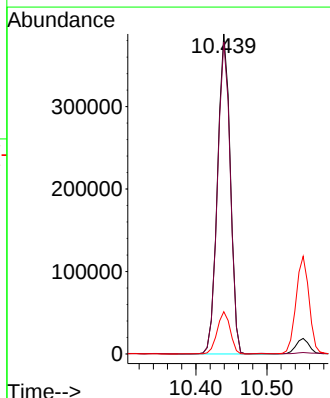
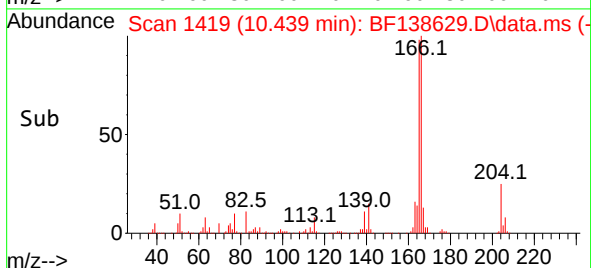
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024

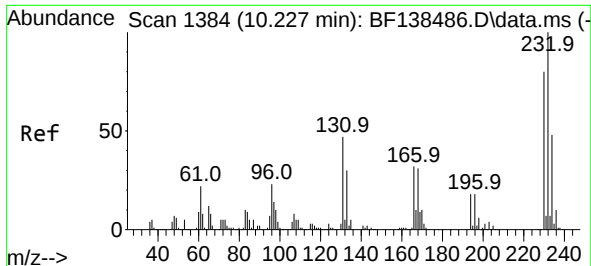


#58  
Fluorene  
Concen: 45.107 ng  
RT: 10.439 min Scan# 1419  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



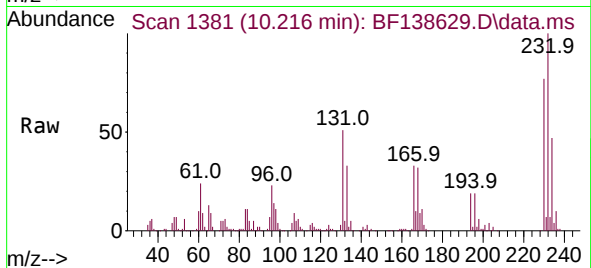
Tgt Ion:166 Resp: 483369  
Ion Ratio Lower Upper  
166 100  
165 97.5 79.1 118.7  
167 13.2 11.0 16.6





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.102 ng  
RT: 10.216 min Scan# 1381  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

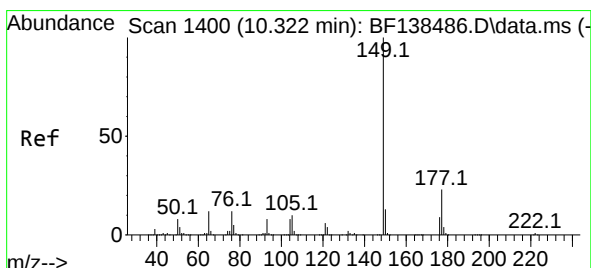
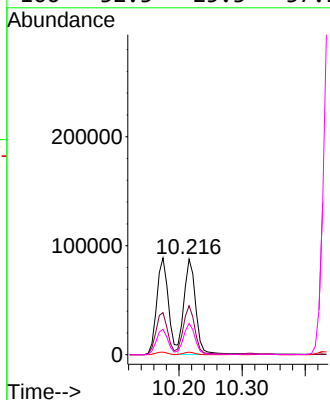
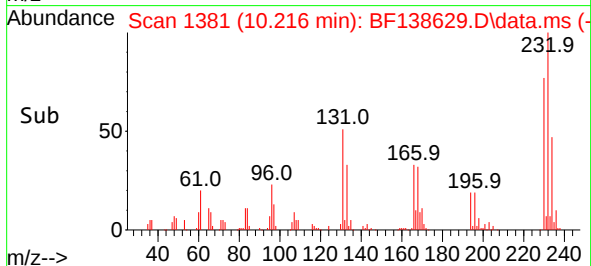
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



Tgt Ion:232 Resp: 112270  
Ion Ratio Lower Upper  
232 100  
131 50.6 37.5 56.3  
130 2.6 2.0 3.0  
166 32.3 25.3 37.9

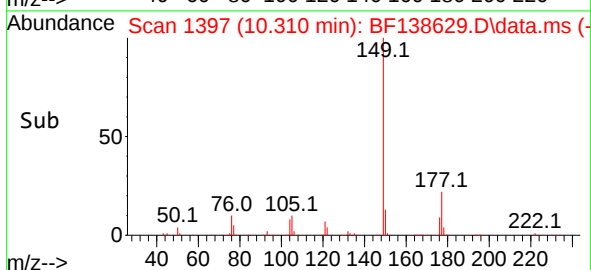
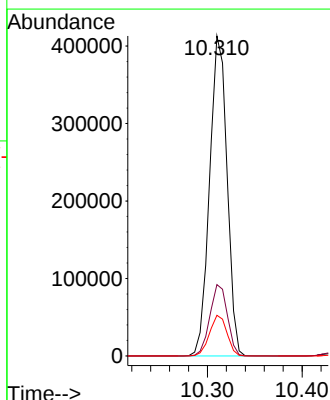
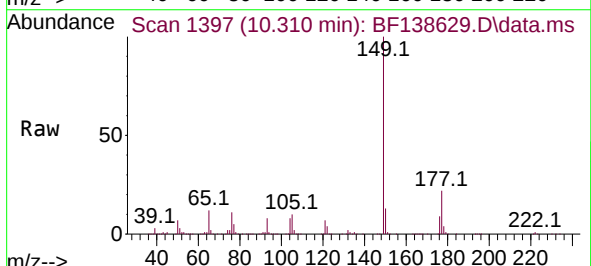
Manual Integrations  
APPROVED

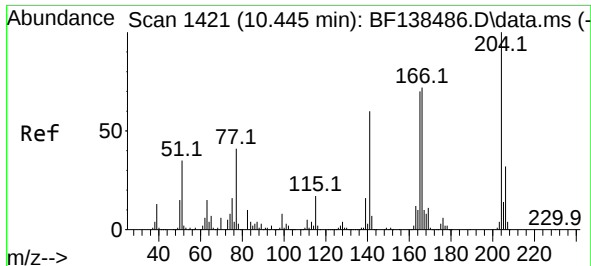
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#60  
Diethylphthalate  
Concen: 48.984 ng  
RT: 10.310 min Scan# 1397  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

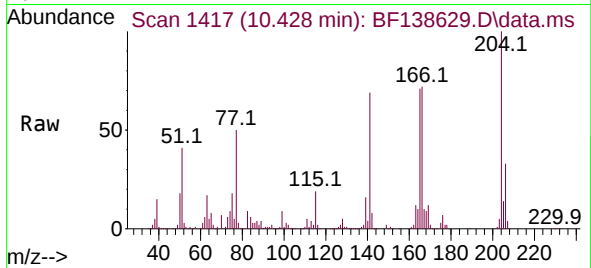
Tgt Ion:149 Resp: 527672  
Ion Ratio Lower Upper  
149 100  
177 22.3 18.5 27.7  
150 12.7 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 44.486 ng  
RT: 10.428 min Scan# 1417  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

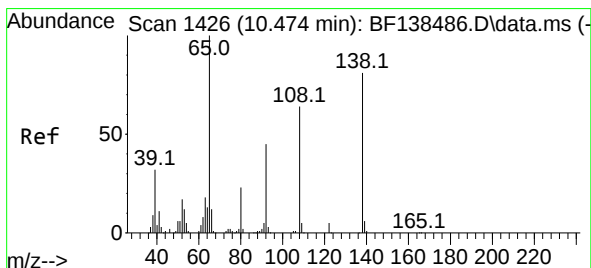
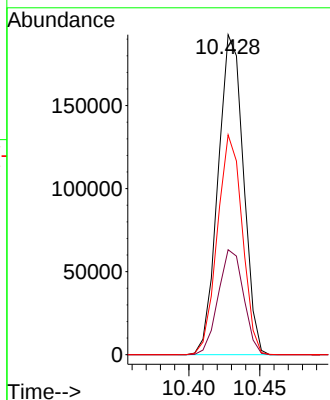
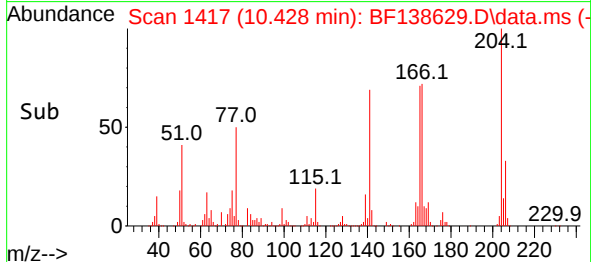
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



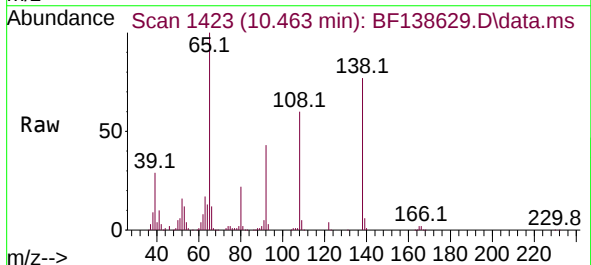
Tgt Ion:204 Resp: 23937  
Ion Ratio Lower Upper  
204 100  
206 32.8 25.6 38.4  
141 68.7 47.7 71.5

Manual Integrations  
APPROVED

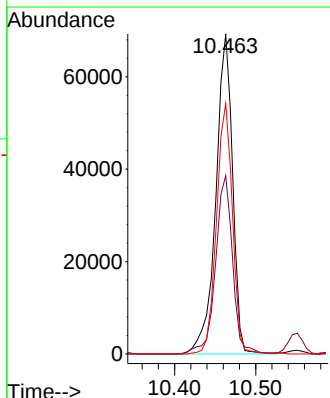
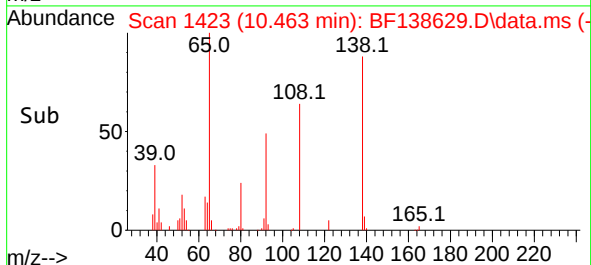
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024

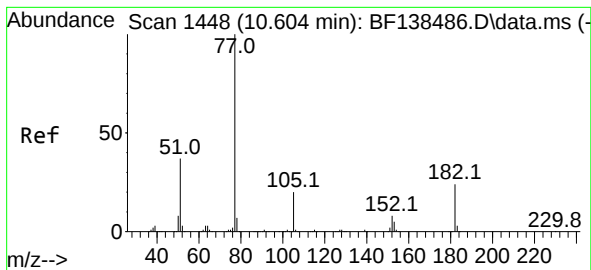


#62  
4-Nitroaniline  
Concen: 37.756 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion:138 Resp: 99768  
Ion Ratio Lower Upper  
138 100  
92 55.7 35.8 75.8  
108 78.3 59.8 99.8





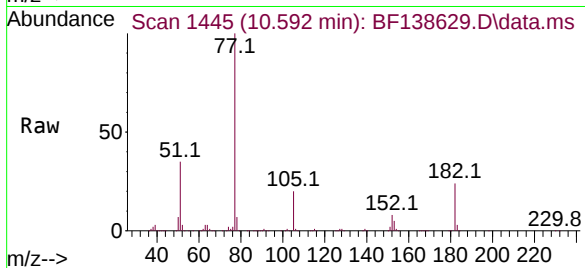
#63  
Azobenzene  
Concen: 47.319 ng  
RT: 10.592 min Scan# 1445  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

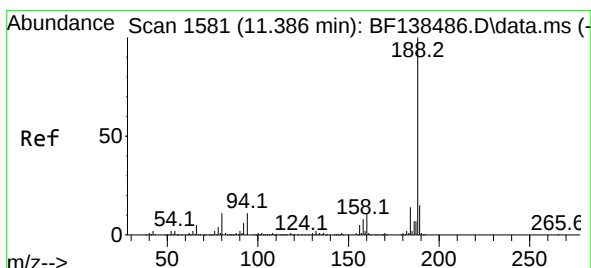
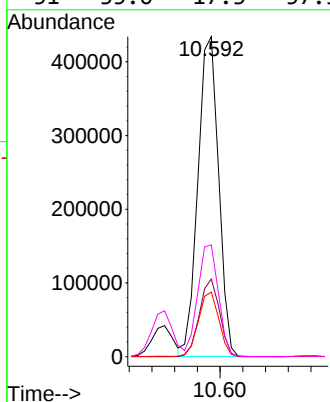
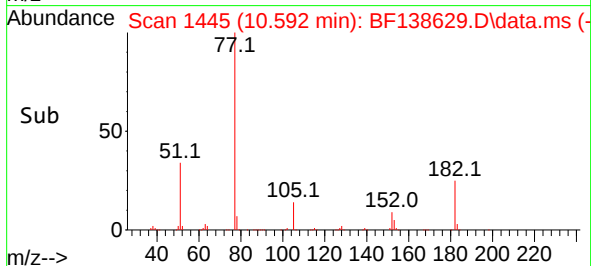


Tgt Ion: 77 Resp: 548038  
Ion Ratio Lower Upper  
77 100  
182 24.3 3.8 43.8  
105 20.2 0.0 39.8  
51 35.0 17.3 57.3

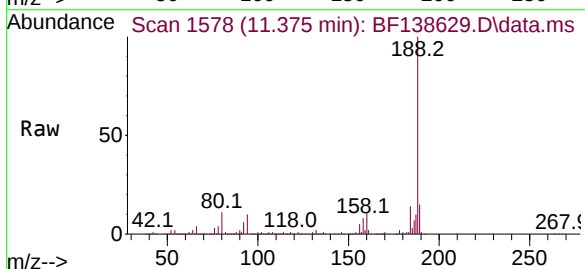
Manual Integrations

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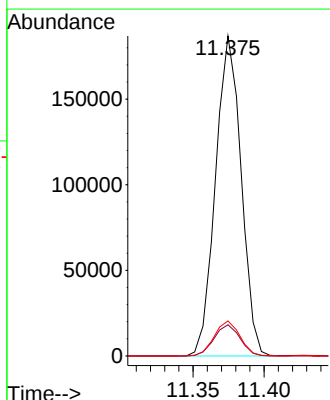
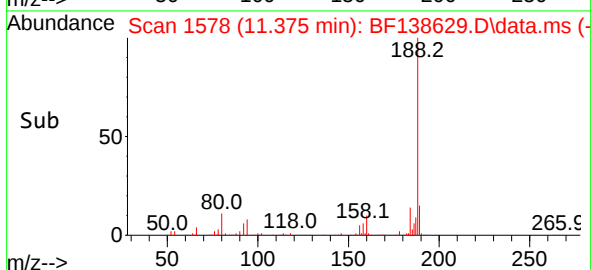
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024

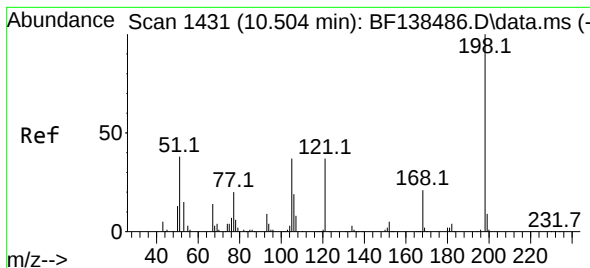


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.375 min Scan# 1578  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion:188 Resp: 234304  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.7 13.1  
80 10.9 9.0 13.4





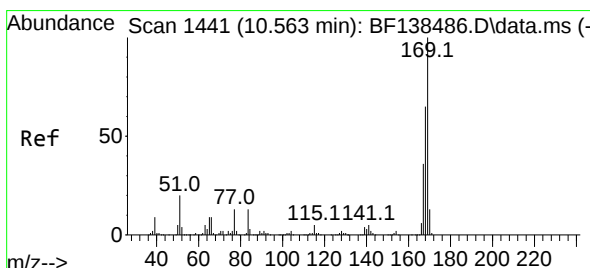
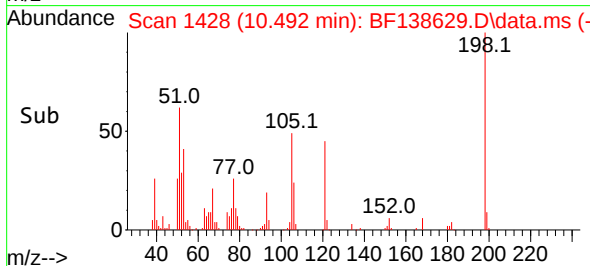
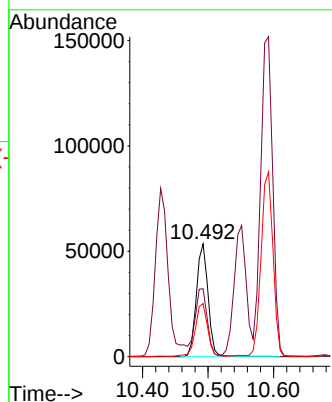
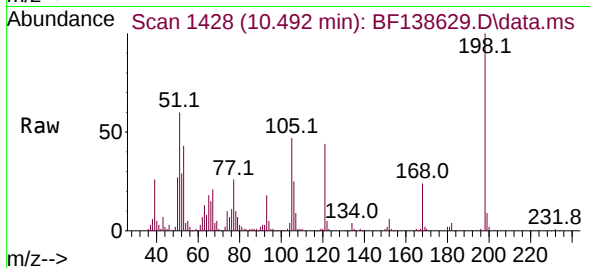
#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.233 ng  
RT: 10.492 min Scan# 1431  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD

Tgt Ion:198 Resp: 6660  
Ion Ratio Lower Upper  
198 100  
51 60.3 27.2 67.2  
105 47.0 18.5 58.5

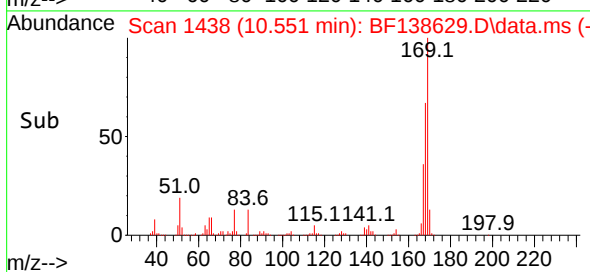
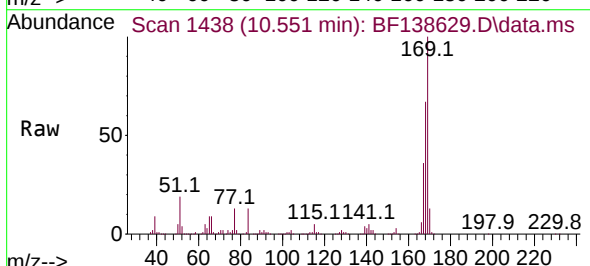
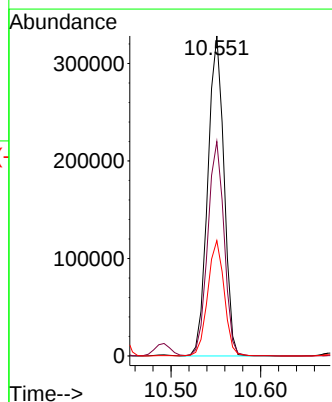
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#66  
n-Nitrosodiphenylamine  
Concen: 58.624 ng  
RT: 10.551 min Scan# 1438  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

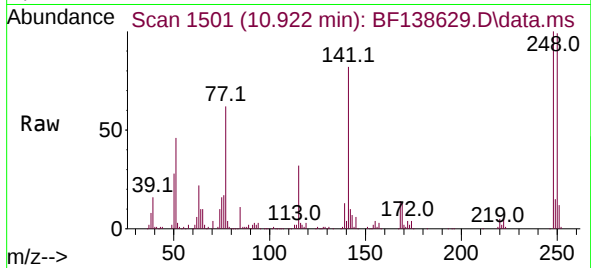
Tgt Ion:169 Resp: 411536  
Ion Ratio Lower Upper  
169 100  
168 67.0 51.7 77.5  
167 36.1 28.5 42.7





#67  
4-Bromophenyl-phenylether  
Concen: 54.360 ng  
RT: 10.922 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

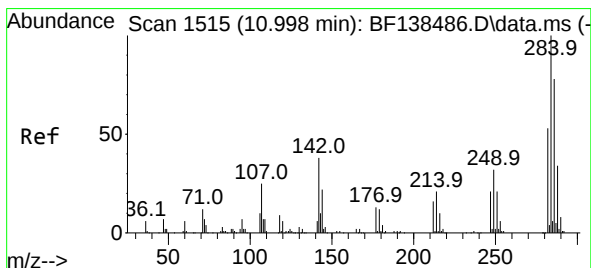
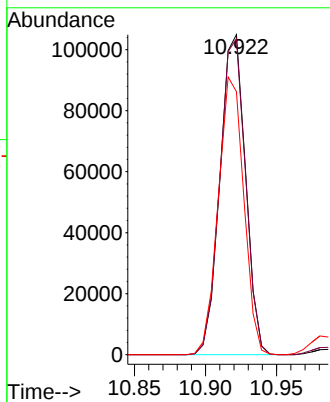
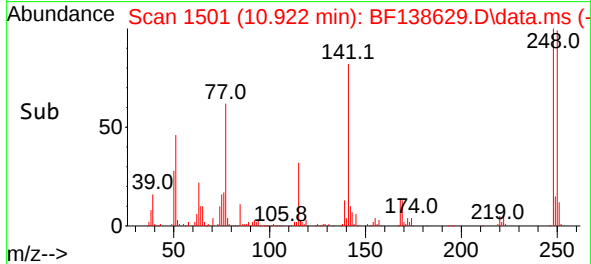
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



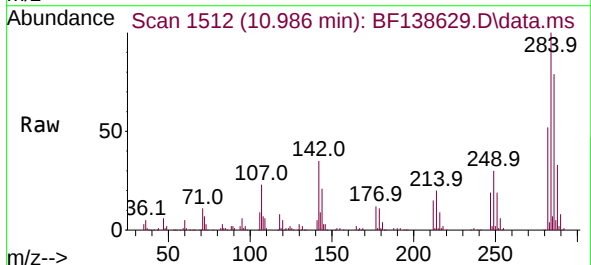
Tgt Ion:248 Resp: 13091  
Ion Ratio Lower Upper  
248 100  
250 98.8 77.9 116.9  
141 82.2 67.7 101.5

Manual Integrations  
APPROVED

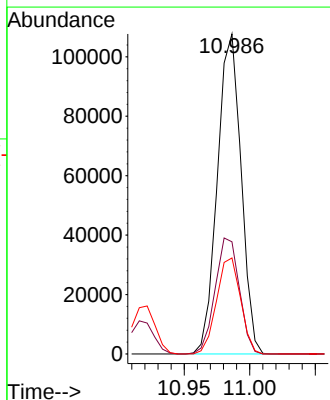
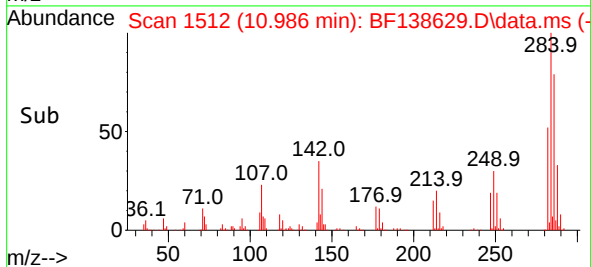
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#68  
Hexachlorobenzene  
Concen: 50.582 ng  
RT: 10.986 min Scan# 1512  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion:284 Resp: 135325  
Ion Ratio Lower Upper  
284 100  
142 35.1 30.5 45.7  
249 30.0 25.9 38.9





#69

Atrazine

Concen: 49.043 ng

RT: 11.075 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

Tgt Ion:200 Resp: 11414

Ion Ratio Lower Upper

200 100

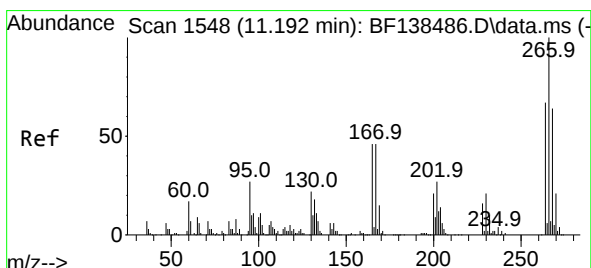
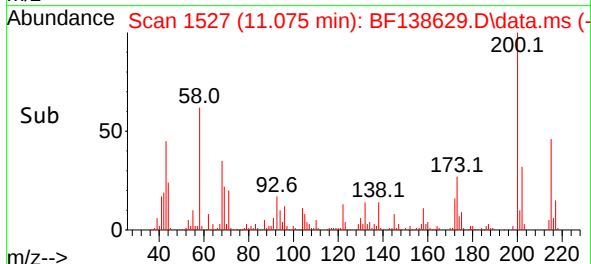
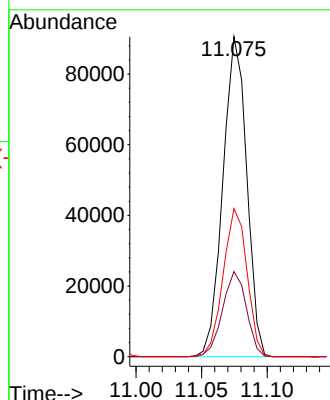
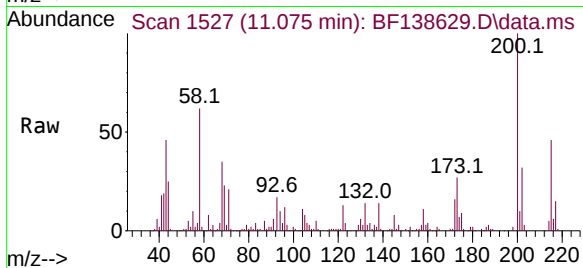
173 26.6 4.1 44.1

215 46.3 26.5 66.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#70

Pentachlorophenol

Concen: 76.666 ng

RT: 11.180 min Scan# 1545

Delta R.T. -0.012 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

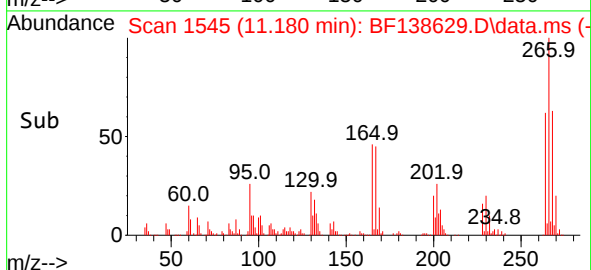
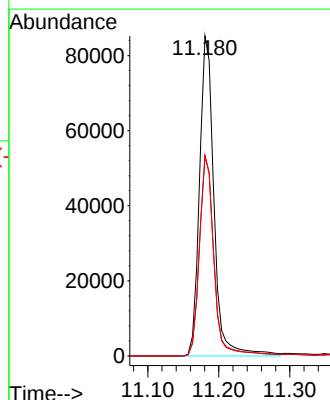
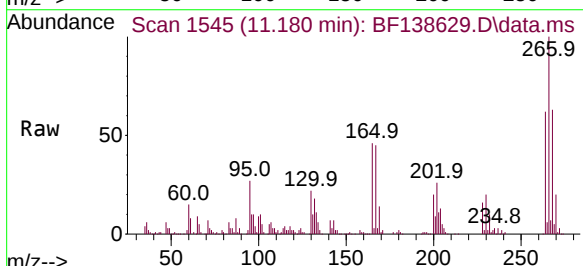
Tgt Ion:266 Resp: 121367

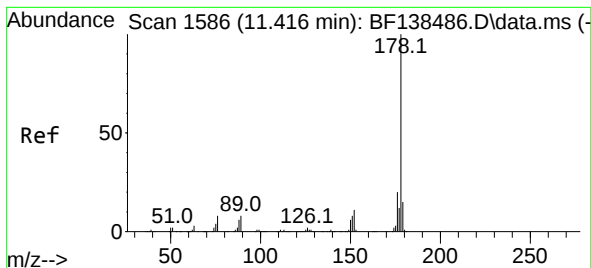
Ion Ratio Lower Upper

266 100

268 62.6 50.9 76.3

264 62.3 53.5 80.3





#71

Phenanthrene

Concen: 52.818 ng

RT: 11.398 min Scan# 1586

Delta R.T. -0.017 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

Tgt Ion:178 Resp: 625219

Ion Ratio Lower Upper

178 100

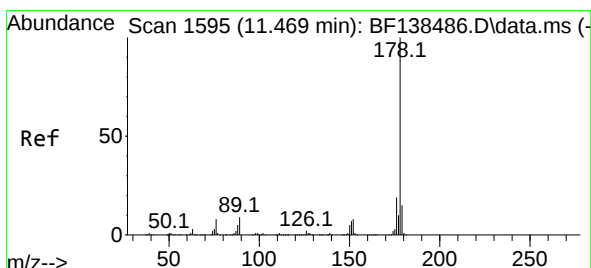
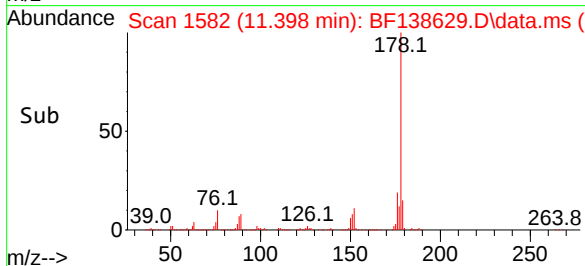
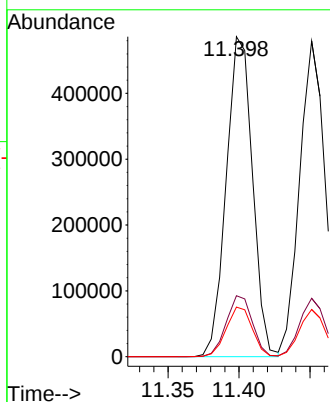
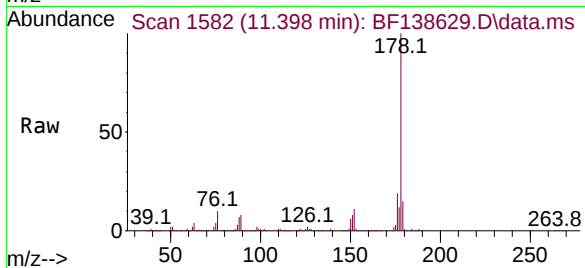
176 19.0 15.7 23.5

179 15.5 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#72

Anthracene

Concen: 50.388 ng

RT: 11.451 min Scan# 1591

Delta R.T. -0.017 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

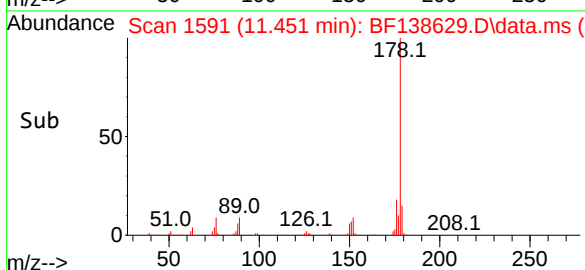
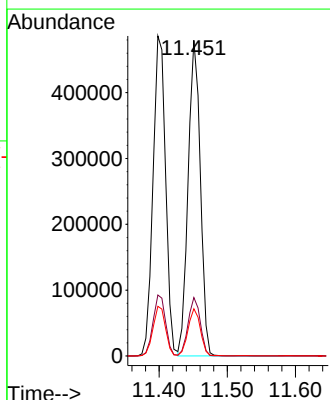
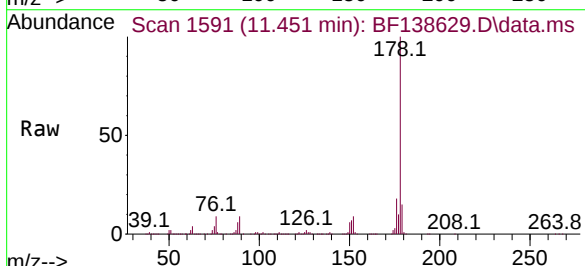
Tgt Ion:178 Resp: 592080

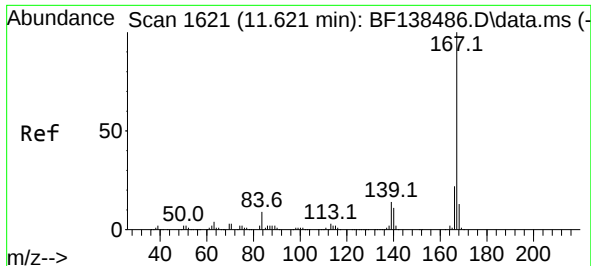
Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

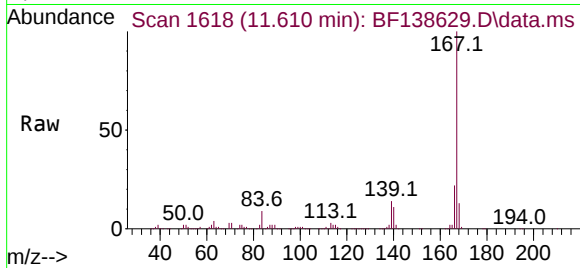
179 14.9 12.2 18.4





#73  
 Carbazole  
 Concen: 44.568 ng  
 RT: 11.610 min Scan# 1618  
 Delta R.T. -0.012 min  
 Lab File: BF138629.D  
 Acq: 23 Jul 2024 20:38

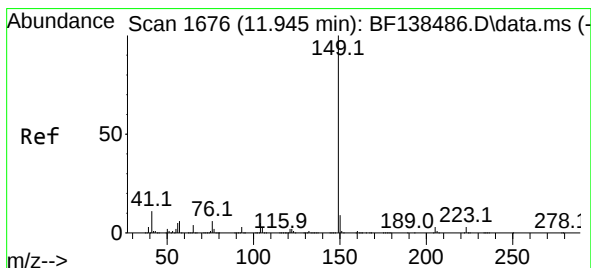
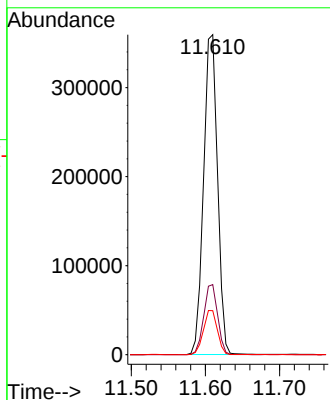
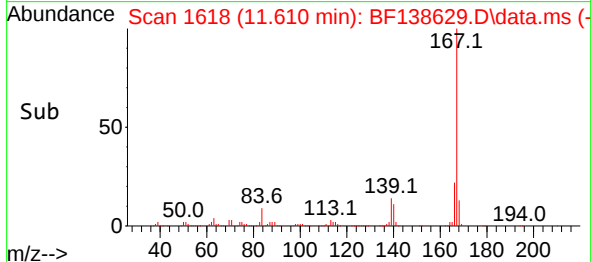
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ206MSD



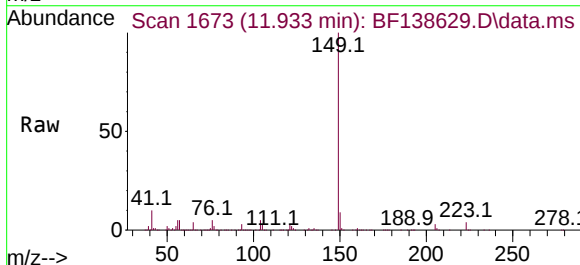
Tgt Ion:167 Resp: 470629  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.8 26.6  
 139 13.7 11.0 16.4

Manual Integrations  
 APPROVED

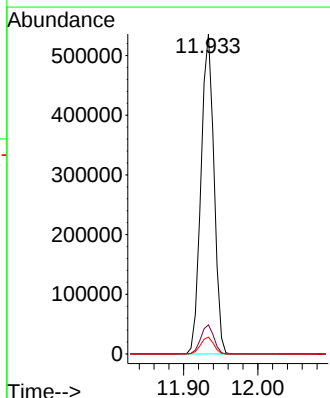
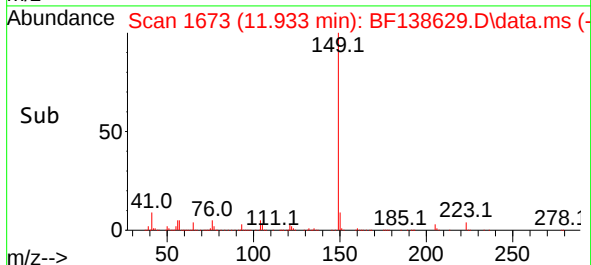
Reviewed By :Jagrut Upadhyay 07/24/2024  
 Supervised By :mohammad ahmed 07/30/2024

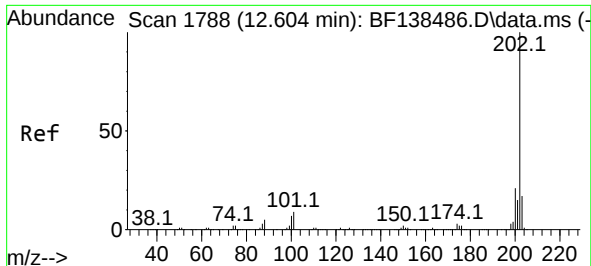


#74  
 Di-n-butylphthalate  
 Concen: 53.641 ng  
 RT: 11.933 min Scan# 1673  
 Delta R.T. -0.012 min  
 Lab File: BF138629.D  
 Acq: 23 Jul 2024 20:38



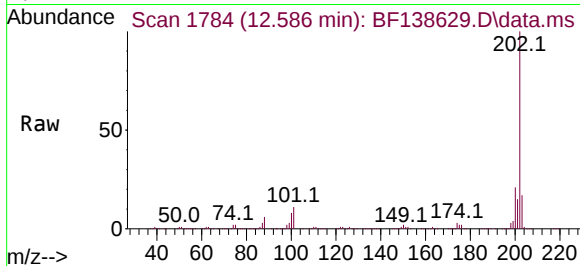
Tgt Ion:149 Resp: 652907  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.0  
 104 5.3 4.4 6.6





#75  
Fluoranthene  
Concen: 47.595 ng  
RT: 12.586 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

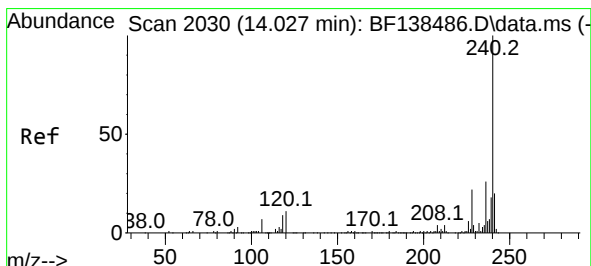
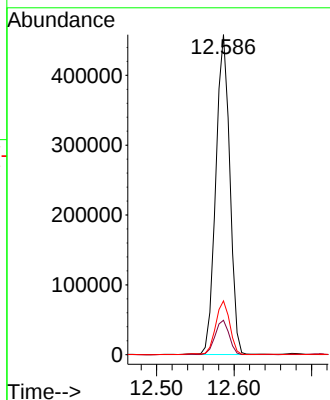
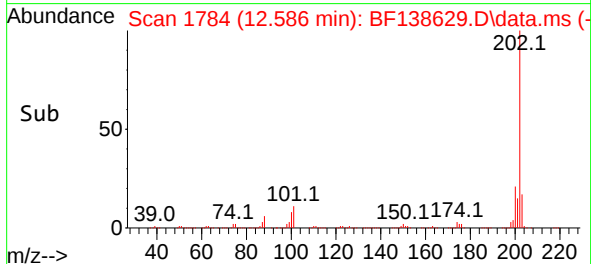
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



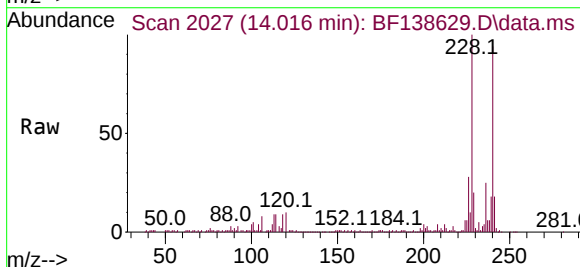
Tgt Ion:202 Resp: 574880  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 29.2  
203 16.8 0.0 37.3

Manual Integrations  
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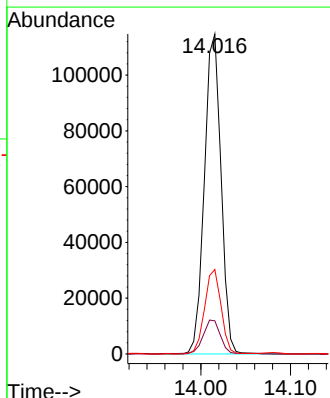
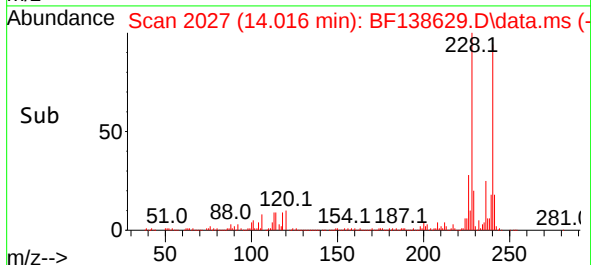
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024

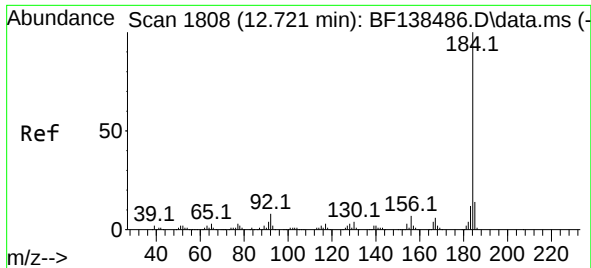


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.016 min Scan# 2027  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion:240 Resp: 147778  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.6 12.8  
236 26.4 21.0 31.6





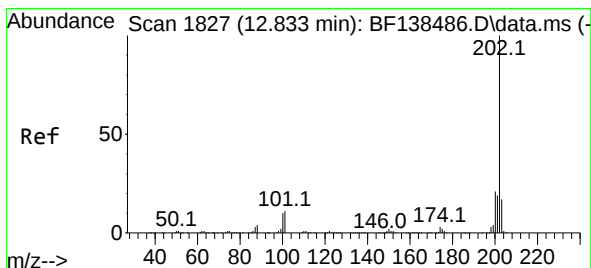
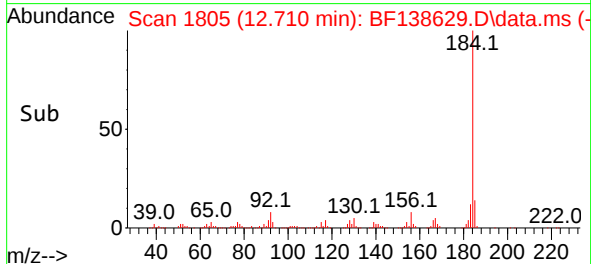
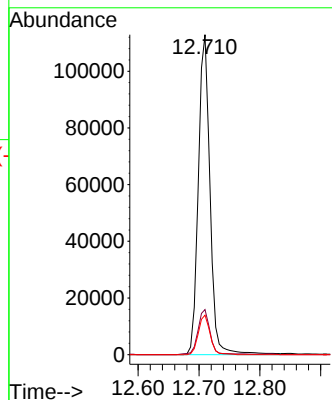
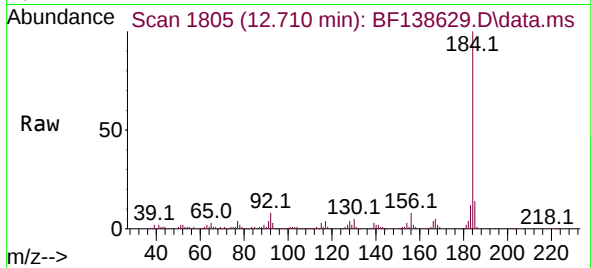
#77  
Benzidine  
Concen: 40.384 ng  
RT: 12.710 min Scan# 1805  
Delta R.T. -0.011 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD

Tgt Ion:184 Resp: 150569  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.3 16.9  
183 12.4 9.5 14.3

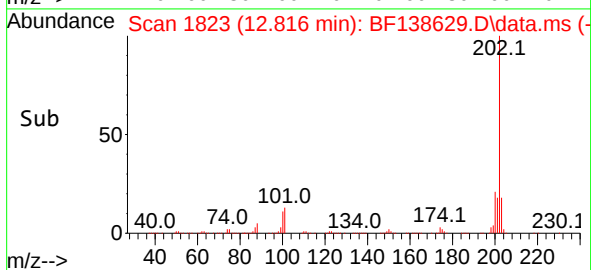
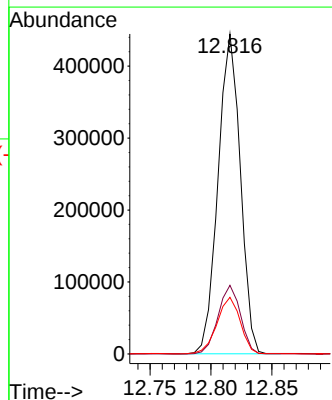
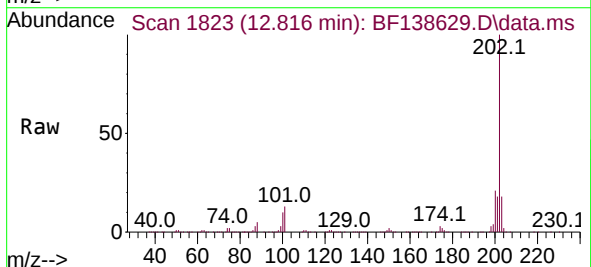
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#78  
Pyrene  
Concen: 37.738 ng  
RT: 12.816 min Scan# 1823  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

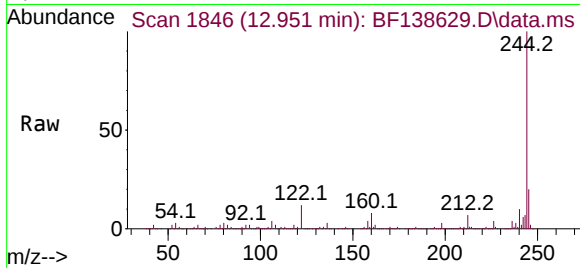
Tgt Ion:202 Resp: 566132  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.0 25.6  
203 17.7 13.7 20.5





#79  
Terphenyl-d14  
Concen: 48.352 ng  
RT: 12.951 min Scan# 1846  
Delta R.T. -0.023 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

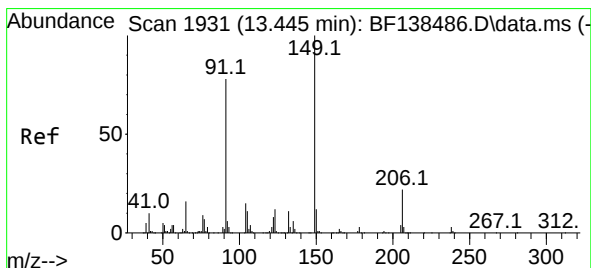
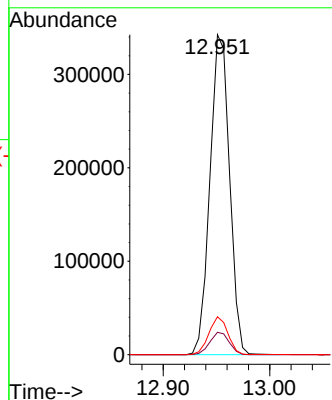
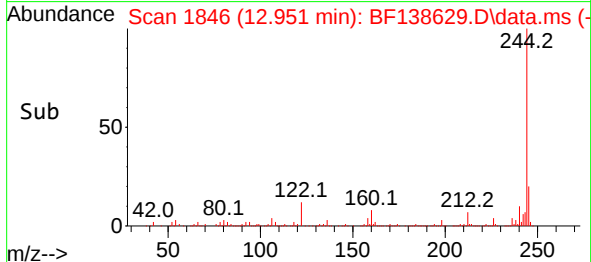
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



Tgt Ion:244 Resp: 43860  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.5 8.3  
122 11.8 7.8 11.8

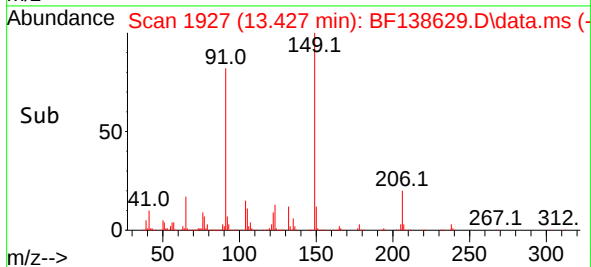
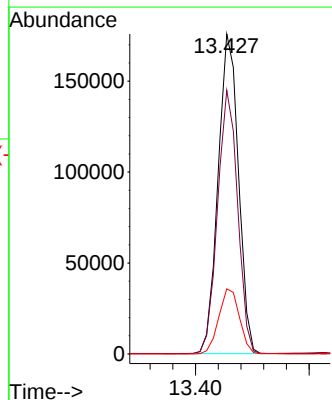
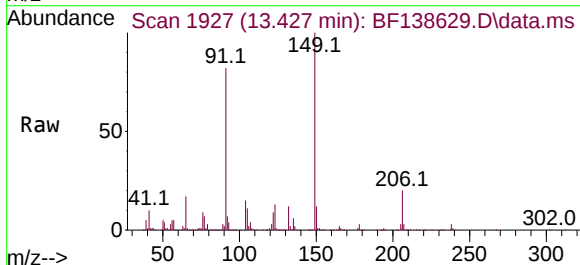
Manual Integrations  
APPROVED

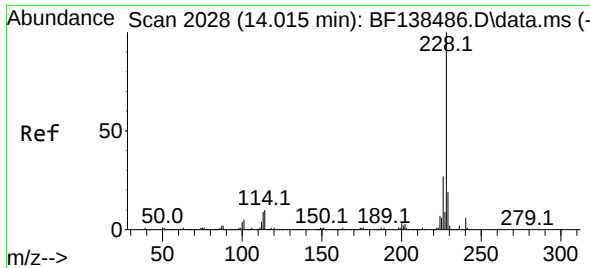
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#80  
Butylbenzylphthalate  
Concen: 48.500 ng  
RT: 13.427 min Scan# 1927  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Tgt Ion:149 Resp: 218869  
Ion Ratio Lower Upper  
149 100  
91 82.4 62.1 93.1  
206 20.3 18.0 27.0





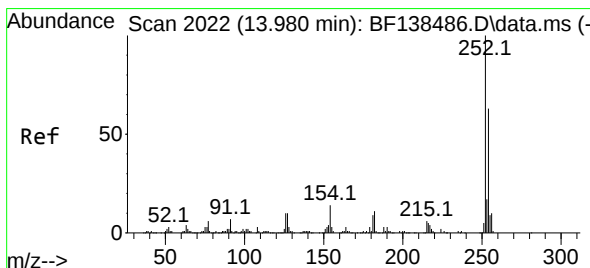
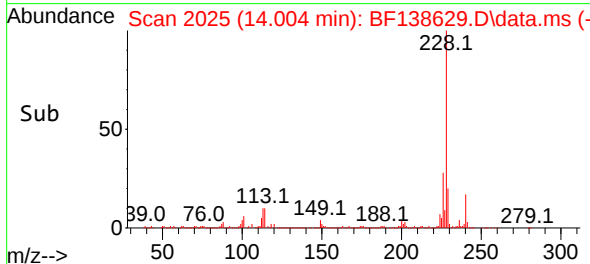
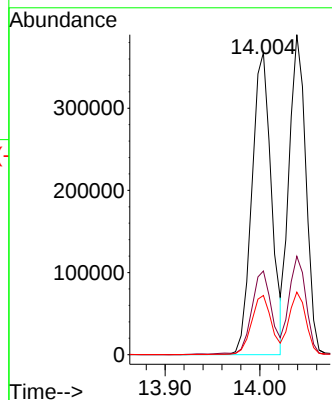
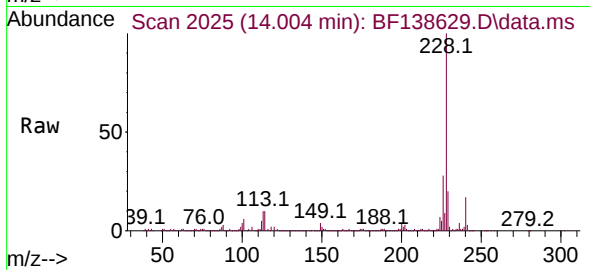
#81  
Benzo(a)anthracene  
Concen: 53.194 ng  
RT: 14.004 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD

Tgt Ion:228 Resp: 527464  
Ion Ratio Lower Upper  
228 100  
226 27.7 21.9 32.9  
229 19.6 15.5 23.3

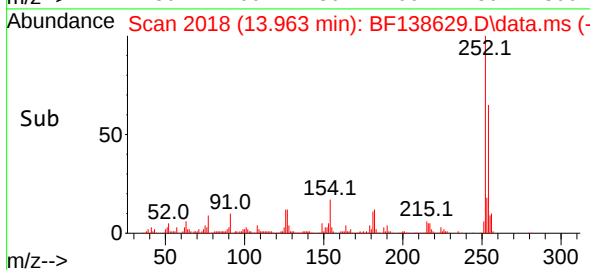
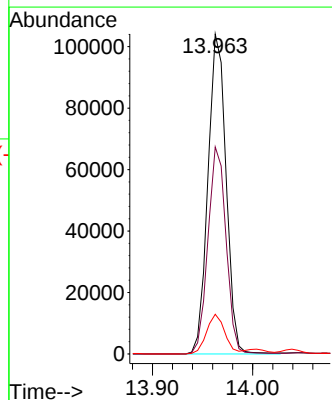
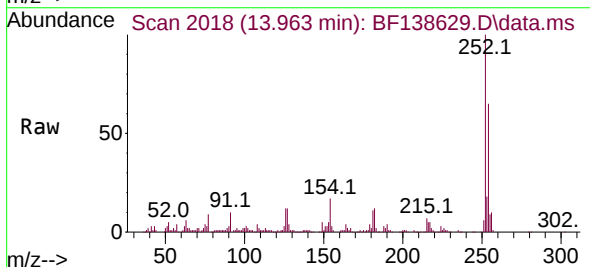
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APPROVED

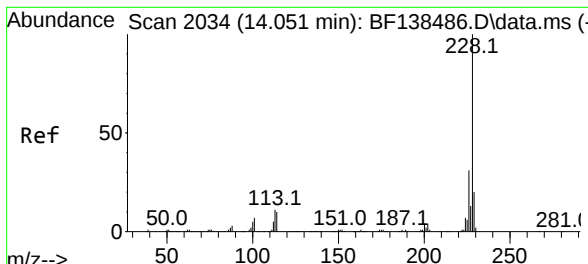
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 51.408 ng  
RT: 13.963 min Scan# 2018  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

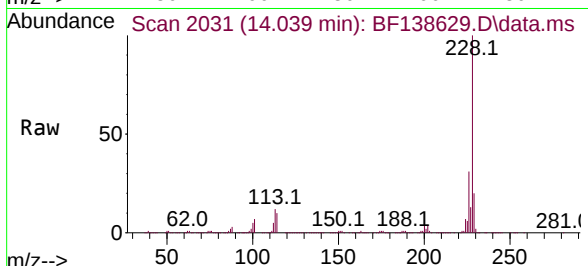
Tgt Ion:252 Resp: 131351  
Ion Ratio Lower Upper  
252 100  
254 64.7 50.3 75.5  
126 12.4 8.1 12.1#





#83  
 Chrysene  
 Concen: 50.881 ng  
 RT: 14.039 min Scan# 2031  
 Delta R.T. -0.012 min  
 Lab File: BF138629.D  
 Acq: 23 Jul 2024 20:38

Instrument : BNA\_F  
 ClientSampleId : VNJ206MSD

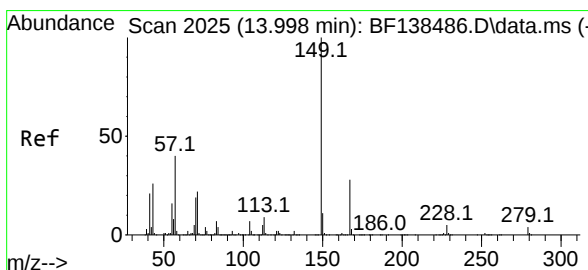
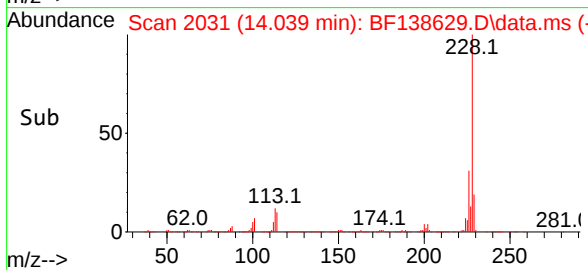
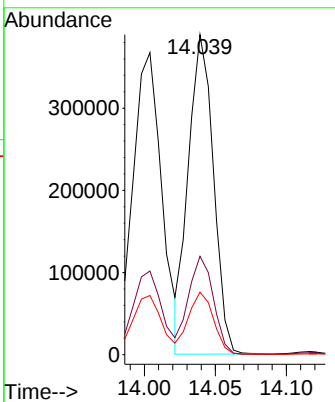


Tgt Ion: 228 Resp: 477292

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.7  | 24.4  | 36.6  |
| 229 | 19.6  | 16.0  | 24.0  |

Manual Integrations  
 APPROVED

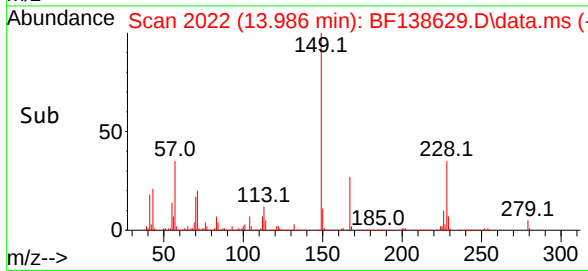
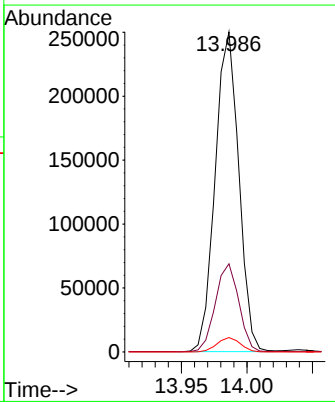
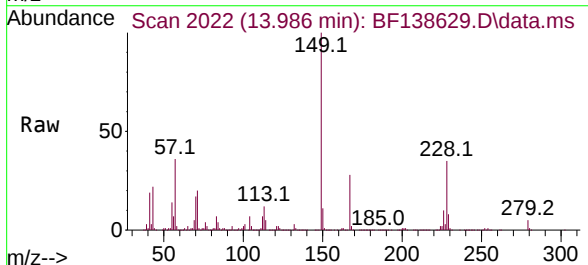
Reviewed By : Jagrut Upadhyay 07/24/2024  
 Supervised By : mohammad ahmed 07/30/2024

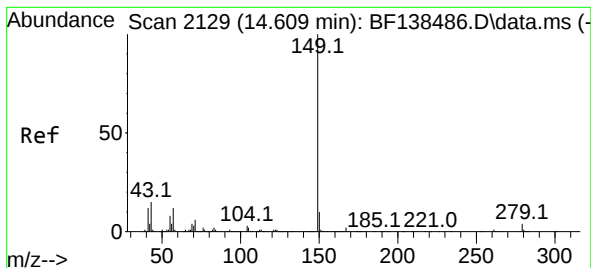


#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 64.966 ng  
 RT: 13.986 min Scan# 2022  
 Delta R.T. -0.012 min  
 Lab File: BF138629.D  
 Acq: 23 Jul 2024 20:38

Tgt Ion: 149 Resp: 312676

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.5  | 22.5  | 33.7  |
| 279 | 4.5   | 3.0   | 4.6   |





#85

Di-n-octyl phthalate

Concen: 76.934 ng

RT: 14.598 min Scan# 2126

Delta R.T. -0.011 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

Instrument :

BNA\_F

ClientSampleId :

VNJ206MSD

Tgt Ion:149 Resp: 584944

Ion Ratio Lower Upper

149 100

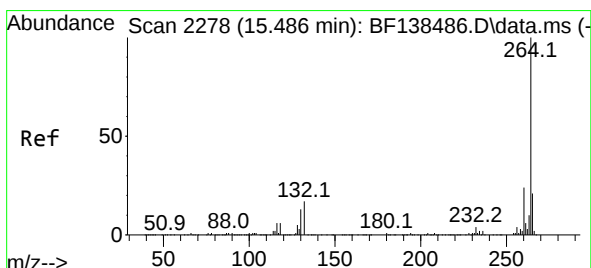
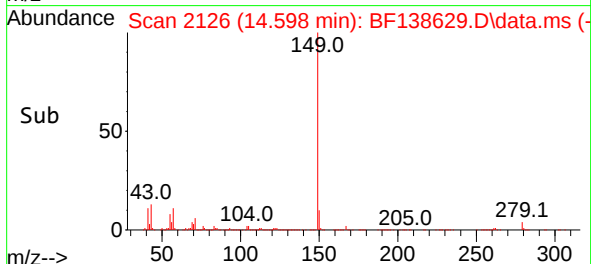
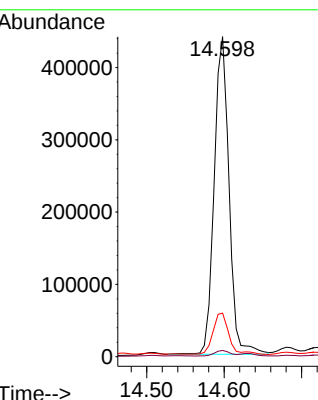
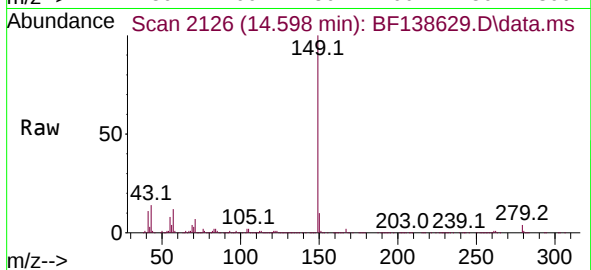
167 2.0 1.3 1.9

43 13.9 10.7 16.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.012 min

Lab File: BF138629.D

Acq: 23 Jul 2024 20:38

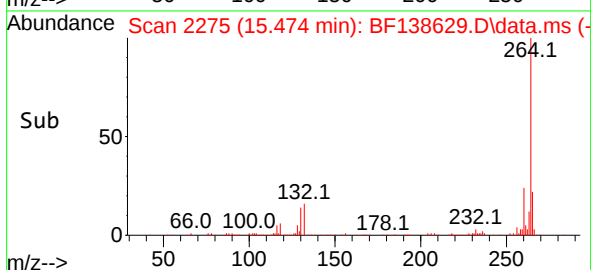
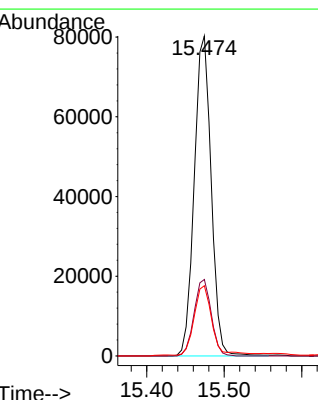
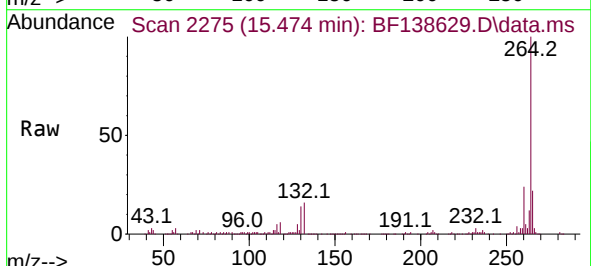
Tgt Ion:264 Resp: 121596

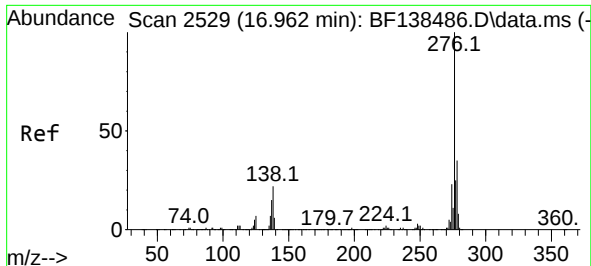
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

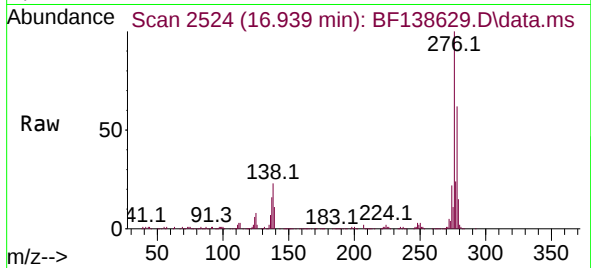
265 21.9 17.0 25.4





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 37.155 ng  
RT: 16.939 min Scan# 21  
Delta R.T. -0.023 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

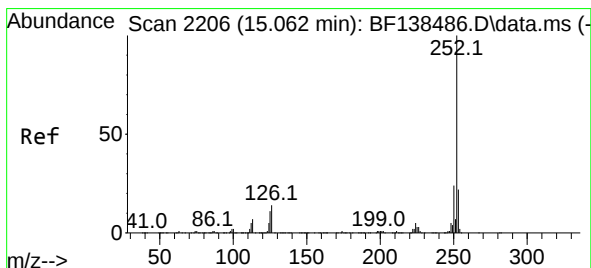
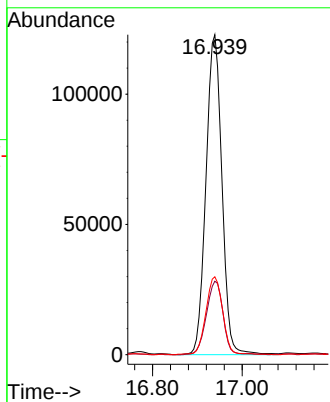
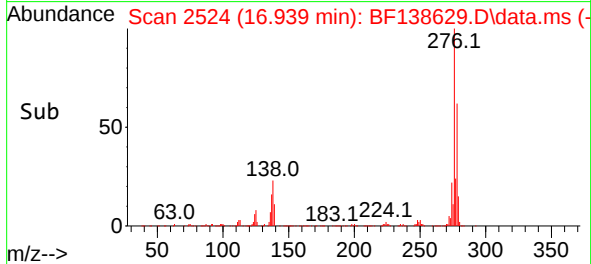
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



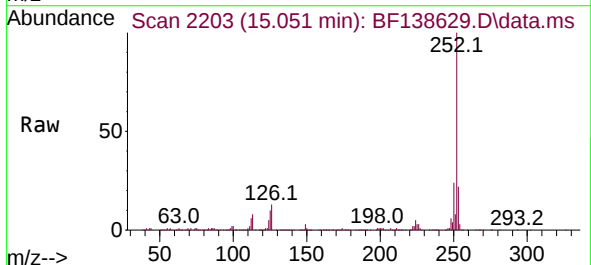
Tgt Ion:276 Resp: 303469  
Ion Ratio Lower Upper  
276 100  
138 23.7 19.6 29.4  
277 25.6 20.5 30.7

Manual Integrations  
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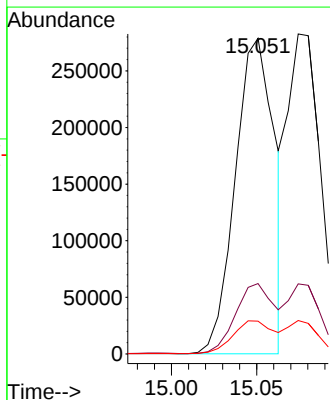
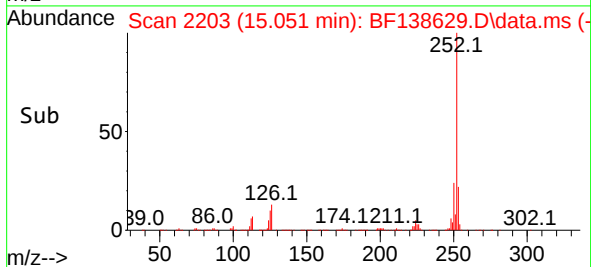
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024

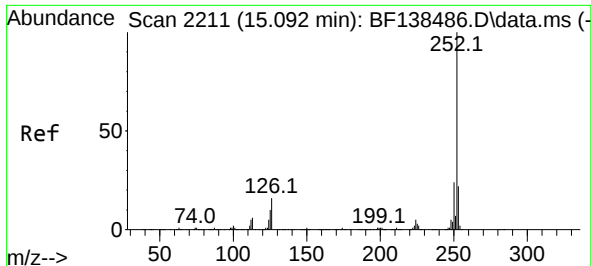


#88  
Benzo(b)fluoranthene  
Concen: 65.035 ng  
RT: 15.051 min Scan# 2203  
Delta R.T. -0.012 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



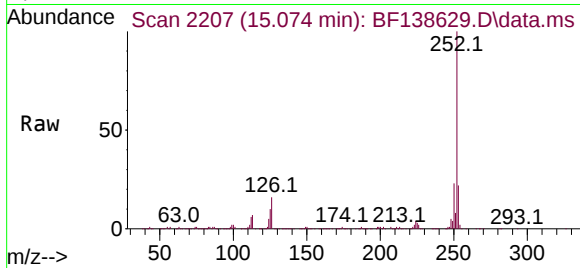
Tgt Ion:252 Resp: 445356  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.3 25.9  
125 10.4 8.6 13.0





#89  
Benzo(k)fluoranthene  
Concen: 56.446 ng  
RT: 15.074 min Scan# 2211  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

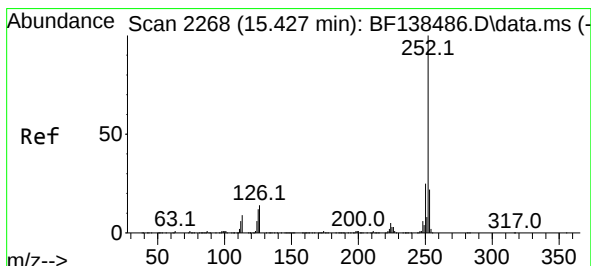
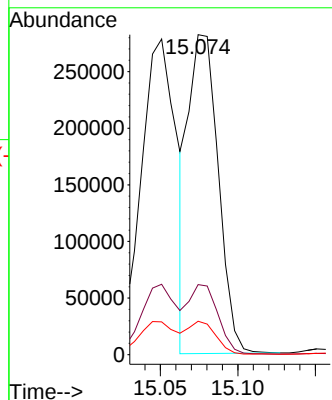
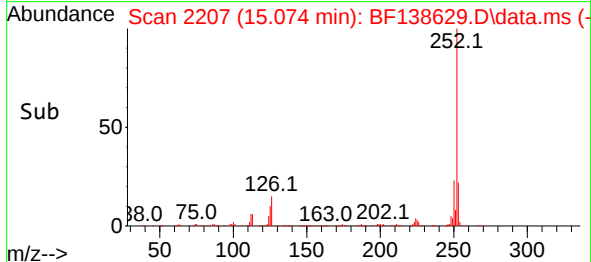
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



Tgt Ion:252 Resp: 376989  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.7 26.5  
125 10.5 8.1 12.1

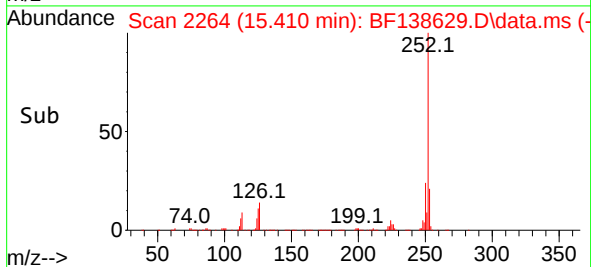
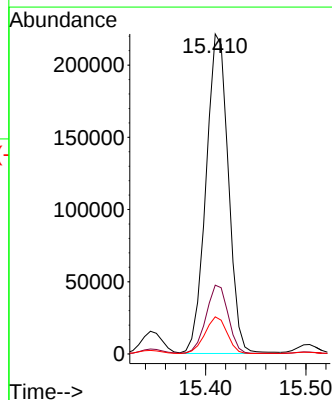
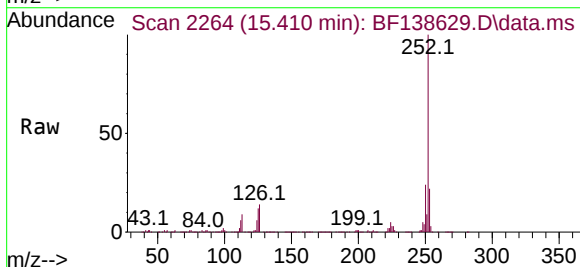
Manual Integrations  
APPROVED

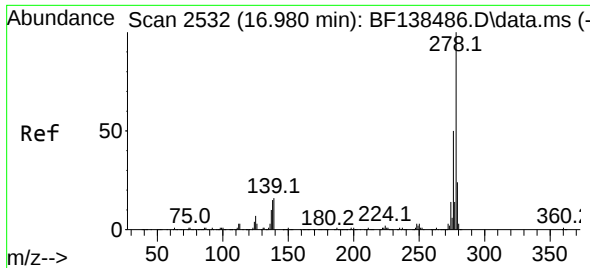
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/30/2024



#90  
Benzo(a)pyrene  
Concen: 56.927 ng  
RT: 15.410 min Scan# 2264  
Delta R.T. -0.017 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

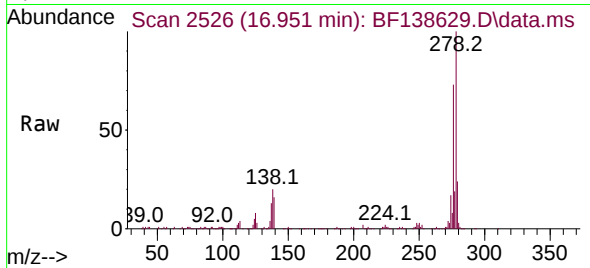
Tgt Ion:252 Resp: 342453  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.4 26.0  
125 11.6 9.4 14.2





#91  
Dibenzo(a,h)anthracene  
Concen: 34.928 ng  
RT: 16.951 min Scan# 2526  
Delta R.T. -0.029 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38

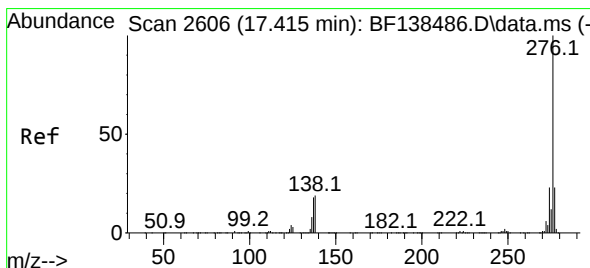
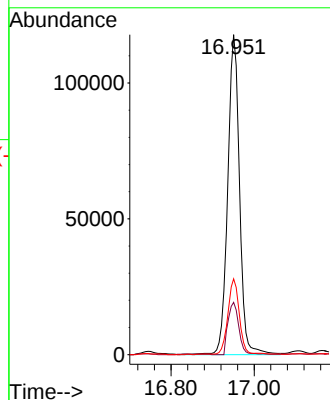
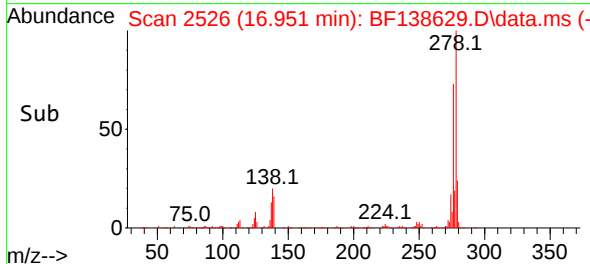
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ206MSD



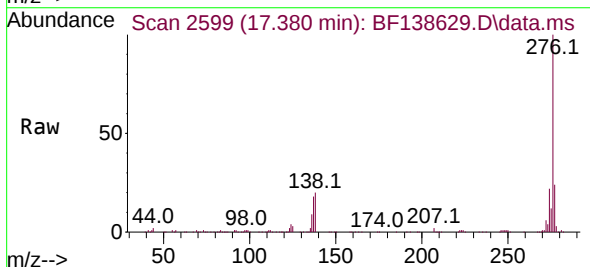
Tgt Ion: 278 Resp: 23336  
Ion Ratio Lower Upper  
278 100  
139 16.3 12.8 19.2  
279 23.7 19.1 28.7

Manual Integrations  
APPROVED

Reviewed By : Jagrut Upadhyay 07/24/2024  
Supervised By : mohammad ahmed 07/30/2024



#92  
Benzo(g,h,i)perylene  
Concen: 32.988 ng  
RT: 17.380 min Scan# 2599  
Delta R.T. -0.035 min  
Lab File: BF138629.D  
Acq: 23 Jul 2024 20:38



Tgt Ion: 276 Resp: 233711  
Ion Ratio Lower Upper  
276 100  
277 23.6 18.0 27.0  
138 20.2 15.5 23.3

