

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021822\  
 Data File : BF126957.D  
 Acq On : 18 Feb 2022 17:37  
 Operator : CG\JU  
 Sample : M4068-09  
 Misc : MDL-MDL-WATER 8ppm  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-WATER-03-QT4-2021

Quant Time: Feb 18 23:52:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 16 14:55:48 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/21/2022  
 Supervised By : Jagrut Upadhyay 02/21/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.928  | 152  | 98431    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.210  | 136  | 394528   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.969  | 164  | 206163   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.463 | 188  | 373227   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.104 | 240  | 259539   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.610 | 264  | 201302   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.551  | 112  | 928247   | 145.754 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.563  | 99   | 1278154  | 148.736 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.498  | 82   | 725839   | 83.042  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.763 | 330  | 388132   | 163.514 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.292  | 172  | 1198483  | 85.580  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.051 | 244  | 1427037  | 80.828  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.740  | 88   | 22293    | 7.650   | ng    | 96       |
| 3) Pyridine                   | 3.569  | 79   | 53830    | 7.042   | ng    | # 88     |
| 4) n-Nitrosodimethylamine     | 3.463  | 42   | 29476    | 7.872   | ng    | # 73     |
| 6) Aniline                    | 6.598  | 93   | 91390    | 8.976   | ng    | 98       |
| 8) 2-Chlorophenol             | 6.716  | 128  | 55043    | 8.055   | ng    | 99       |
| 9) Benzaldehyde               | 6.487  | 77   | 52832    | 10.100  | ng    | 98       |
| 10) Phenol                    | 6.569  | 94   | 69935    | 8.054   | ng    | 83       |
| 11) bis(2-Chloroethyl)ether   | 6.669  | 93   | 54849    | 8.054   | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.869  | 146  | 58543    | 7.942   | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 6.945  | 146  | 60958    | 8.157   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.098  | 146  | 57771    | 8.107   | ng    | 96       |
| 15) Benzyl Alcohol            | 7.063  | 79   | 65379    | 9.031   | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.198  | 45   | 80570    | 7.513   | ng    | 96       |
| 17) 2-Methylphenol            | 7.169  | 107  | 48078    | 8.132   | ng    | 91       |
| 18) Hexachloroethane          | 7.439  | 117  | 23375    | 8.160   | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.334  | 70   | 44086    | 7.962   | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.322  | 107  | 61438    | 8.003   | ng    | # 75     |
| 22) Acetophenone              | 7.334  | 105  | 88531    | 8.523   | ng    | 92       |
| 24) Nitrobenzene              | 7.510  | 77   | 69309    | 8.394   | ng    | 95       |
| 25) Isophorone                | 7.745  | 82   | 122970   | 8.502   | ng    | # 94     |
| 26) 2-Nitrophenol             | 7.828  | 139  | 28471    | 8.099   | ng    | # 88     |
| 27) 2,4-Dimethylphenol        | 7.851  | 122  | 53631    | 9.286   | ng    | 88       |
| 28) bis(2-Chloroethoxy)met... | 7.951  | 93   | 69424    | 7.917   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.063  | 162  | 42987    | 7.917   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.151  | 180  | 48713    | 8.025   | ng    | 98       |
| 31) Naphthalene               | 8.234  | 128  | 173119   | 8.406   | ng    | 99       |
| 32) Benzoic acid              | 7.922  | 122  | 23577m   | 5.756   | ng    |          |
| 33) 4-Chloroaniline           | 8.281  | 127  | 68203    | 8.414   | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.345  | 225  | 28144    | 7.941   | ng    | 98       |
| 35) Caprolactam               | 8.616  | 113  | 14910    | 7.863   | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 8.751  | 107  | 56262    | 8.108   | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.922  | 142  | 111810   | 8.367   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 9.022  | 142  | 108243   | 8.458   | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 9.086  | 216  | 45128    | 8.316   | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.075  | 237  | 21304    | 7.238   | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.198  | 196  | 30496    | 7.662   | ng    | 99       |

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 Sample : M4068-09  
 Misc : MDL-MDL-WATER 8ppm  
 ALS Vial : 16 Sample Multiplier: 1

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 QLast Update : Wed Feb 16 14:55:48 2022  
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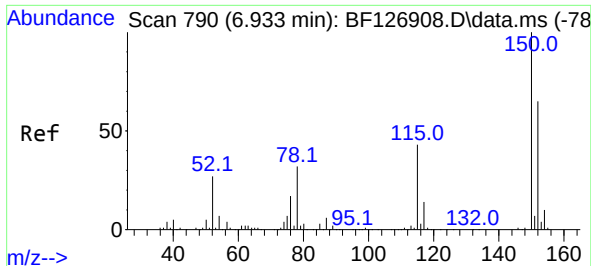
Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 02/21/2022  
 Supervised By :Jagrut Upadhyay 02/21/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.239  | 196  | 34045    | 8.128  | ng    | 92       |
| 46) 1,1'-Biphenyl             | 9.386  | 154  | 140401   | 8.596  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.416  | 162  | 97139    | 8.020  | ng    | 96       |
| 48) 2-Nitroaniline            | 9.504  | 65   | 37777    | 7.903  | ng    | 88       |
| 49) Acenaphthylene            | 9.828  | 152  | 174336   | 8.861  | ng    | 98       |
| 50) Dimethylphthalate         | 9.681  | 163  | 118844   | 8.065  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.745  | 165  | 25249    | 8.422  | ng    | # 83     |
| 52) Acenaphthene              | 10.004 | 154  | 102533   | 8.013  | ng    | 97       |
| 53) 3-Nitroaniline            | 9.916  | 138  | 28747    | 7.844  | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 10.022 | 184  | 7319     | 4.612  | ng    | # 88     |
| 55) Dibenzofuran              | 10.175 | 168  | 145199   | 8.252  | ng    | 93       |
| 56) 4-Nitrophenol             | 10.069 | 139  | 18806    | 6.948  | ng    | # 82     |
| 57) 2,4-Dinitrotoluene        | 10.145 | 165  | 32857    | 8.105  | ng    | # 93     |
| 58) Fluorene                  | 10.516 | 166  | 114391   | 8.346  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.286 | 232  | 25880    | 7.794  | ng    | 95       |
| 60) Diethylphthalate          | 10.380 | 149  | 130110   | 8.450  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.510 | 204  | 52789    | 8.168  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.528 | 138  | 27591    | 7.624  | ng    | # 74     |
| 63) Azobenzene                | 10.669 | 77   | 135434   | 7.899  | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 10.557 | 198  | 12586    | 5.739  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.628 | 169  | 100885   | 8.243  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.998 | 248  | 32998    | 7.913  | ng    | 89       |
| 68) Hexachlorobenzene         | 11.063 | 284  | 37370    | 8.324  | ng    | 95       |
| 69) Atrazine                  | 11.145 | 200  | 31486    | 8.295  | ng    | 99       |
| 70) Pentachlorophenol         | 11.257 | 266  | 15044    | 6.139  | ng    | 95       |
| 71) Phenanthrene              | 11.480 | 178  | 175636   | 8.408  | ng    | 98       |
| 72) Anthracene                | 11.533 | 178  | 179063   | 8.610  | ng    | 99       |
| 73) Carbazole                 | 11.686 | 167  | 150751   | 7.905  | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.010 | 149  | 202798   | 8.271  | ng    | 99       |
| 75) Fluoranthene              | 12.674 | 202  | 169524   | 8.547  | ng    | 95       |
| 77) Benzidine                 | 12.798 | 184  | 76683    | 10.872 | ng    | # 96     |
| 78) Pyrene                    | 12.904 | 202  | 172390   | 7.645  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.516 | 149  | 82870    | 7.763  | ng    | 89       |
| 81) Benzo(a)anthracene        | 14.092 | 228  | 138999   | 7.944  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.057 | 252  | 44999    | 8.161  | ng    | # 94     |
| 83) Chrysene                  | 14.127 | 228  | 130219   | 7.914  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.074 | 149  | 112617   | 8.036  | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 14.686 | 149  | 166512   | 8.252  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.133 | 276  | 86869    | 6.581  | ng    | # 87     |
| 88) Benzo(b)fluoranthene      | 15.163 | 252  | 113278   | 8.378  | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.192 | 252  | 111219   | 8.529  | ng    | # 94     |
| 90) Benzo(a)pyrene            | 15.539 | 252  | 100215   | 9.489  | ng    | 96       |
| 91) Dibenzo(a,h)anthracene    | 17.157 | 278  | 74625    | 6.836  | ng    | # 89     |
| 92) Benzo(g,h,i)perylene      | 17.604 | 276  | 71539    | 6.647  | ng    | # 87     |

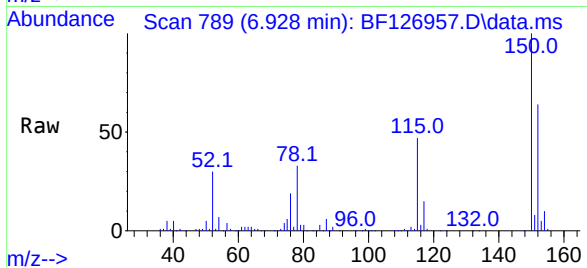
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.928 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

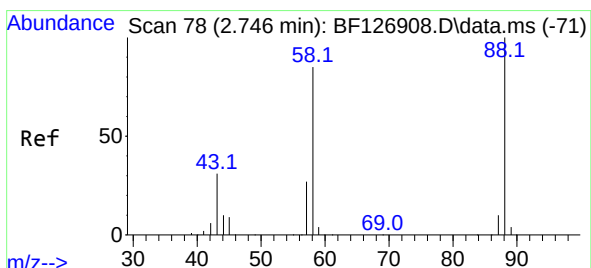
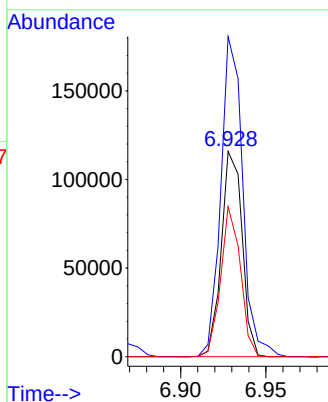
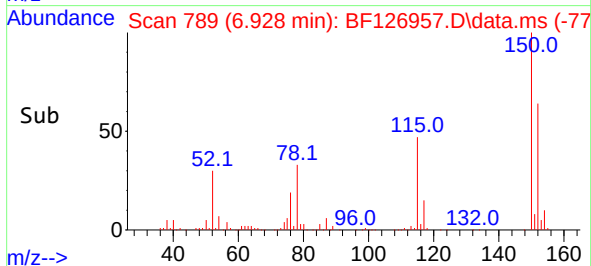
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



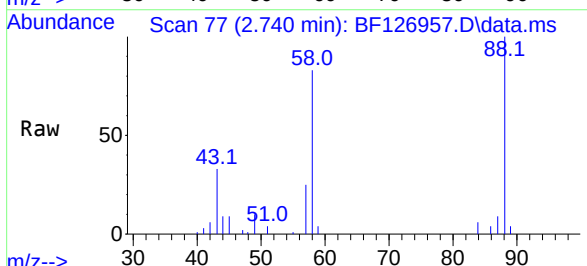
Tgt Ion:152 Resp: 9843  
Ion Ratio Lower Upper  
152 100  
150 155.8 128.1 192.1  
115 73.0 56.7 85.1

Manual Integrations  
APPROVED

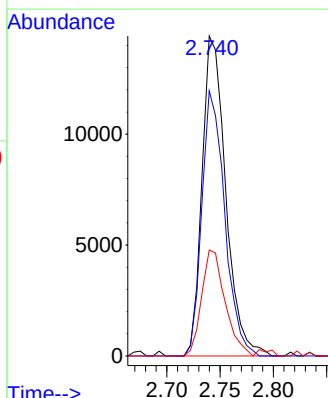
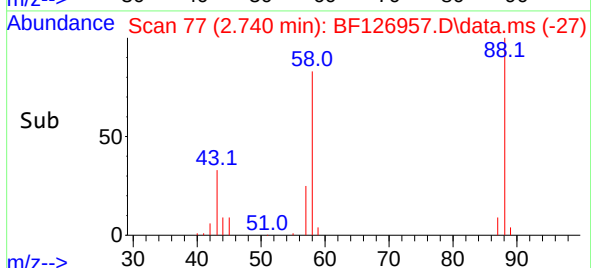
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

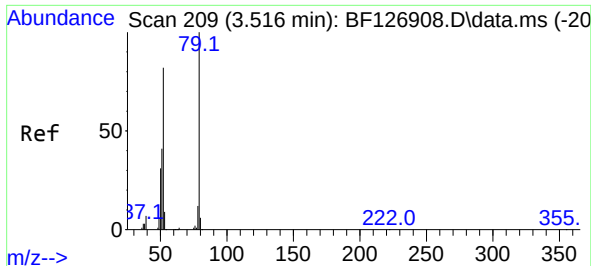


#2  
1,4-Dioxane  
Concen: 7.650 ng  
RT: 2.740 min Scan# 77  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



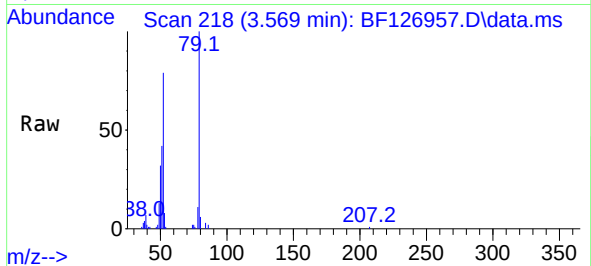
Tgt Ion: 88 Resp: 22293  
Ion Ratio Lower Upper  
88 100  
58 80.1 62.8 94.2  
43 32.8 22.3 33.5





#3  
Pyridine  
Concen: 7.042 ng  
RT: 3.569 min Scan# 218  
Delta R.T. 0.053 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

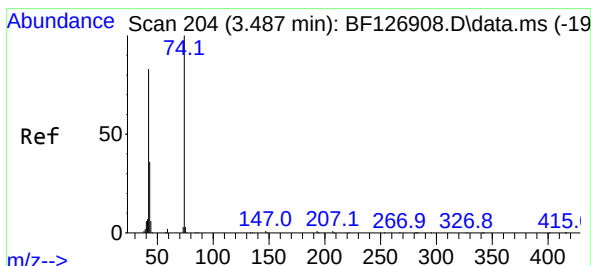
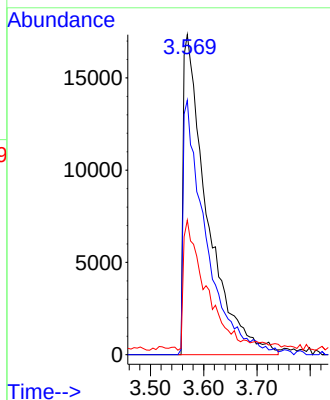
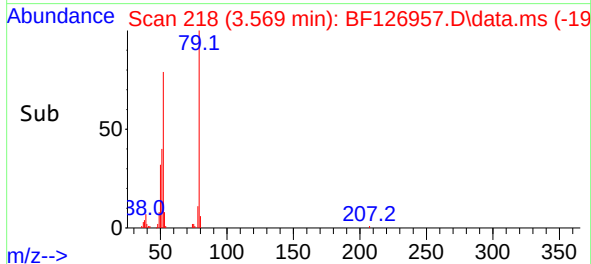
Instrument :  
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ClientSampleId :  
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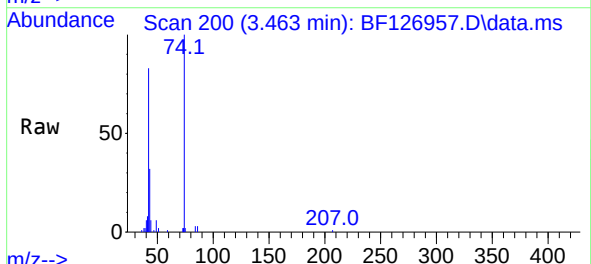
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Ion Ratio Lower Upper  
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52 79.5 56.2 84.4  
51 42.1 26.7 40.1

Manual Integrations  
APPROVED

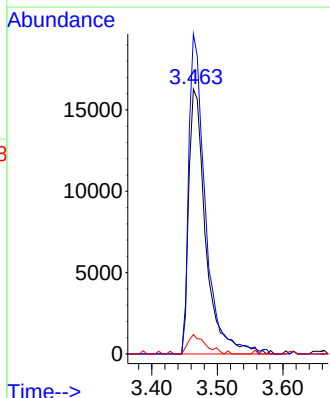
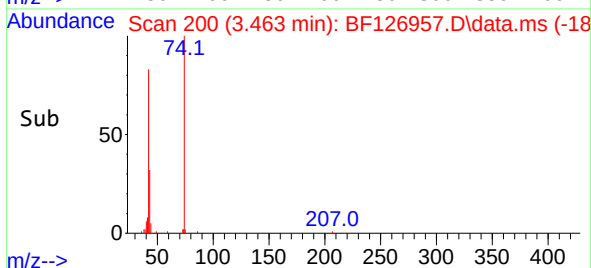
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

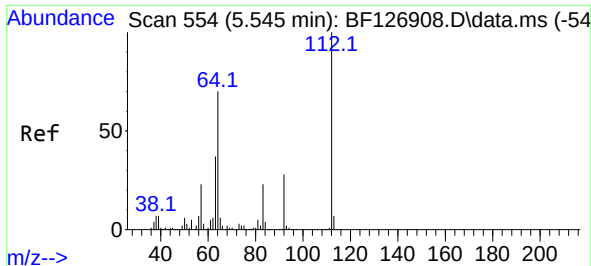


#4  
n-Nitrosodimethylamine  
Concen: 7.872 ng  
RT: 3.463 min Scan# 200  
Delta R.T. -0.023 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



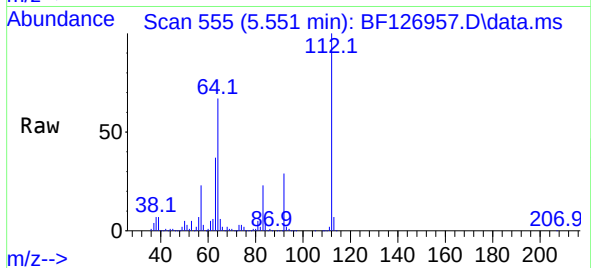
Tgt Ion: 42 Resp: 29476  
Ion Ratio Lower Upper  
42 100  
74 120.8 125.6 188.4  
44 7.3 5.7 8.5





#5  
2-Fluorophenol  
Concen: 145.754 ng  
RT: 5.551 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

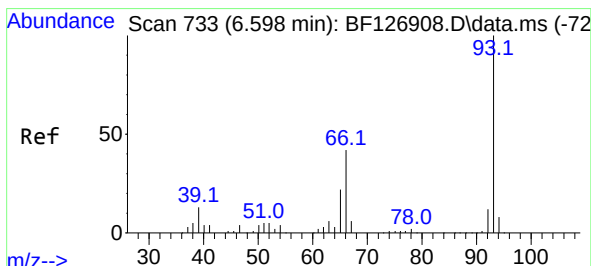
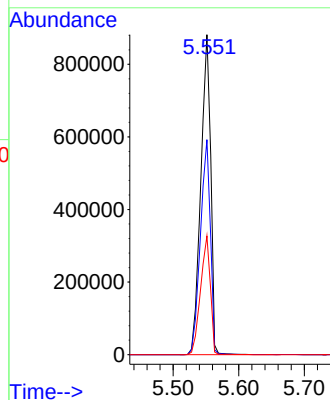
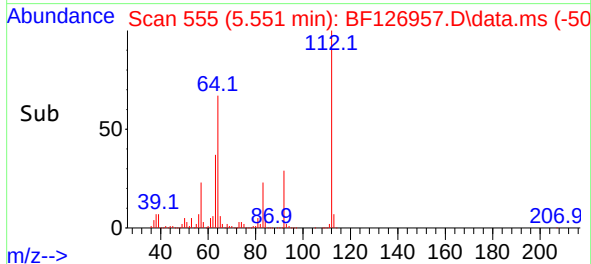
Instrument :  
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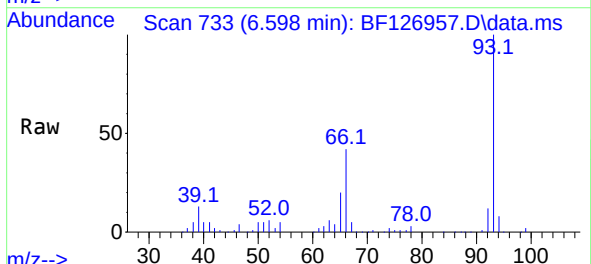
Tgt Ion:112 Resp: 92824  
Ion Ratio Lower Upper  
112 100  
64 67.2 49.5 74.3  
63 37.1 23.9 35.9

Manual Integrations  
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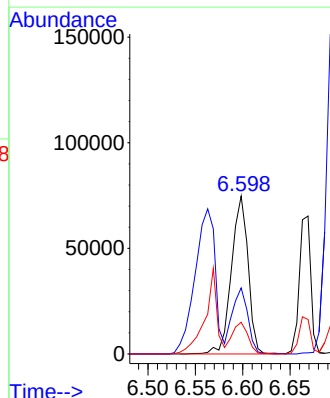
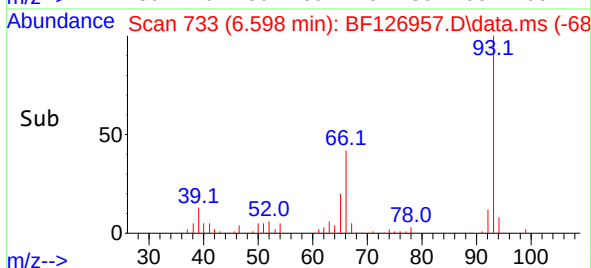
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

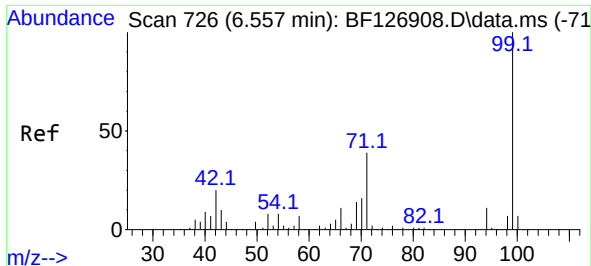


#6  
Aniline  
Concen: 8.976 ng  
RT: 6.598 min Scan# 733  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



Tgt Ion: 93 Resp: 91390  
Ion Ratio Lower Upper  
93 100  
66 41.9 32.2 48.4  
65 20.1 16.3 24.5





#7

Phenol-d6

Concen: 148.736 ng

RT: 6.563 min Scan# 726

Delta R.T. 0.006 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

MDL-WATER-03-QT4-2021

Tgt Ion: 99 Resp: 127815

Ion Ratio Lower Upper

99 100

42 18.4 14.2 21.4

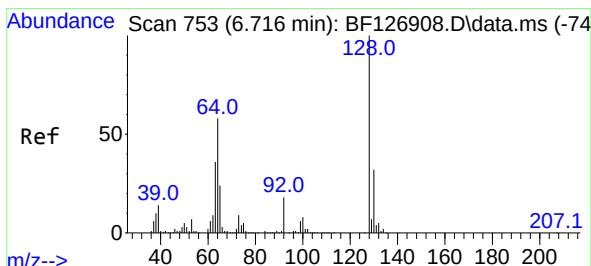
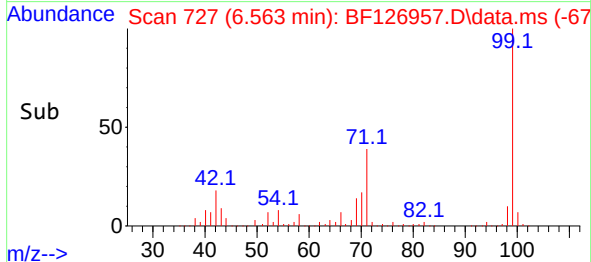
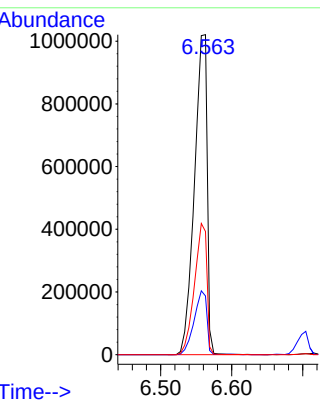
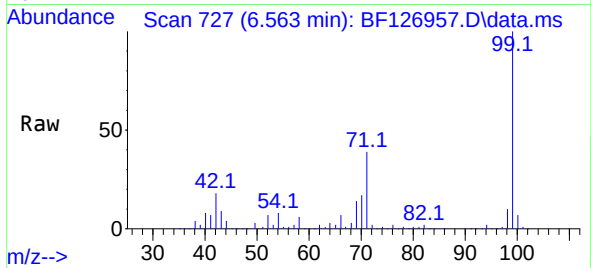
71 38.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#8

2-Chlorophenol

Concen: 8.055 ng

RT: 6.716 min Scan# 753

Delta R.T. 0.000 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

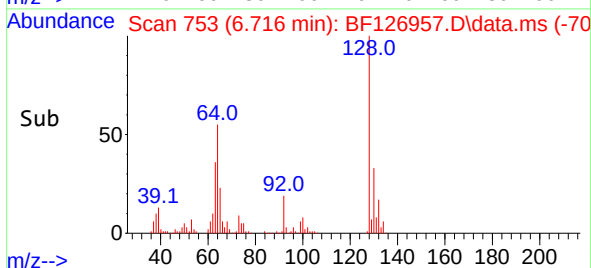
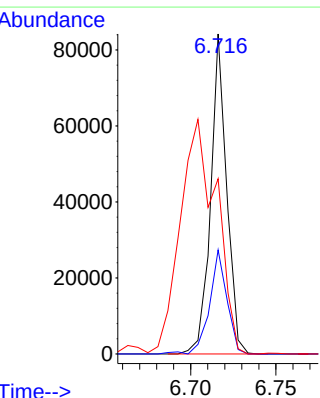
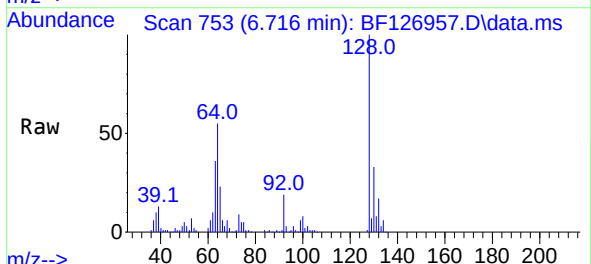
Tgt Ion:128 Resp: 55043

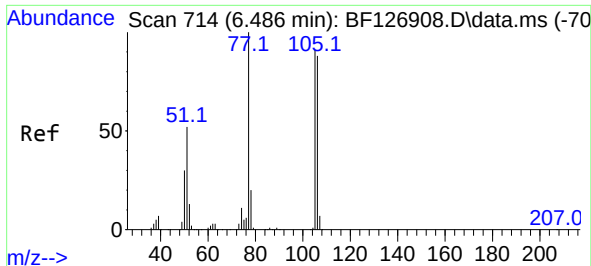
Ion Ratio Lower Upper

128 100

130 32.5 12.7 52.7

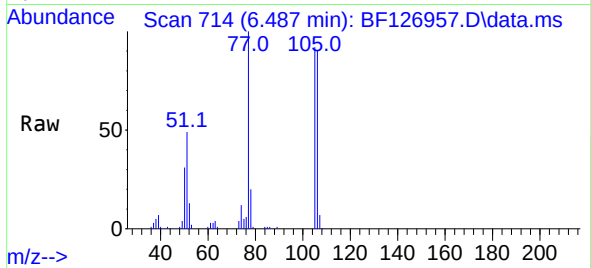
64 54.8 35.6 75.6





#9  
Benzaldehyde  
Concen: 10.100 ng  
RT: 6.487 min Scan# 714  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

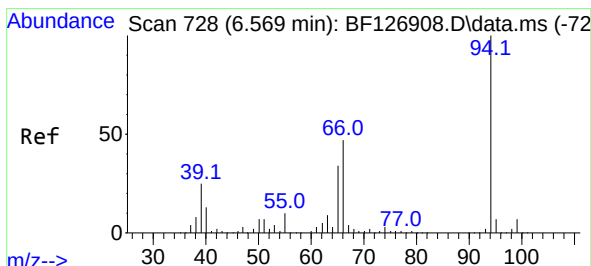
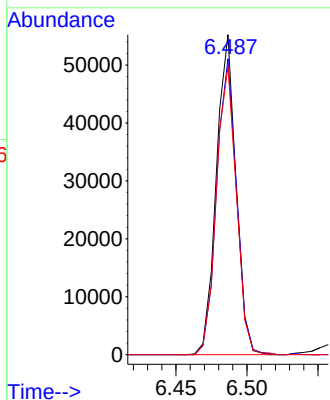
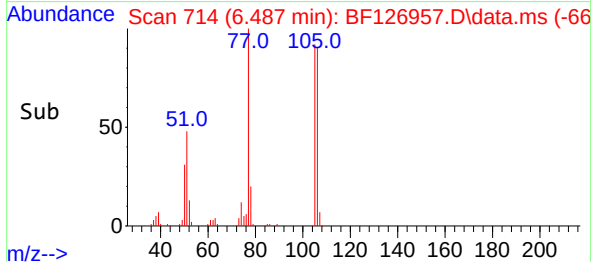
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



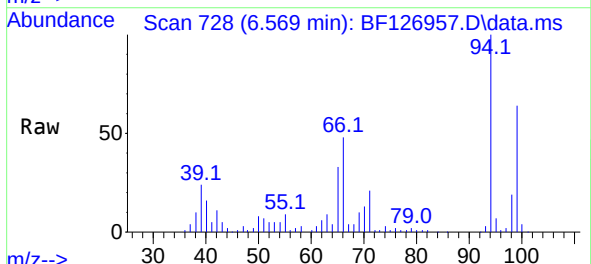
Tgt Ion: 77 Resp: 5283  
Ion Ratio Lower Upper  
77 100  
105 92.5 74.9 114.9  
106 90.1 72.4 112.4

Manual Integrations  
APPROVED

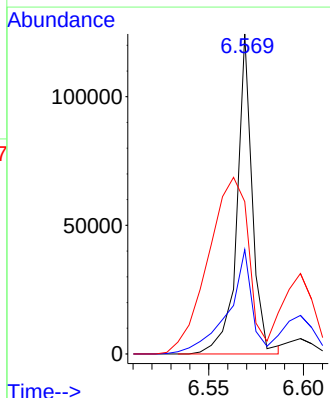
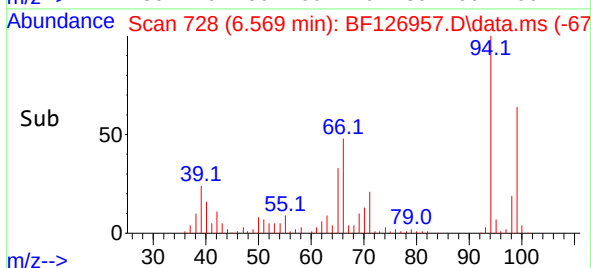
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



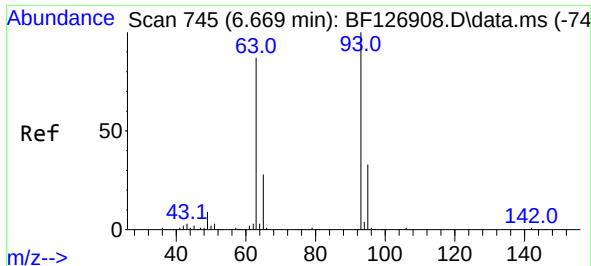
#10  
Phenol  
Concen: 8.054 ng  
RT: 6.569 min Scan# 728  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



Tgt Ion: 94 Resp: 69935  
Ion Ratio Lower Upper  
94 100  
65 32.6 7.2 47.2  
66 47.6 14.5 54.5







#11

bis(2-Chloroethyl)ether

Concen: 8.054 ng

RT: 6.669 min Scan# 745

Delta R.T. 0.000 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

MDL-WATER-03-QT4-2021

Tgt Ion: 93 Resp: 54849

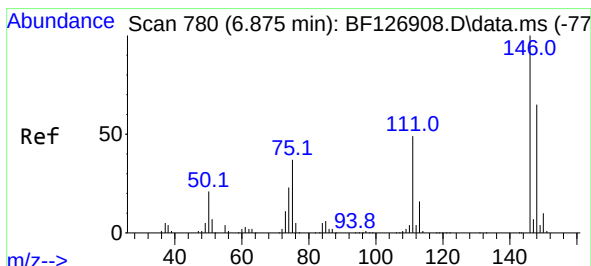
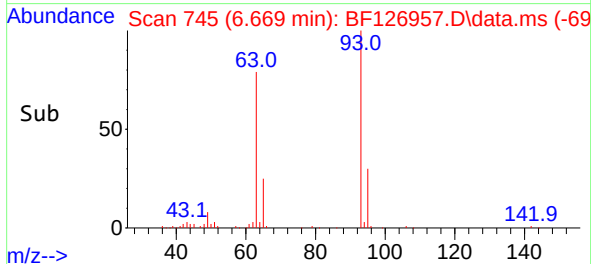
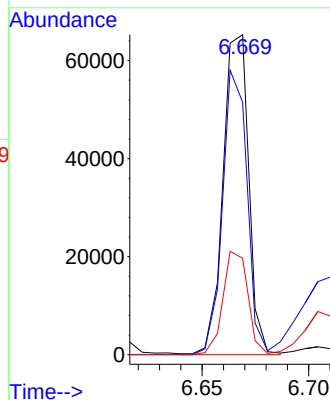
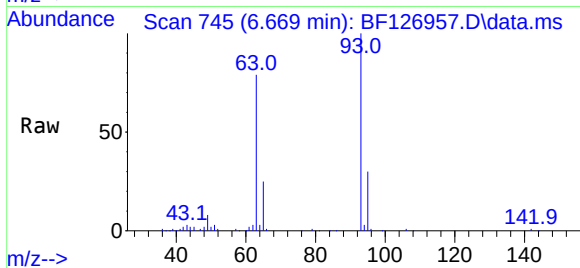
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 78.9  | 60.5  | 100.5 |
| 95  | 30.2  | 12.9  | 52.9  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#12

1,3-Dichlorobenzene

Concen: 7.942 ng

RT: 6.869 min Scan# 779

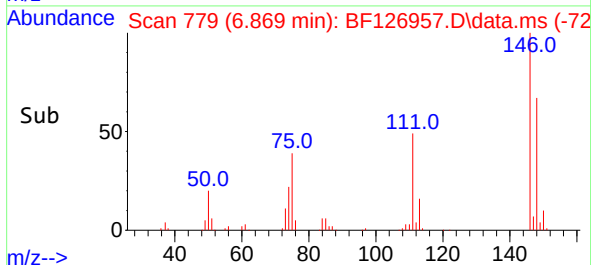
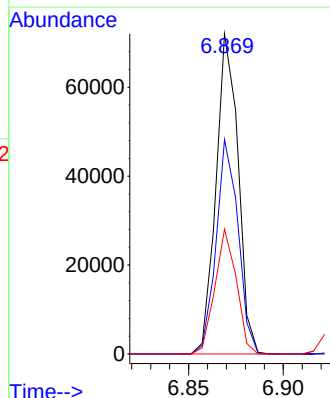
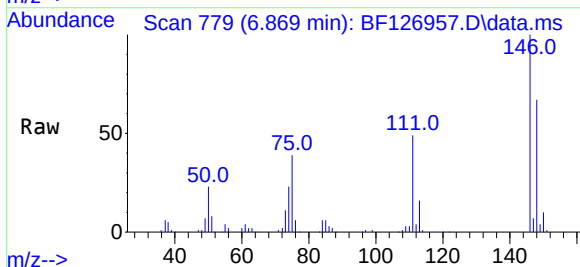
Delta R.T. -0.006 min

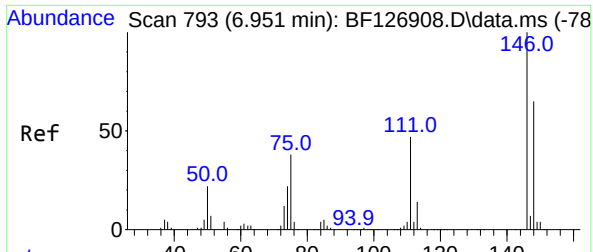
Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Tgt Ion:146 Resp: 58543

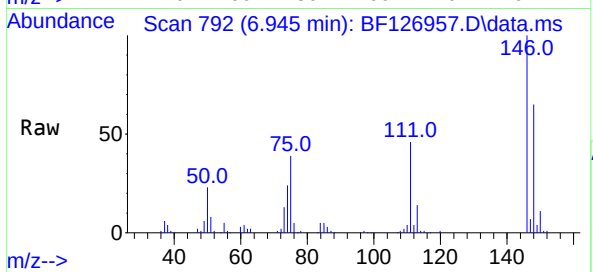
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 67.0  | 50.9  | 76.3  |
| 75  | 39.0  | 28.4  | 42.6  |





#13  
1,4-Dichlorobenzene  
Concen: 8.157 ng  
RT: 6.945 min Scan# 793  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

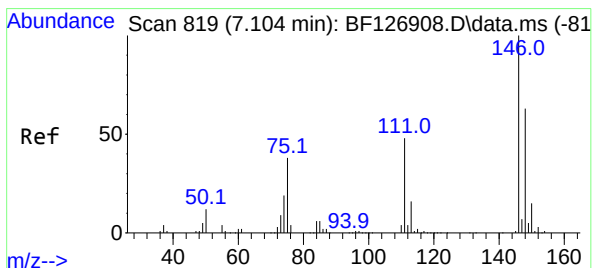
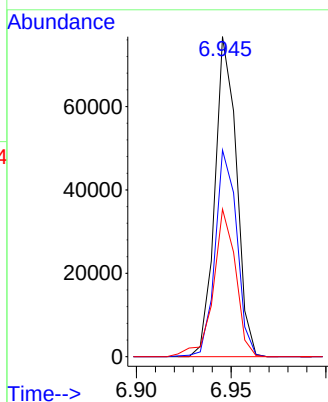
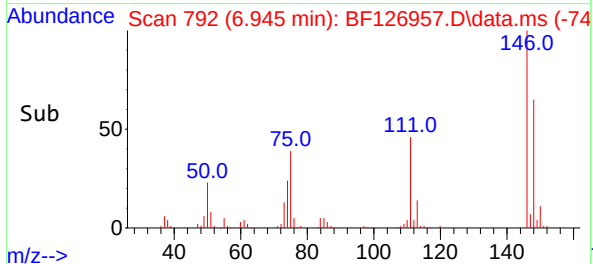
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



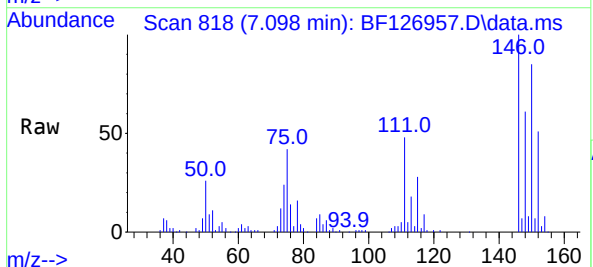
Tgt Ion:146 Resp: 60958  
Ion Ratio Lower Upper  
146 100  
148 64.5 49.8 74.6  
111 46.1 36.1 54.1

Manual Integrations  
APPROVED

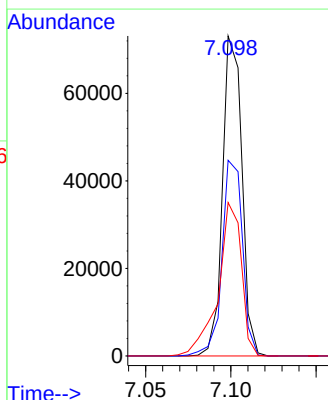
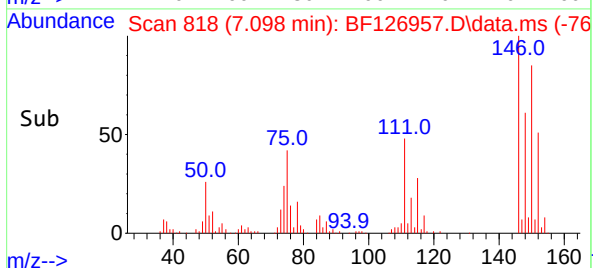
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

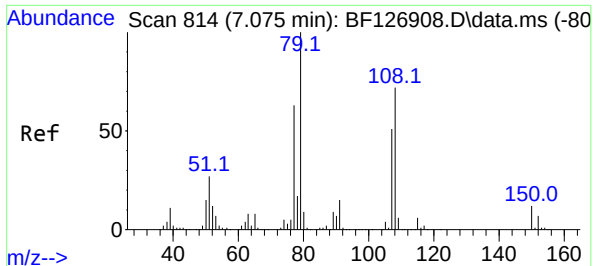


#14  
1,2-Dichlorobenzene  
Concen: 8.107 ng  
RT: 7.098 min Scan# 818  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



Tgt Ion:146 Resp: 57771  
Ion Ratio Lower Upper  
146 100  
148 61.1 51.6 77.4  
111 48.0 40.2 60.2





#15

Benzyl Alcohol

Concen: 9.031 ng

RT: 7.063 min Scan# 814

Delta R.T. -0.012 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

MDL-WATER-03-QT4-2021

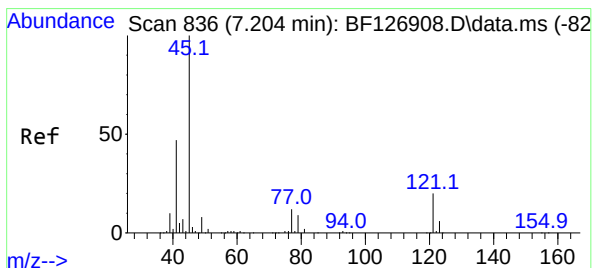
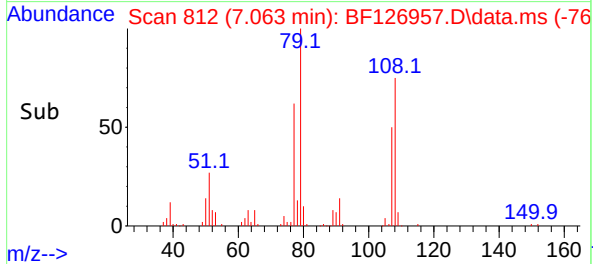
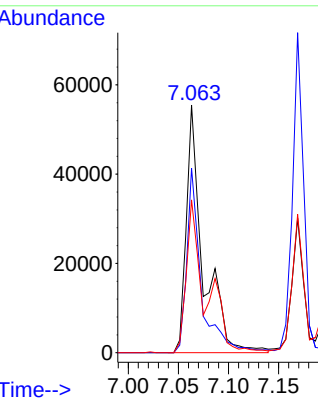
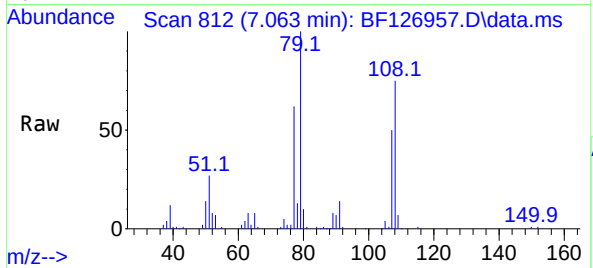
Tgt Ion: 79 Resp: 65379

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 74.5  | 63.2  | 94.8  |
| 77  | 61.7  | 49.4  | 74.2  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.513 ng

RT: 7.198 min Scan# 835

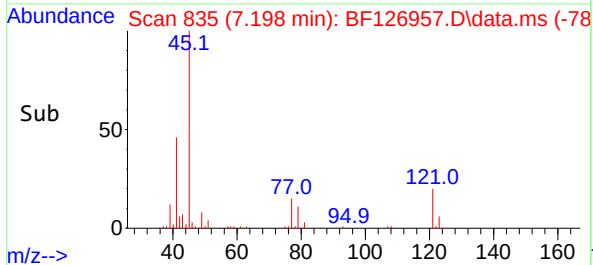
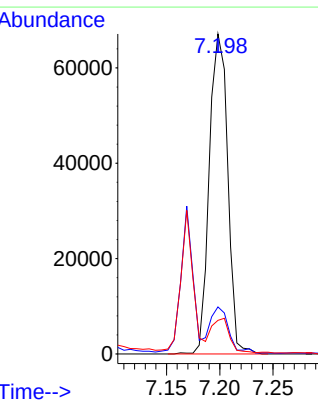
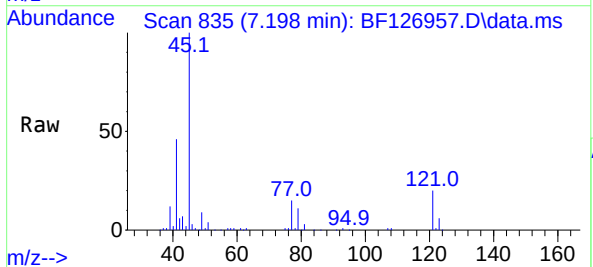
Delta R.T. -0.006 min

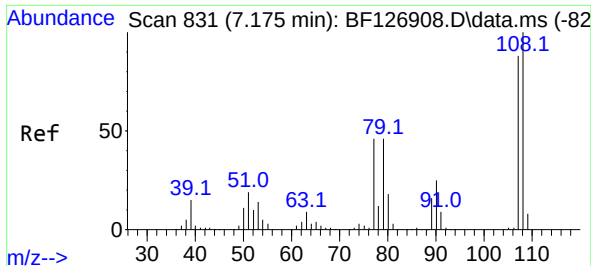
Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Tgt Ion: 45 Resp: 80570

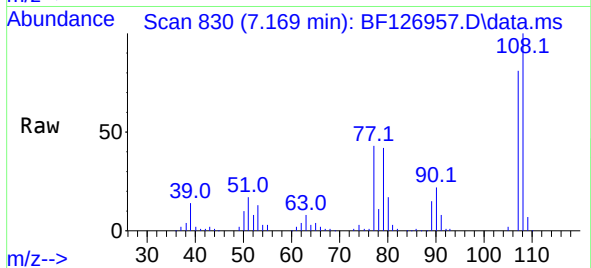
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 14.7  | 0.0   | 32.4  |
| 79  | 10.5  | 0.0   | 29.8  |





#17  
2-Methylphenol  
Concen: 8.132 ng  
RT: 7.169 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

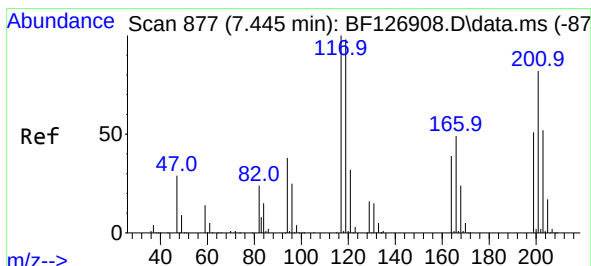
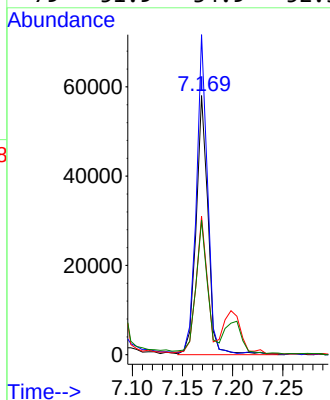
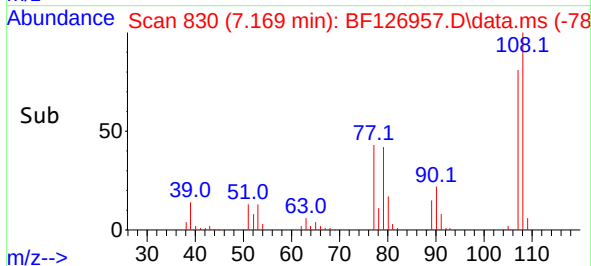
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



Tgt Ion:107 Resp: 48078  
Ion Ratio Lower Upper  
107 100  
108 123.5 93.4 140.0  
77 53.4 36.1 54.1  
79 51.9 34.9 52.3

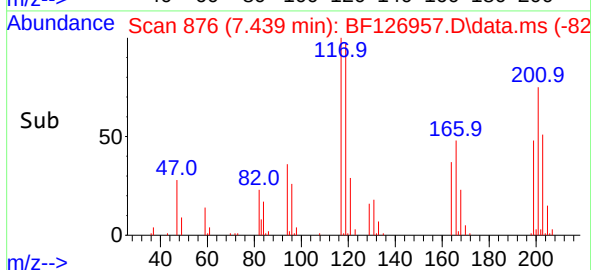
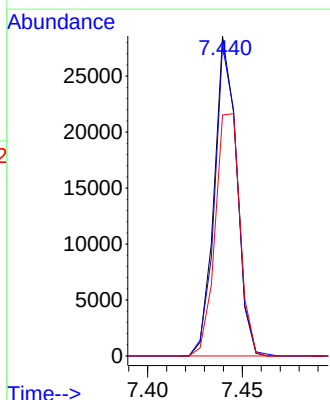
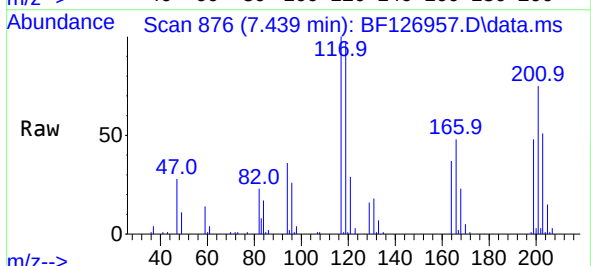
Manual Integrations  
APPROVED

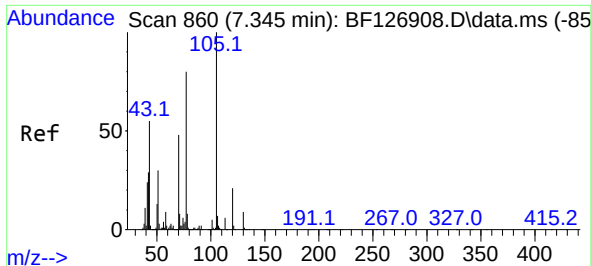
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



#18  
Hexachloroethane  
Concen: 8.160 ng  
RT: 7.439 min Scan# 876  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

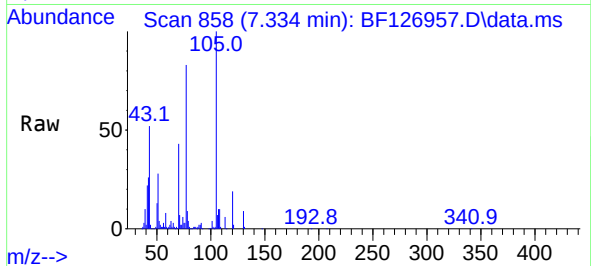
Tgt Ion:117 Resp: 23375  
Ion Ratio Lower Upper  
117 100  
119 97.0 75.4 113.0  
201 75.3 56.8 85.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 7.962 ng  
RT: 7.334 min Scan# 858  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

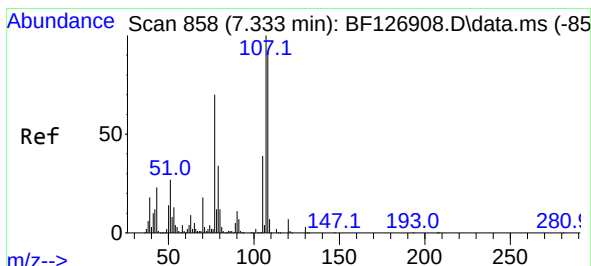
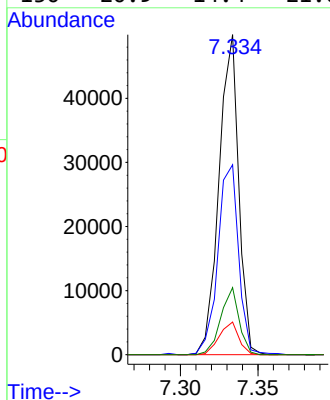
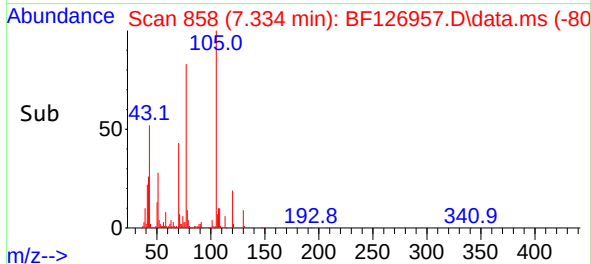
Instrument : BNA\_F  
ClientSampleId : MDL-WATER-03-QT4-2021



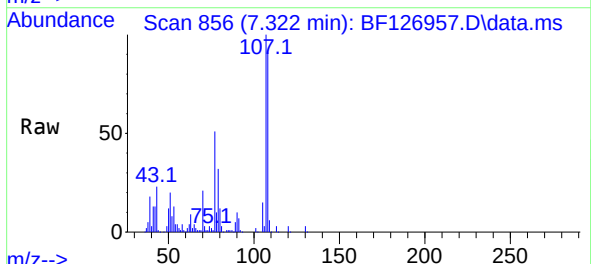
Tgt Ion: 70 Resp: 44080  
Ion Ratio Lower Upper  
70 100  
42 59.4 45.8 68.8  
101 10.2 6.9 10.3  
130 20.9 14.4 21.6

Manual Integrations  
APPROVED

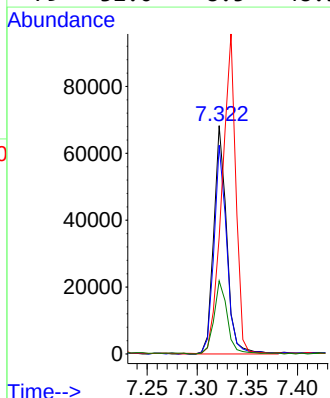
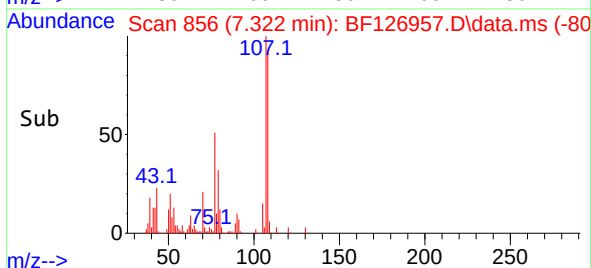
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

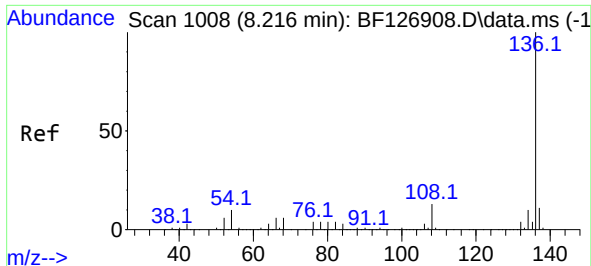


#20  
3+4-Methylphenols  
Concen: 8.003 ng  
RT: 7.322 min Scan# 856  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



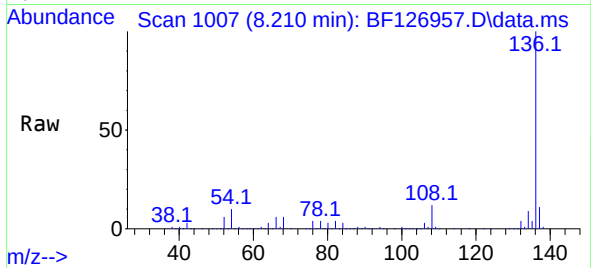
Tgt Ion:107 Resp: 61438  
Ion Ratio Lower Upper  
107 100  
108 91.4 72.4 112.4  
77 51.0 83.8 123.8#  
79 32.0 8.5 48.5





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.210 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

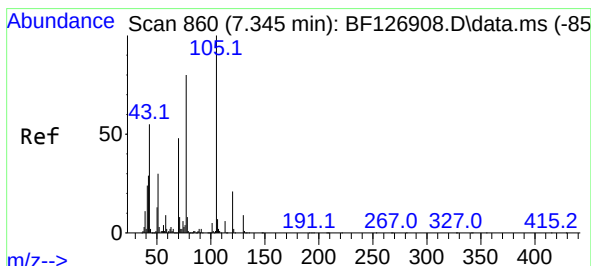
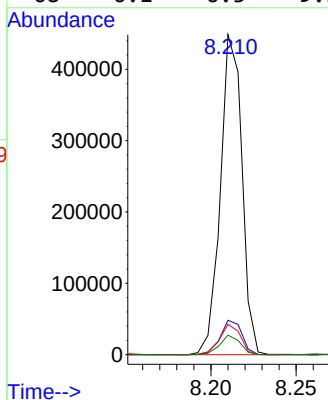
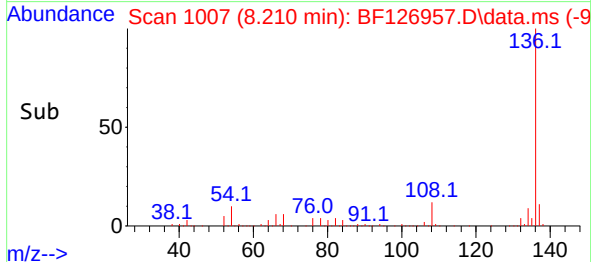
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



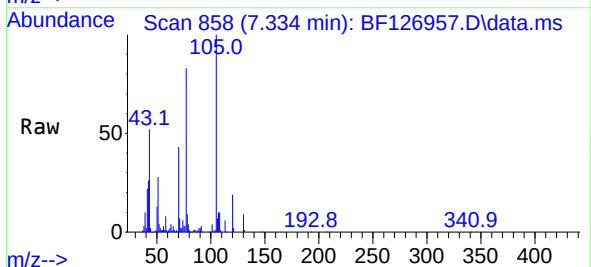
Tgt Ion:136 Resp: 394528  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 9.5 7.8 11.6  
68 6.1 6.3 9.5#

Manual Integrations  
APPROVED

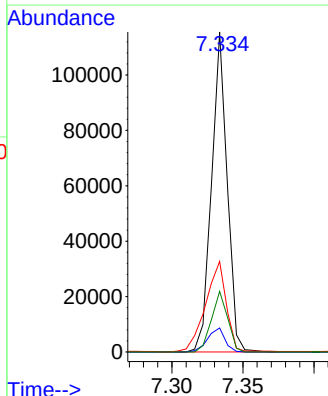
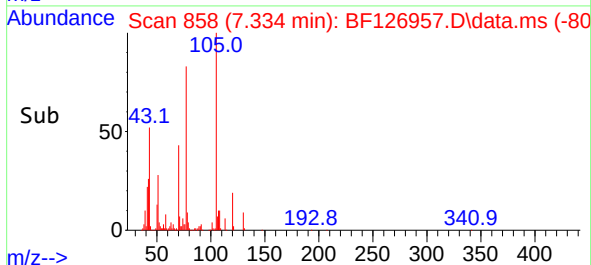
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

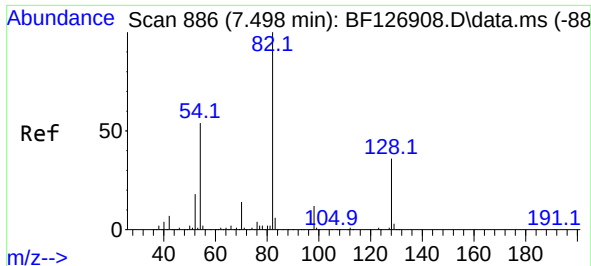


#22  
Acetophenone  
Concen: 8.523 ng  
RT: 7.334 min Scan# 858  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



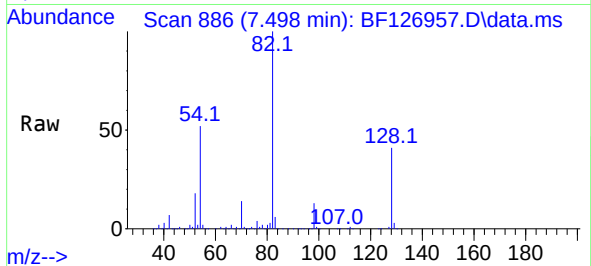
Tgt Ion:105 Resp: 88531  
Ion Ratio Lower Upper  
105 100  
71 7.5 5.4 8.0  
51 28.3 27.4 41.0  
120 18.9 17.0 25.6





#23  
Nitrobenzene-d5  
Concen: 83.042 ng  
RT: 7.498 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

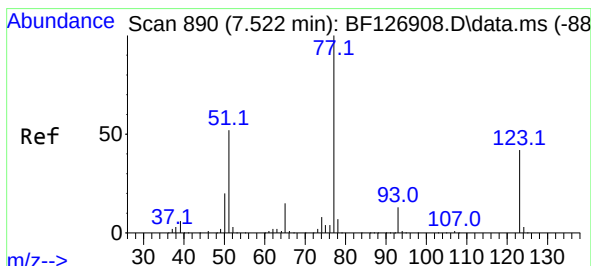
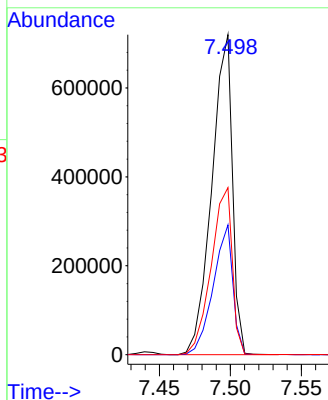
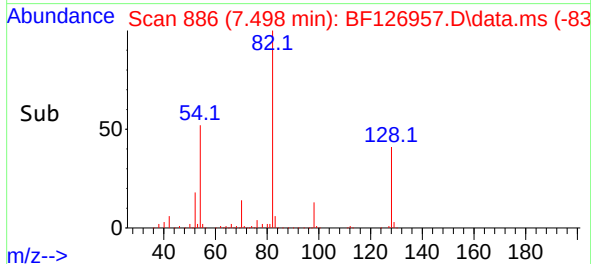
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



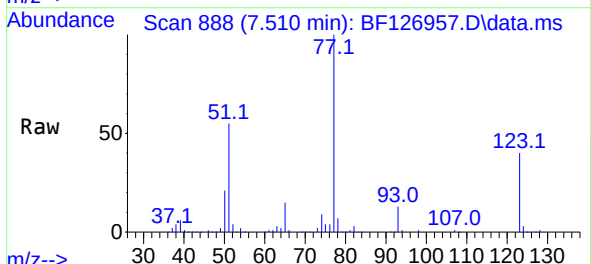
Tgt Ion: 82 Resp: 725839  
Ion Ratio Lower Upper  
82 100  
128 40.5 32.7 49.1  
54 52.2 41.7 62.5

Manual Integrations  
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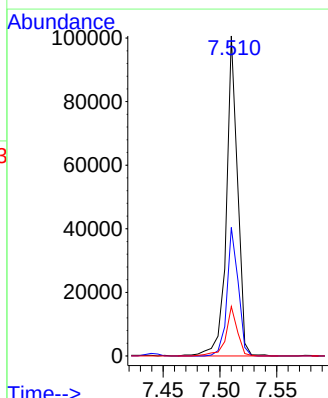
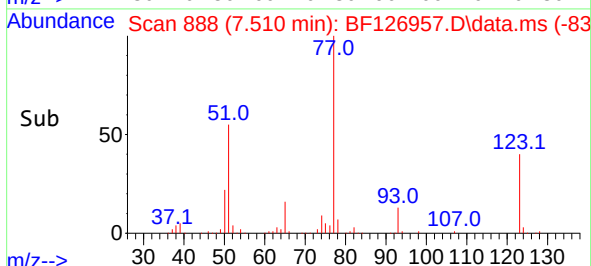
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

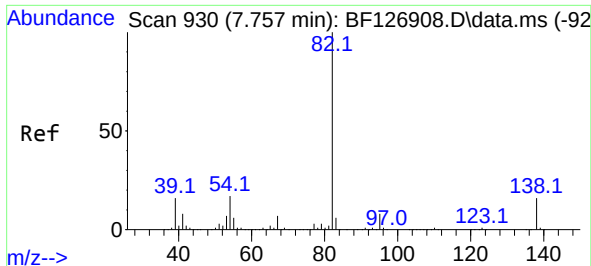


#24  
Nitrobenzene  
Concen: 8.394 ng  
RT: 7.510 min Scan# 888  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



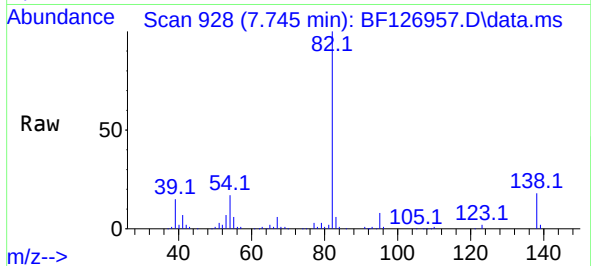
Tgt Ion: 77 Resp: 69309  
Ion Ratio Lower Upper  
77 100  
123 40.1 34.6 52.0  
65 15.4 10.6 15.8





#25  
Isophorone  
Concen: 8.502 ng  
RT: 7.745 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

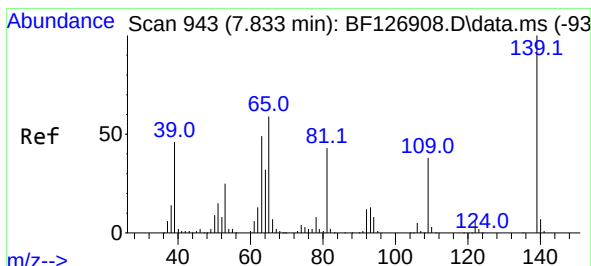
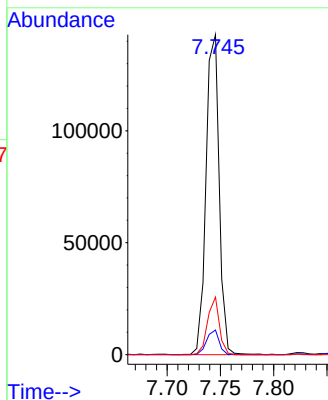
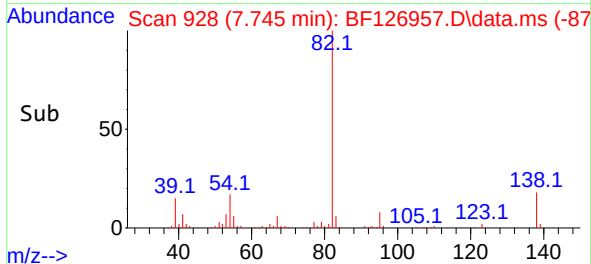
Instrument : BNA\_F  
ClientSampleId : MDL-WATER-03-QT4-2021



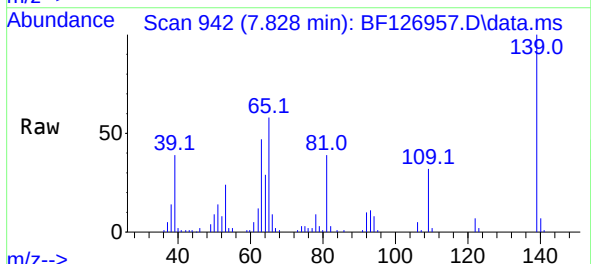
Tgt Ion: 82 Resp: 122970  
Ion Ratio Lower Upper  
82 100  
95 7.7 5.0 7.4  
138 18.0 12.3 18.5

Manual Integrations  
APPROVED

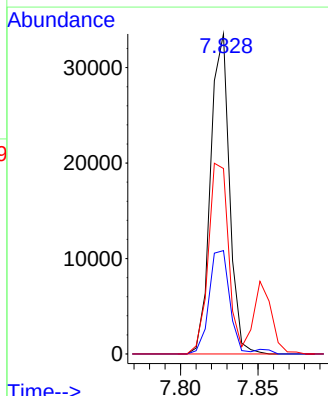
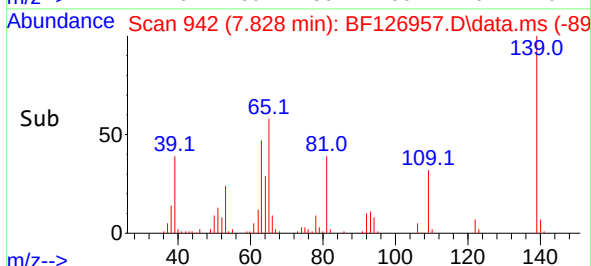
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



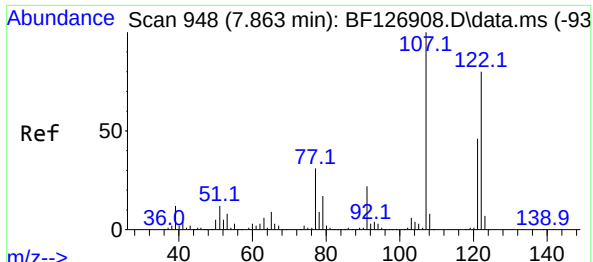
#26  
2-Nitrophenol  
Concen: 8.099 ng  
RT: 7.828 min Scan# 942  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



Tgt Ion:139 Resp: 28471  
Ion Ratio Lower Upper  
139 100  
109 32.3 20.0 30.0  
65 58.0 40.8 61.2

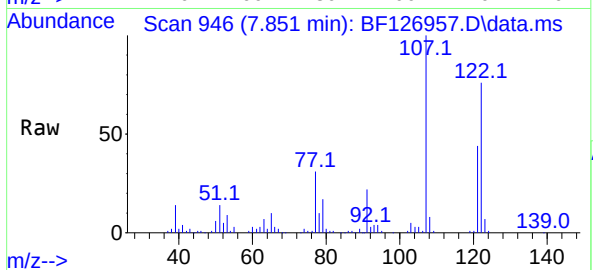






#27  
2,4-Dimethylphenol  
Concen: 9.286 ng  
RT: 7.851 min Scan# 948  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

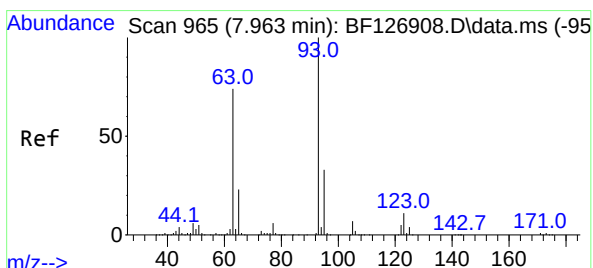
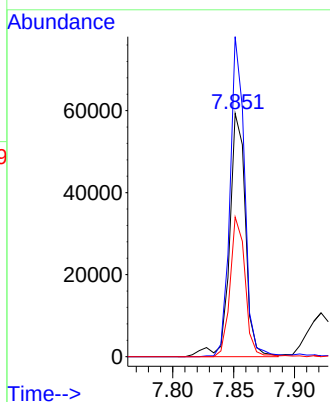
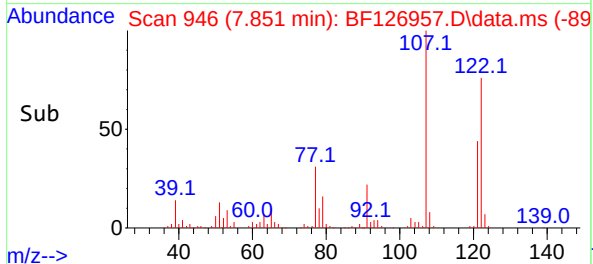
Instrument : BNA\_F  
ClientSampleId : MDL-WATER-03-QT4-2021



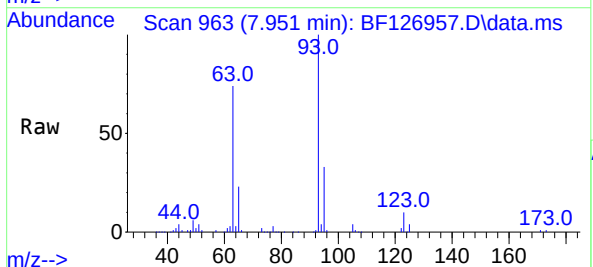
Tgt Ion:122 Resp: 5363  
Ion Ratio Lower Upper  
122 100  
107 131.6 91.2 136.8  
121 57.4 44.4 66.6

Manual Integrations  
APPROVED

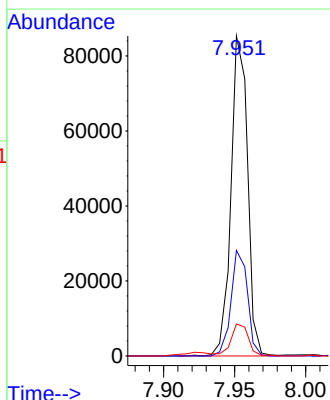
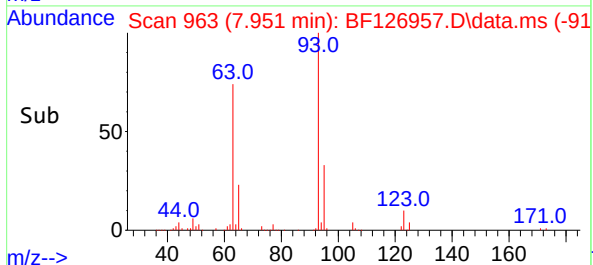
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

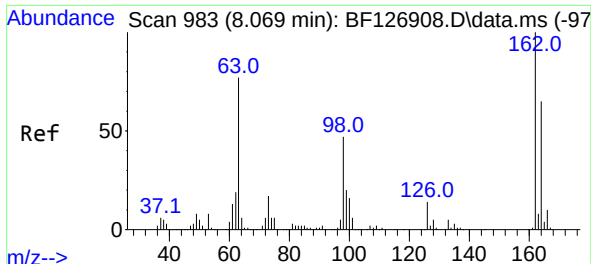


#28  
bis(2-Chloroethoxy)methane  
Concen: 7.917 ng  
RT: 7.951 min Scan# 963  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



Tgt Ion: 93 Resp: 69424  
Ion Ratio Lower Upper  
93 100  
95 33.0 25.4 38.2  
123 10.0 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 7.917 ng

RT: 8.063 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

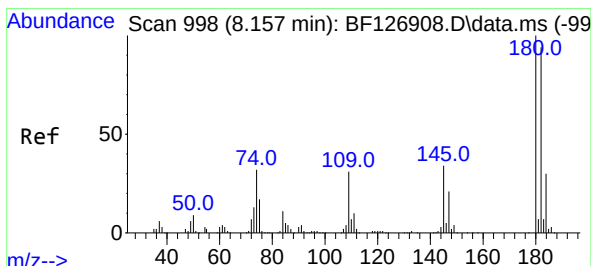
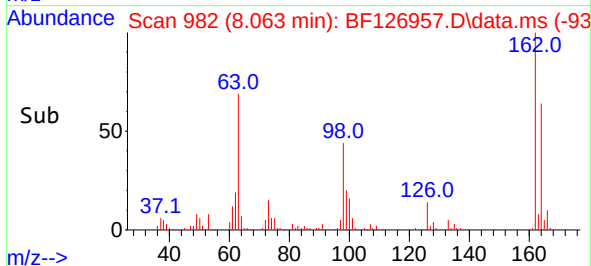
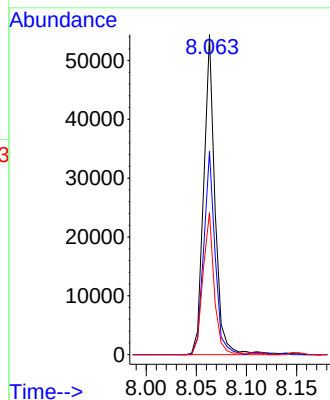
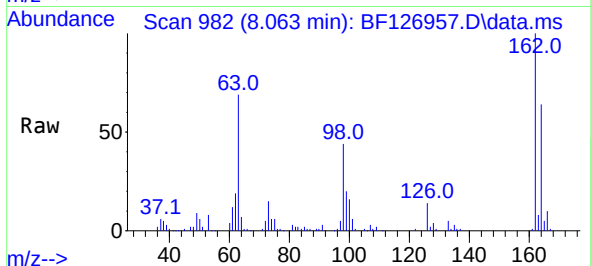
MDL-WATER-03-QT4-2021

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 162   | Resp: | 4298 |
| Ion Ratio | Lower | Upper |      |
| 162       | 100   |       |      |
| 164       | 63.6  | 43.8  | 83.8 |
| 98        | 44.4  | 23.6  | 63.6 |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 8.025 ng

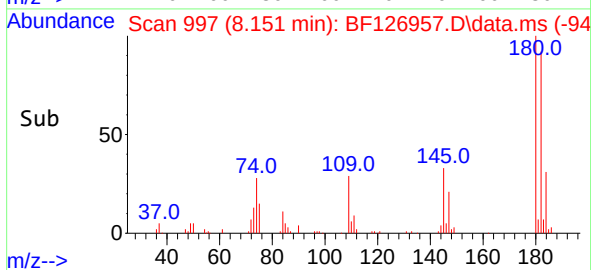
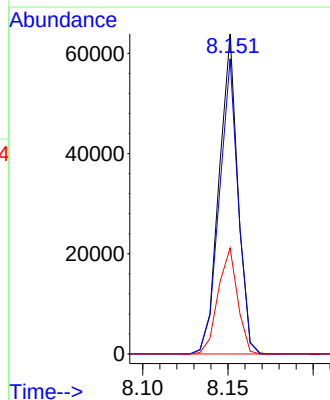
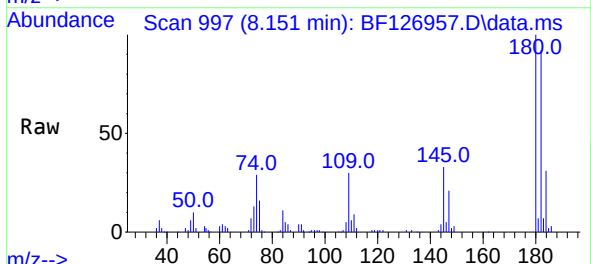
RT: 8.151 min Scan# 997

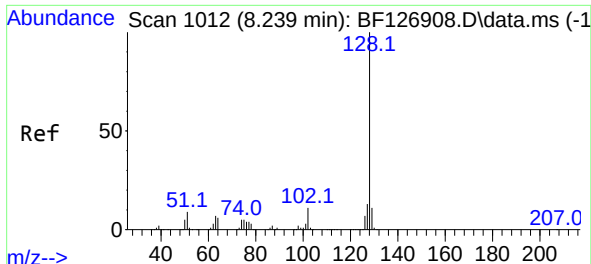
Delta R.T. -0.006 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

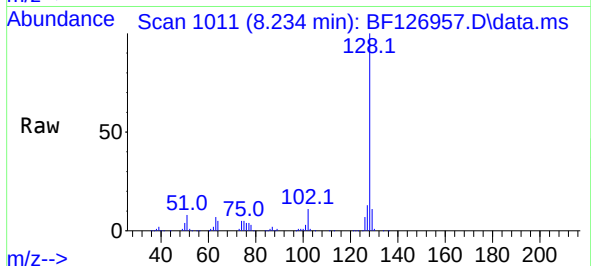
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 48713 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.2  | 75.5  | 113.3 |
| 145       | 33.1  | 26.2  | 39.2  |





#31  
Naphthalene  
Concen: 8.406 ng  
RT: 8.234 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

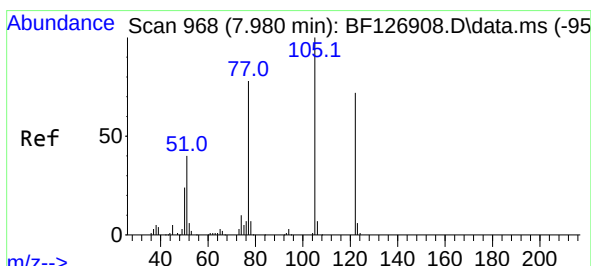
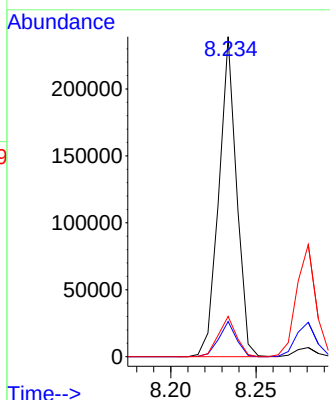
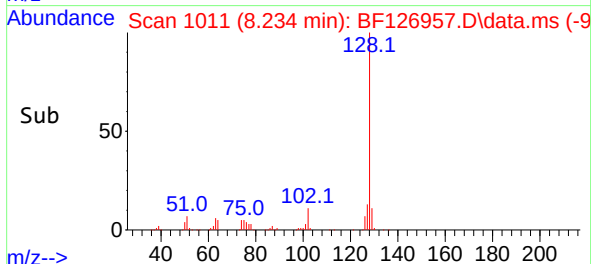
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



Tgt Ion:128 Resp: 173119  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 12.6 10.3 15.5

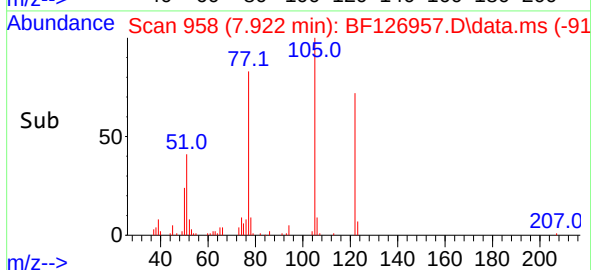
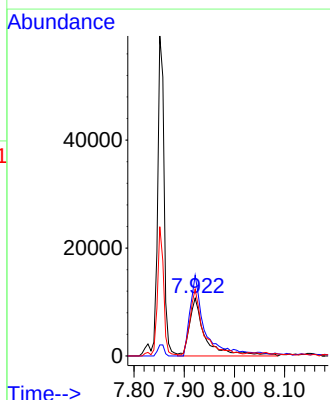
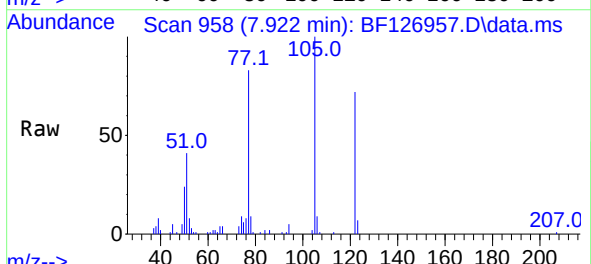
Manual Integrations  
APPROVED

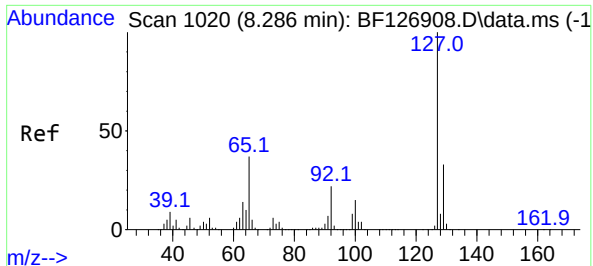
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



#32  
Benzoic acid  
Concen: 5.756 ng m  
RT: 7.922 min Scan# 958  
Delta R.T. -0.059 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Tgt Ion:122 Resp: 23577  
Ion Ratio Lower Upper  
122 100  
105 139.6 101.0 141.0  
77 115.9 74.5 114.5#





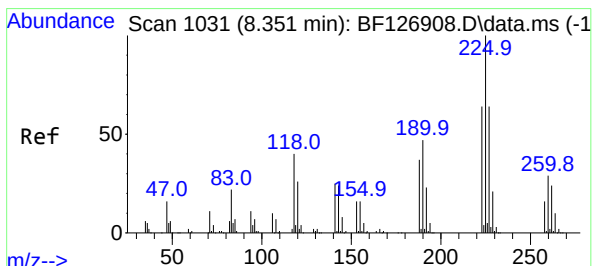
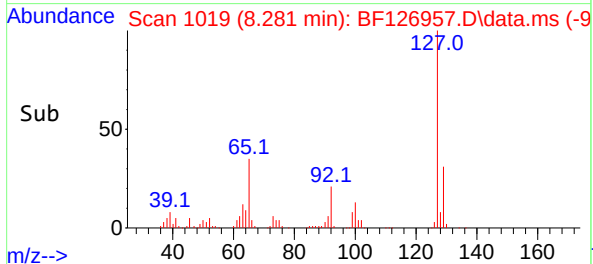
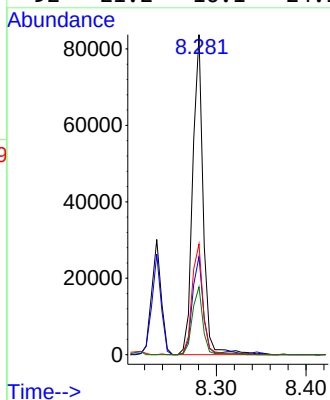
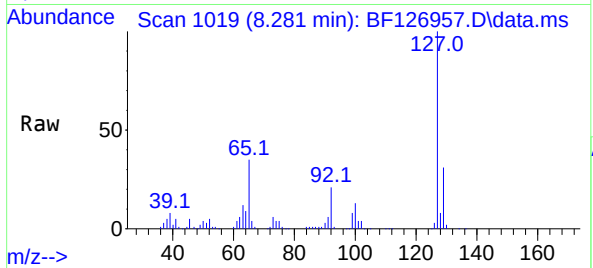
#33  
4-Chloroaniline  
Concen: 8.414 ng  
RT: 8.281 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 127   | Resp: | 6820 |
| Ion Ratio | Lower | Upper |      |
| 127       | 100   |       |      |
| 129       | 30.6  | 26.5  | 39.7 |
| 65        | 34.6  | 26.6  | 39.8 |
| 92        | 21.2  | 16.1  | 24.1 |

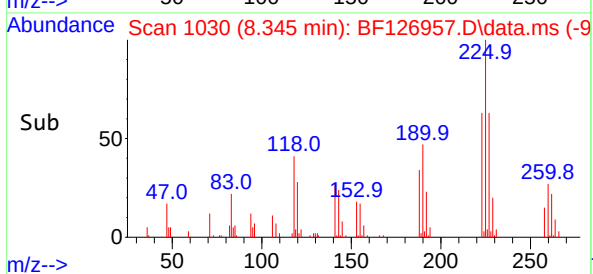
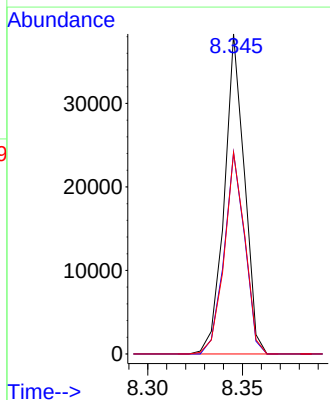
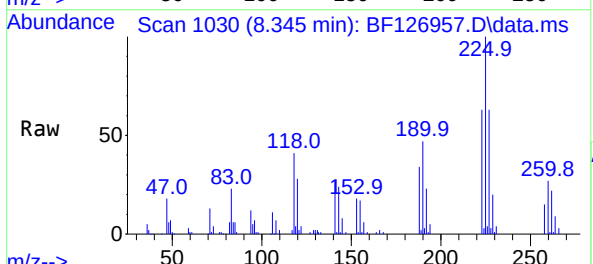
Manual Integrations  
APPROVED

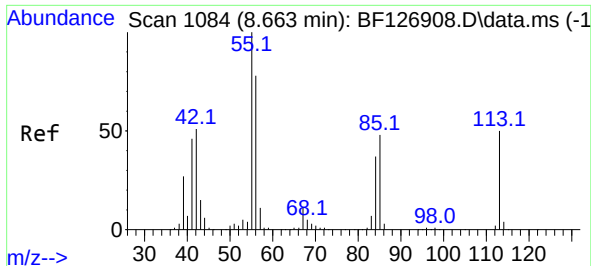
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



#34  
Hexachlorobutadiene  
Concen: 7.941 ng  
RT: 8.345 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

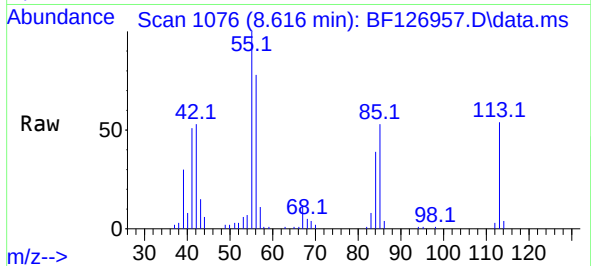
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 28144 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.9  | 48.6  | 73.0  |
| 227       | 62.9  | 51.4  | 77.0  |





#35  
Caprolactam  
Concen: 7.863 ng  
RT: 8.616 min Scan# 1099  
Delta R.T. -0.047 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

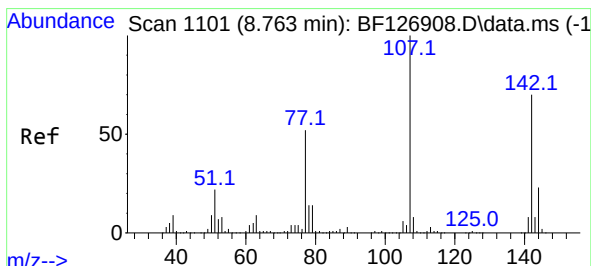
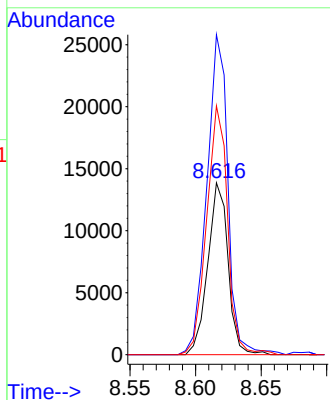
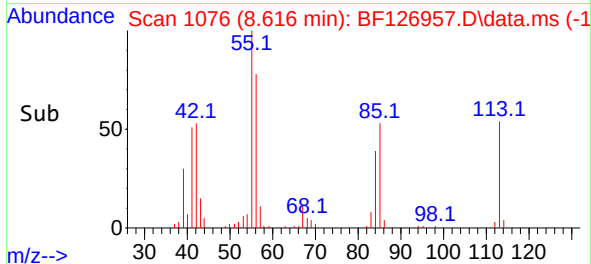
Instrument : BNA\_F  
ClientSampleId : MDL-WATER-03-QT4-2021



Tgt Ion:113 Resp: 14910  
Ion Ratio Lower Upper  
113 100  
55 186.2 183.9 223.9  
56 144.8 129.9 169.9

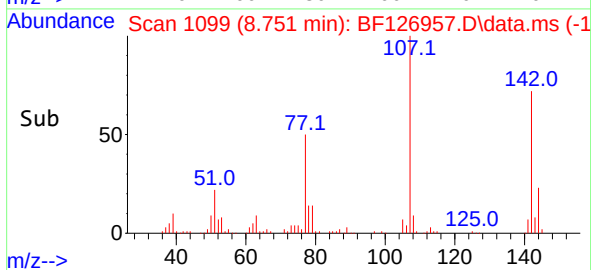
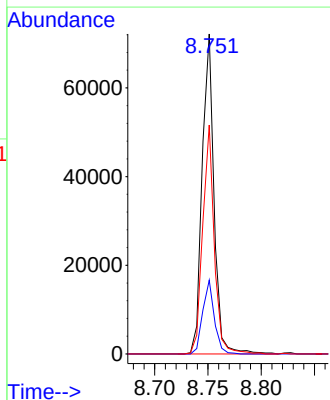
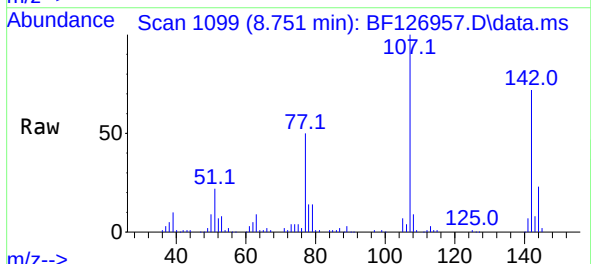
Manual Integrations  
APPROVED

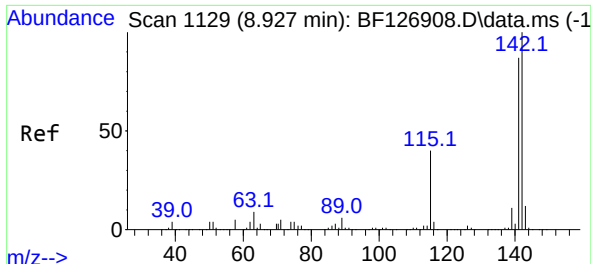
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



#36  
4-Chloro-3-methylphenol  
Concen: 8.108 ng  
RT: 8.751 min Scan# 1099  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Tgt Ion:107 Resp: 56262  
Ion Ratio Lower Upper  
107 100  
144 23.0 18.5 27.7  
142 71.6 58.1 87.1





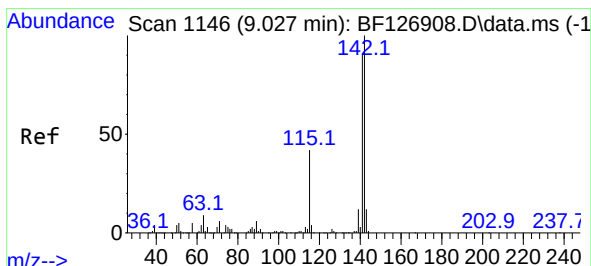
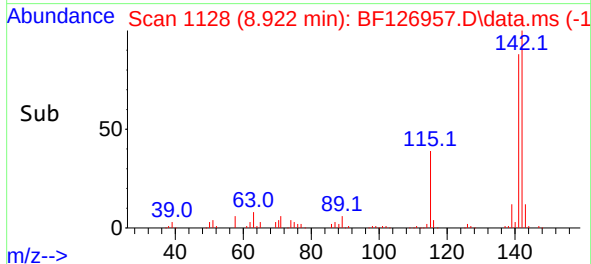
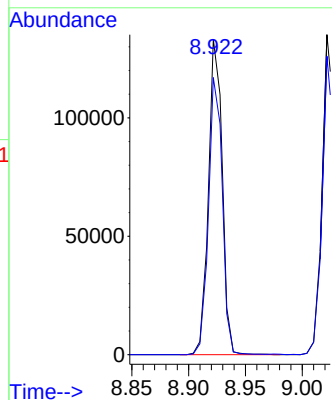
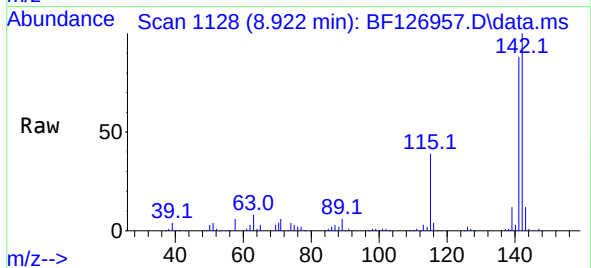
#37  
2-Methylnaphthalene  
Concen: 8.367 ng  
RT: 8.922 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021

Tgt Ion:142 Resp: 111810  
Ion Ratio Lower Upper  
142 100  
141 87.8 68.6 102.8

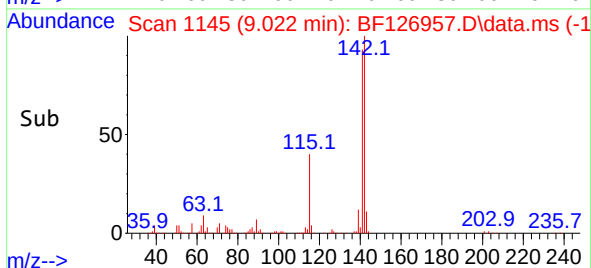
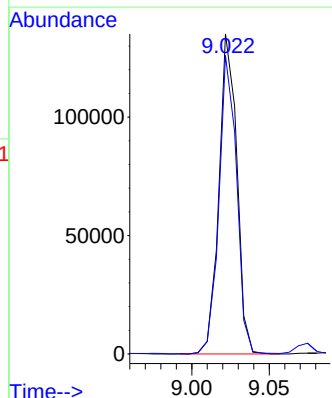
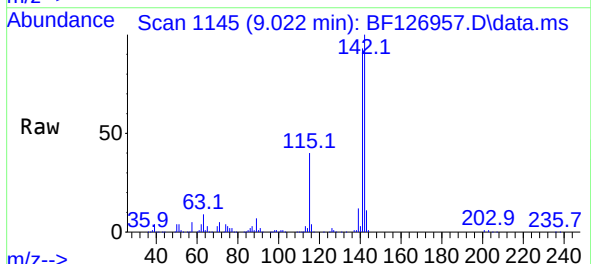
Manual Integrations  
APPROVED

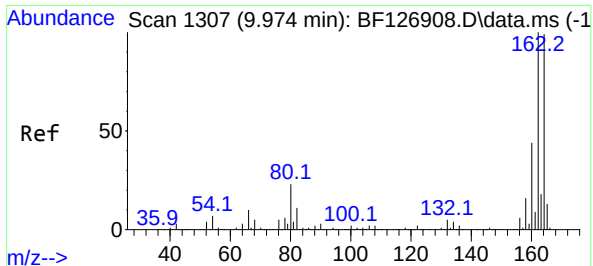
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



#38  
1-Methylnaphthalene  
Concen: 8.458 ng  
RT: 9.022 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Tgt Ion:142 Resp: 108243  
Ion Ratio Lower Upper  
142 100  
141 93.3 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF126957.D

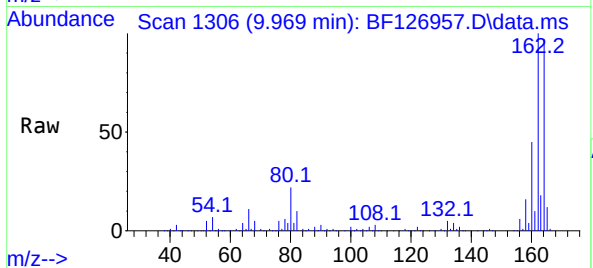
Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

MDL-WATER-03-QT4-2021



Tgt Ion:164 Resp: 20616

Ion Ratio Lower Upper

164 100

162 103.0 81.4 122.0

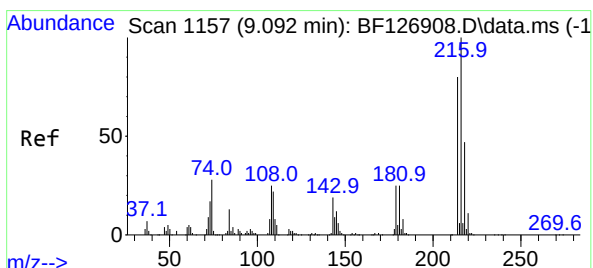
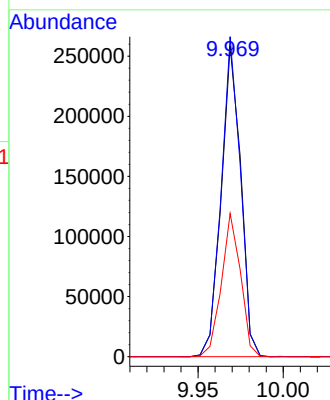
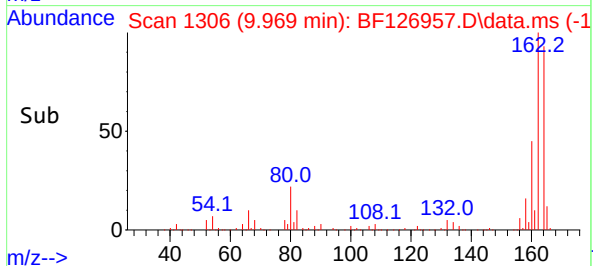
160 46.1 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.316 ng

RT: 9.086 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Tgt Ion:216 Resp: 45128

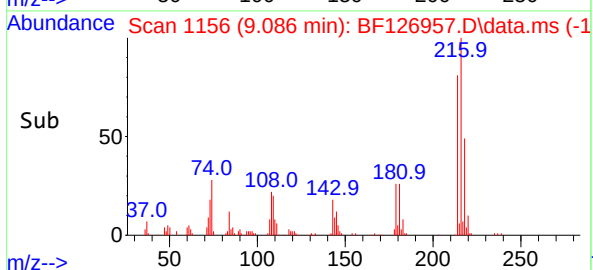
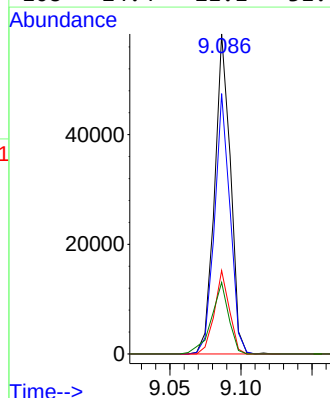
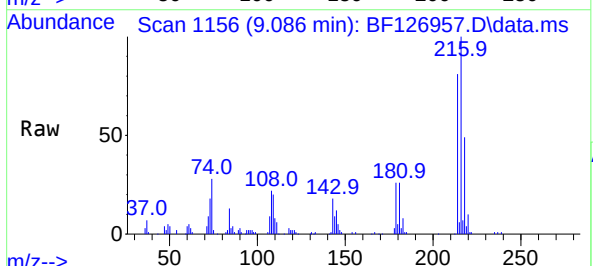
Ion Ratio Lower Upper

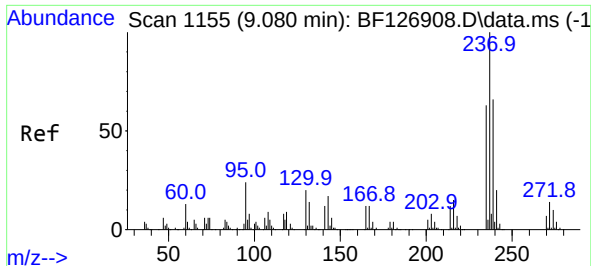
216 100

214 79.6 64.6 96.8

179 24.6 19.5 29.3

108 24.4 21.1 31.7





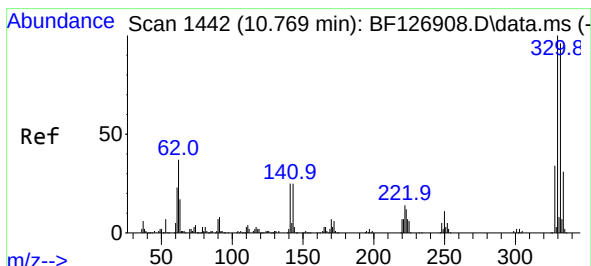
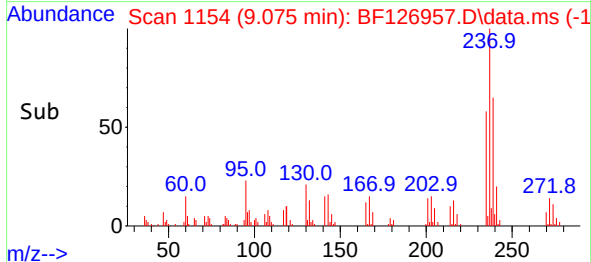
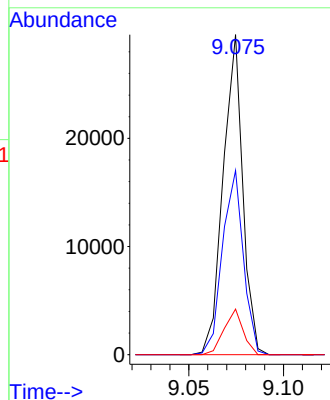
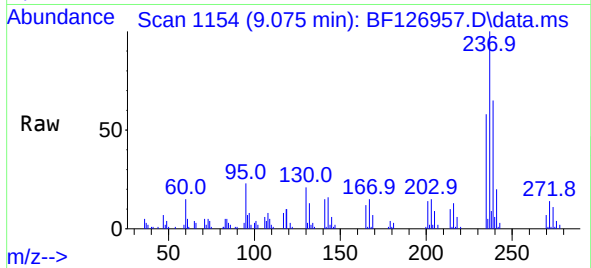
#41  
Hexachlorocyclopentadiene  
Concen: 7.238 ng  
RT: 9.075 min Scan# 1154  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021

Tgt Ion:237 Resp: 21304  
Ion Ratio Lower Upper  
237 100  
235 57.5 38.9 78.9  
272 14.3 0.0 33.5

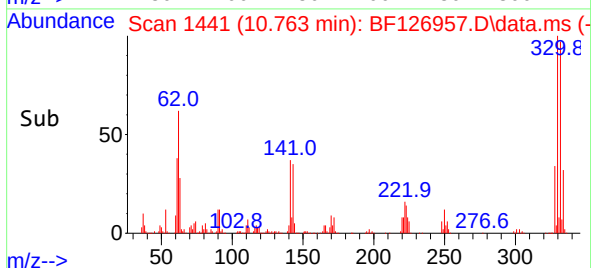
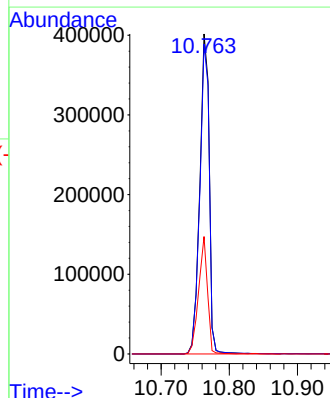
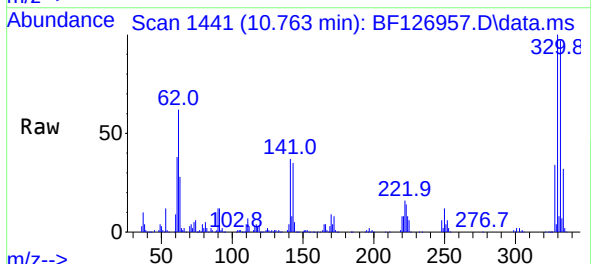
Manual Integrations  
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Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

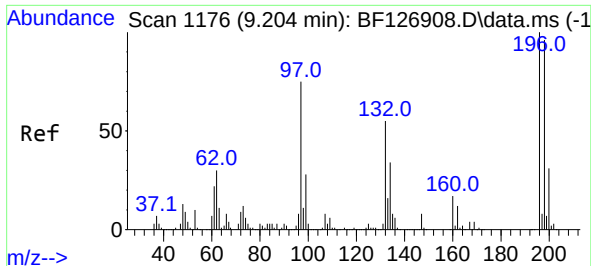


#42  
2,4,6-Tribromophenol  
Concen: 163.514 ng  
RT: 10.763 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Tgt Ion:330 Resp: 388132  
Ion Ratio Lower Upper  
330 100  
332 97.4 76.0 114.0  
141 34.6 30.1 45.1







#43

2,4,6-Trichlorophenol

Concen: 7.662 ng

RT: 9.198 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

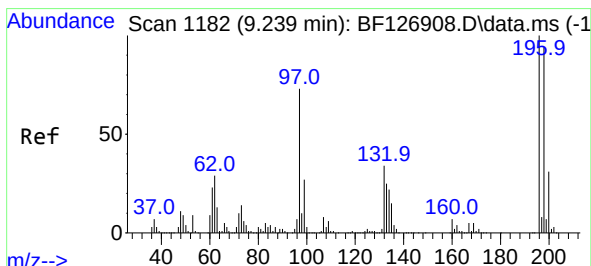
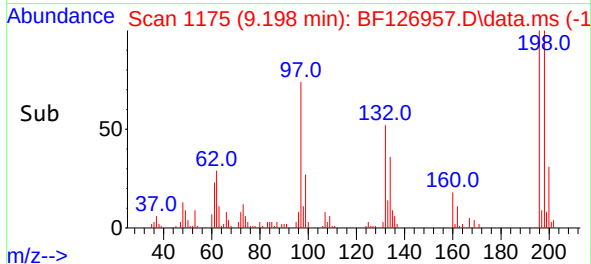
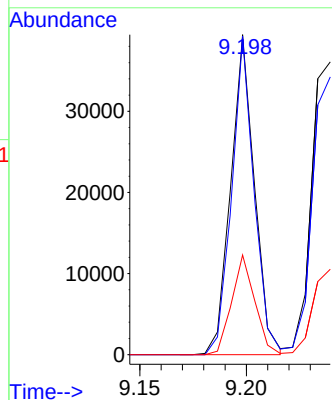
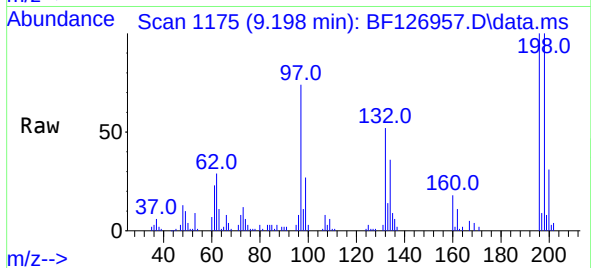
MDL-WATER-03-QT4-2021

Tgt Ion:196 Resp: 30490  
 Ion Ratio Lower Upper  
 196 100  
 198 99.5 78.5 117.7  
 200 31.2 24.9 37.3

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 Supervised By :Jagrut Upadhyay 02/21/2022



#44

2,4,5-Trichlorophenol

Concen: 8.128 ng

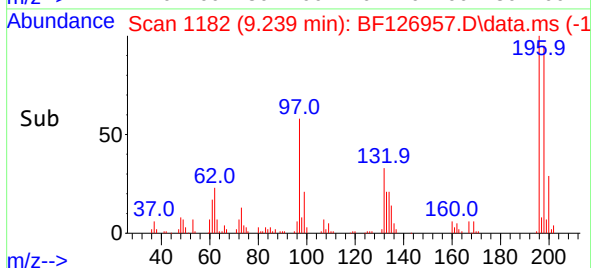
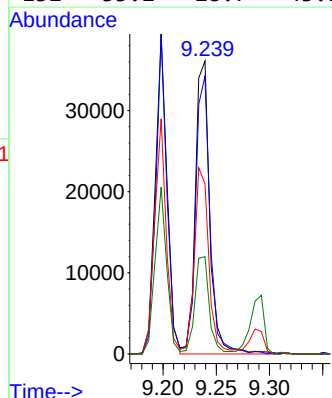
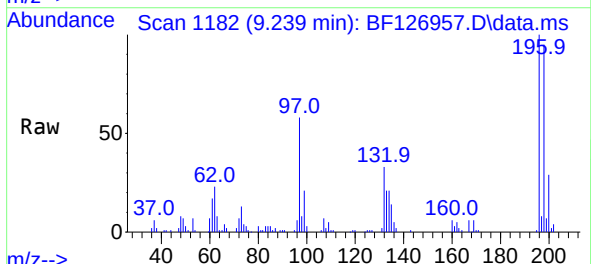
RT: 9.239 min Scan# 1182

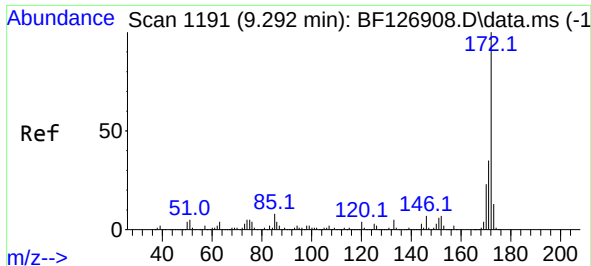
Delta R.T. 0.000 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Tgt Ion:196 Resp: 34045  
 Ion Ratio Lower Upper  
 196 100  
 198 94.8 82.0 123.0  
 97 58.1 53.5 80.3  
 132 33.2 28.7 43.1





#45

2-Fluorobiphenyl

Concen: 85.580 ng

RT: 9.292 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

MDL-WATER-03-QT4-2021

Tgt Ion:172 Resp: 119848

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

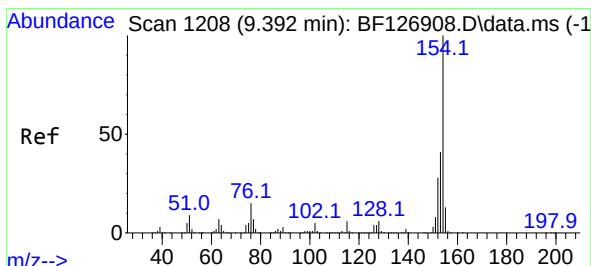
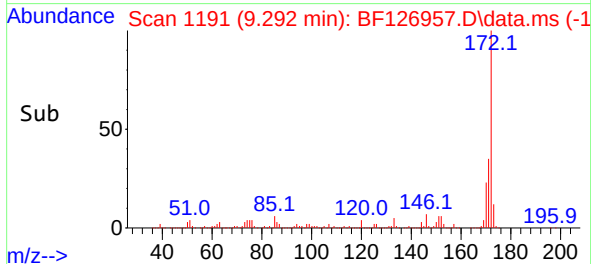
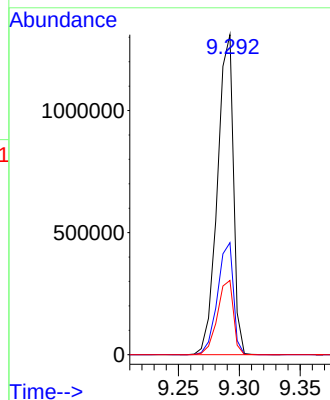
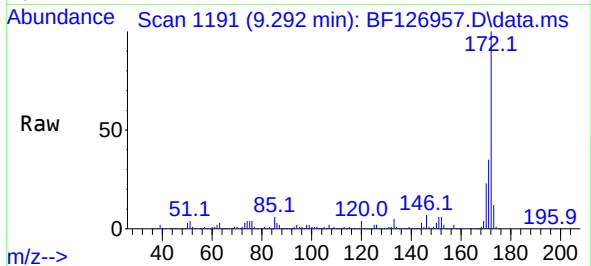
170 23.2 19.0 28.6

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Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#46

1,1'-Biphenyl

Concen: 8.596 ng

RT: 9.386 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

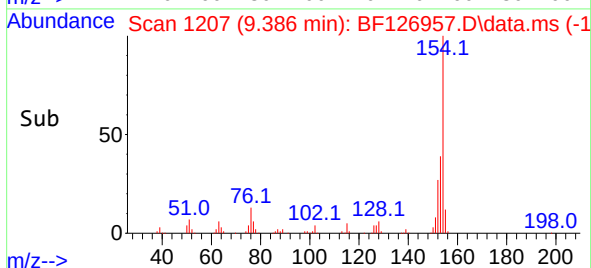
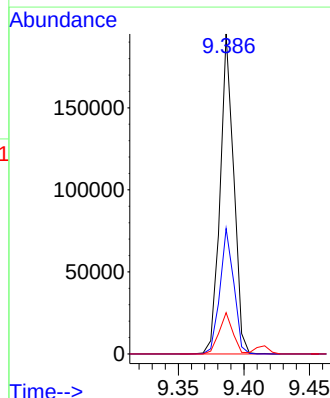
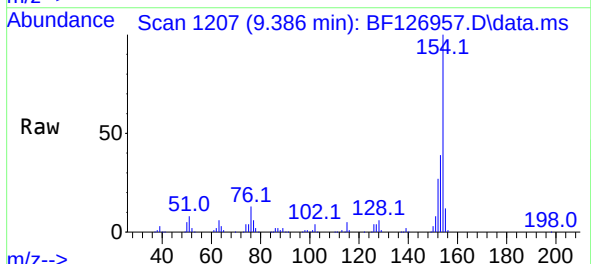
Tgt Ion:154 Resp: 140401

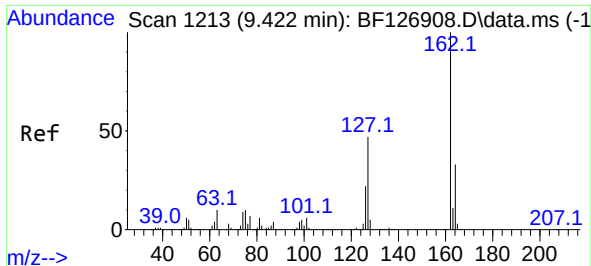
Ion Ratio Lower Upper

154 100

153 39.2 19.0 59.0

76 12.9 0.0 34.5





#47

2-Chloronaphthalene

Concen: 8.020 ng

RT: 9.416 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

MDL-WATER-03-QT4-2021

Tgt Ion:162 Resp: 97139

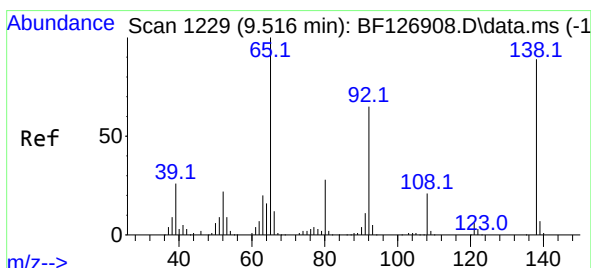
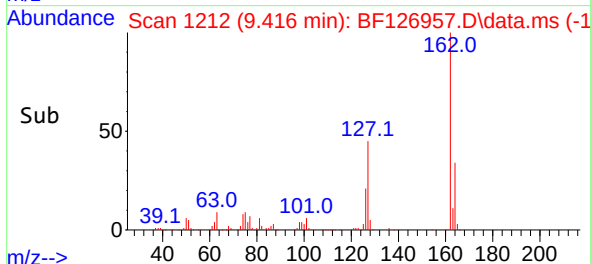
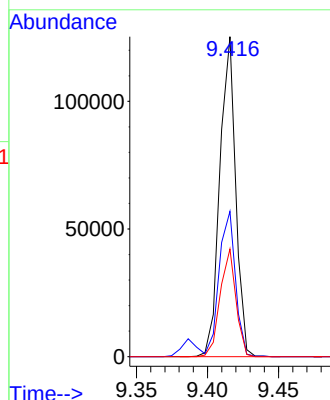
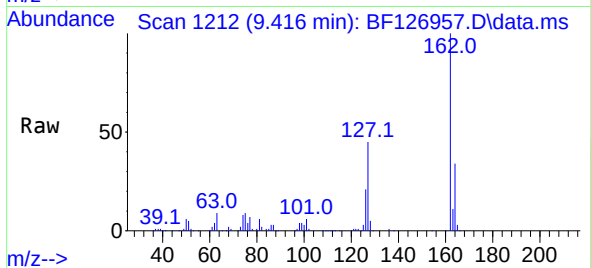
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 45.4  | 33.5  | 50.3  |
| 164 | 33.7  | 26.2  | 39.4  |

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Supervised By :Jagrut Upadhyay 02/21/2022



#48

2-Nitroaniline

Concen: 7.903 ng

RT: 9.504 min Scan# 1227

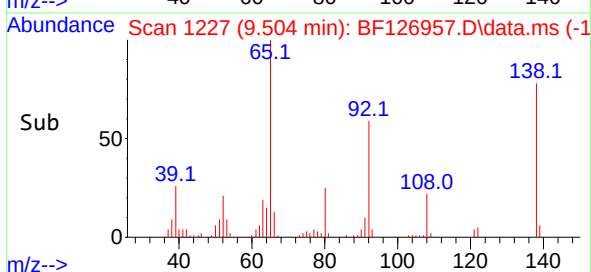
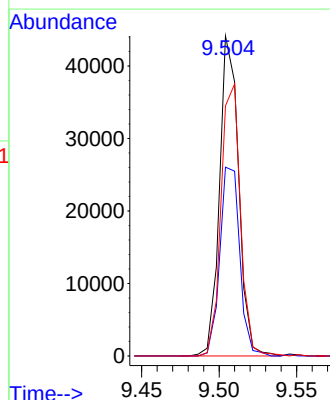
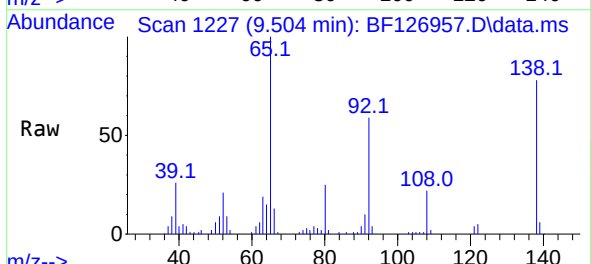
Delta R.T. -0.012 min

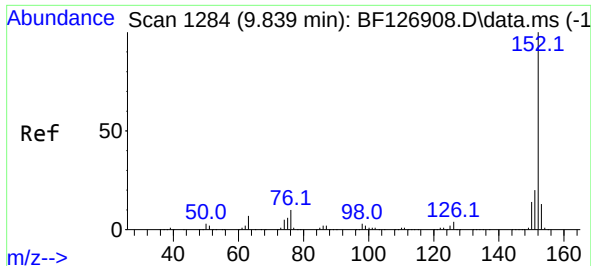
Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Tgt Ion: 65 Resp: 37777

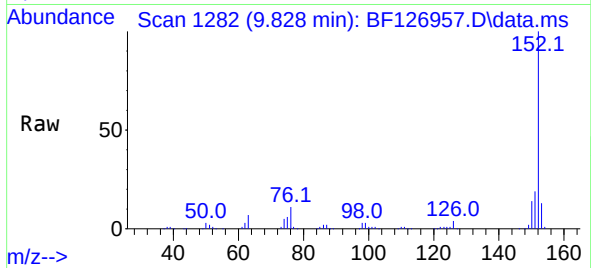
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 59.0  | 54.4  | 81.6  |
| 138 | 78.1  | 72.5  | 108.7 |





#49  
Acenaphthylene  
Concen: 8.861 ng  
RT: 9.828 min Scan# 1282  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

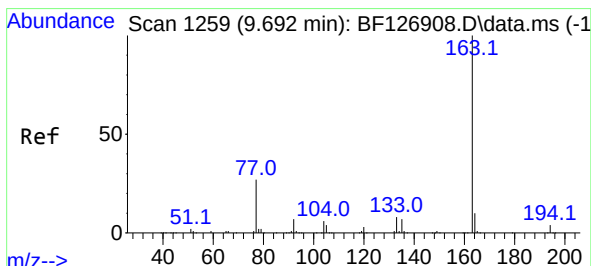
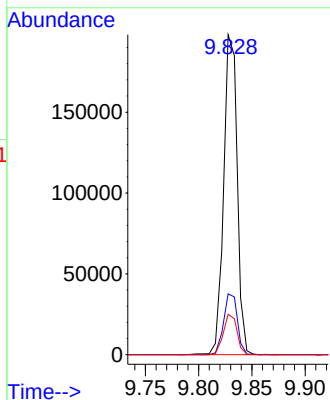
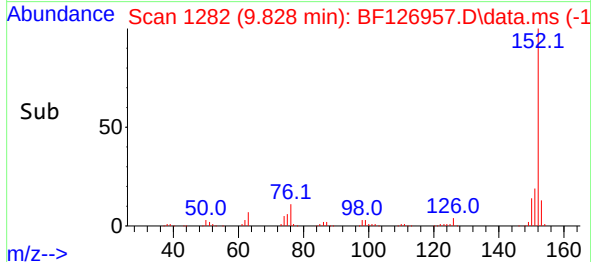
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



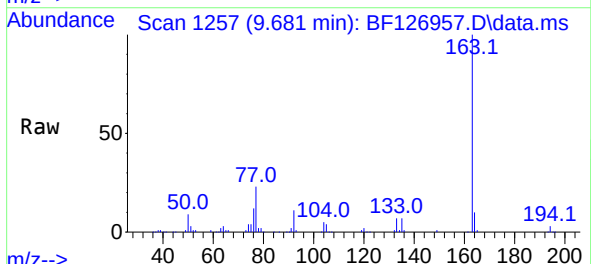
Tgt Ion:152 Resp: 174330  
Ion Ratio Lower Upper  
152 100  
151 19.0 15.7 23.5  
153 12.6 11.4 17.0

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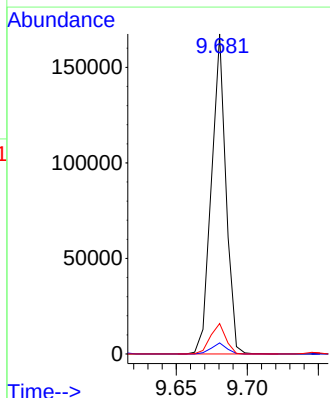
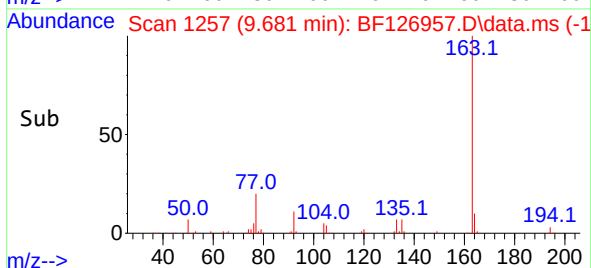
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

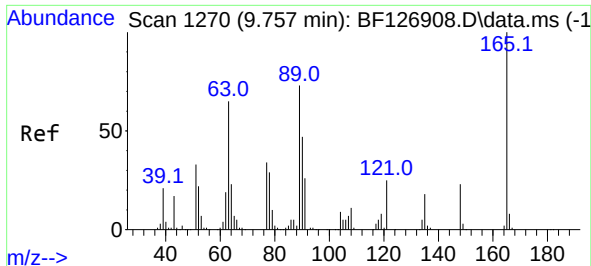


#50  
Dimethylphthalate  
Concen: 8.065 ng  
RT: 9.681 min Scan# 1257  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



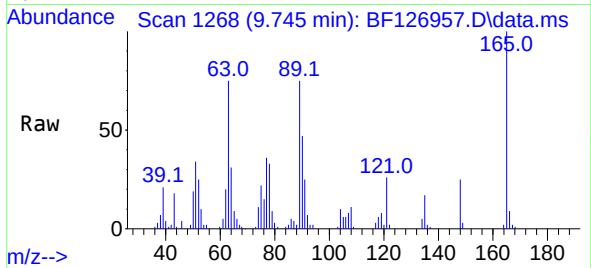
Tgt Ion:163 Resp: 118844  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 3.8  
164 9.5 7.8 11.8





#51  
2,6-Dinitrotoluene  
Concen: 8.422 ng  
RT: 9.745 min Scan# 1268  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

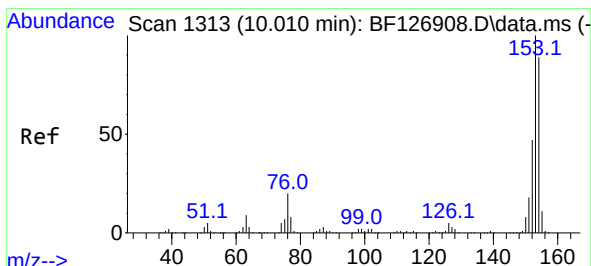
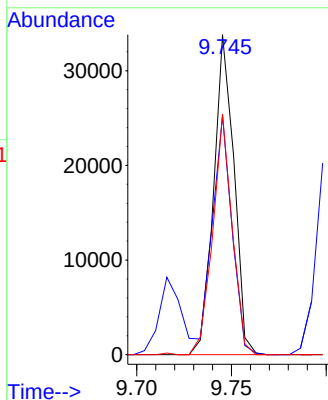
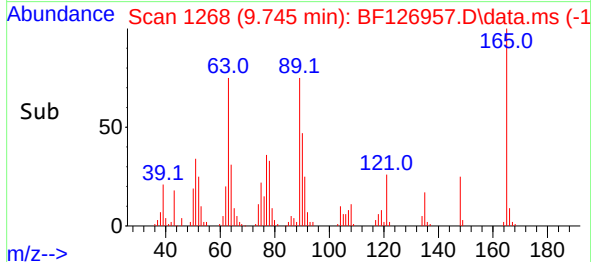
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



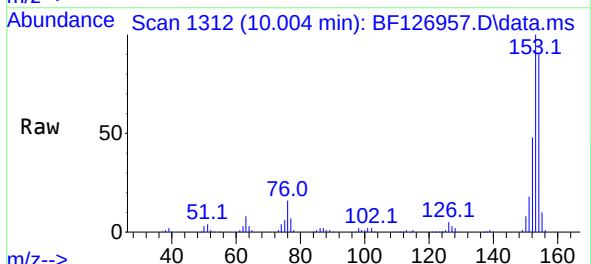
Tgt Ion:165 Resp: 25249  
Ion Ratio Lower Upper  
165 100  
63 74.8 48.4 72.6  
89 75.1 50.5 75.7

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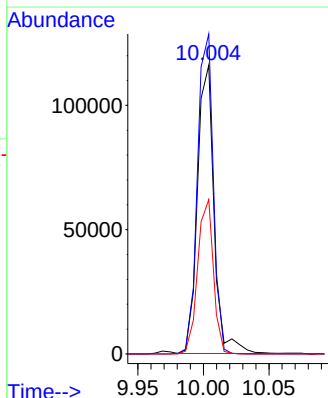
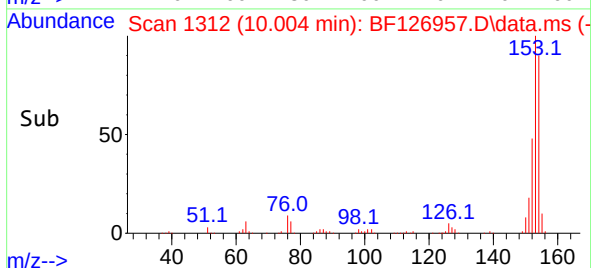
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

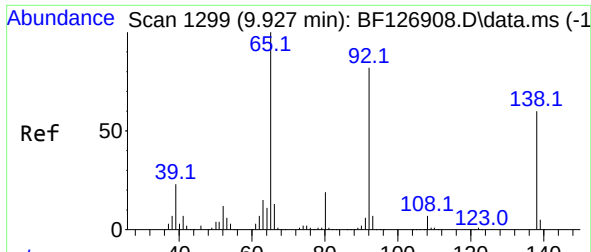


#52  
Acenaphthene  
Concen: 8.013 ng  
RT: 10.004 min Scan# 1312  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



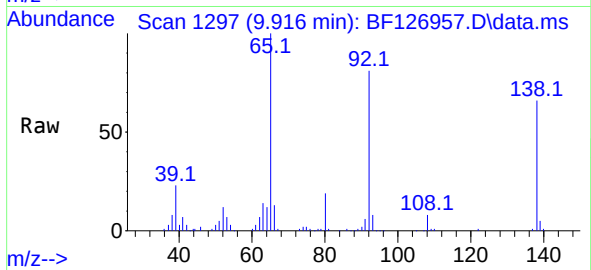
Tgt Ion:154 Resp: 102533  
Ion Ratio Lower Upper  
154 100  
153 110.9 87.8 131.6  
152 53.5 39.4 59.2





#53  
3-Nitroaniline  
Concen: 7.844 ng  
RT: 9.916 min Scan# 1315  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

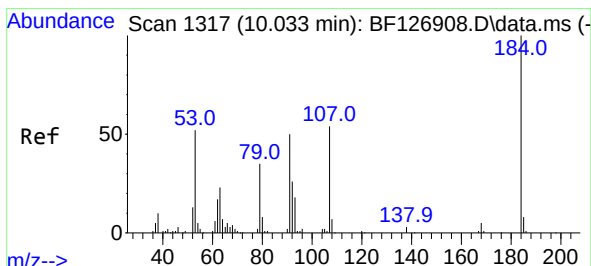
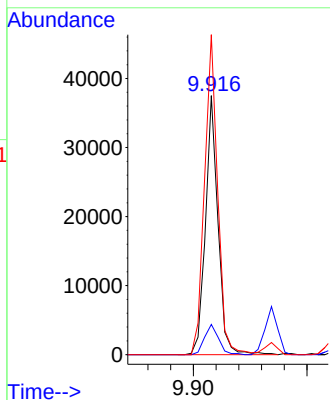
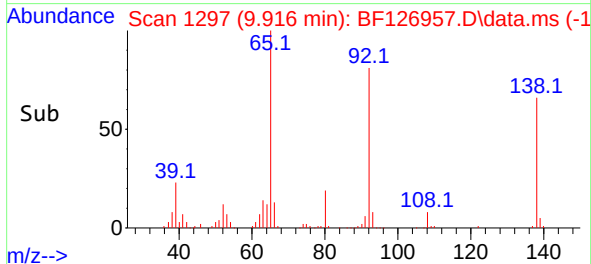
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



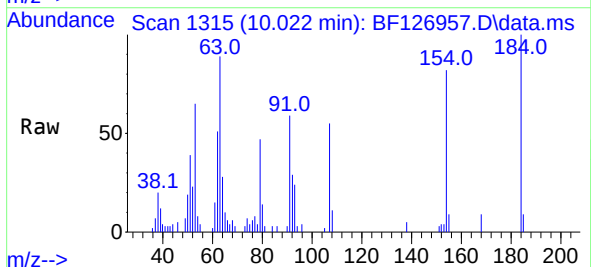
Tgt Ion:138 Resp: 2874  
Ion Ratio Lower Upper  
138 100  
108 11.7 8.6 13.0  
92 123.5 105.0 157.6

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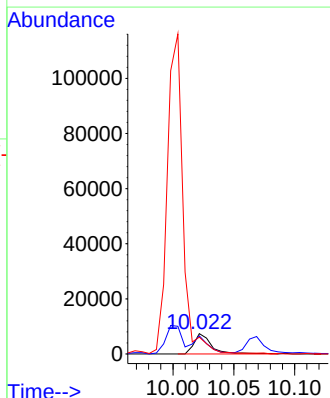
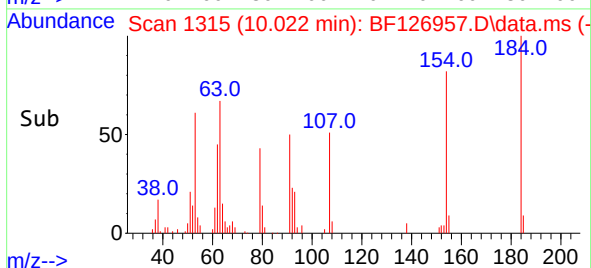
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

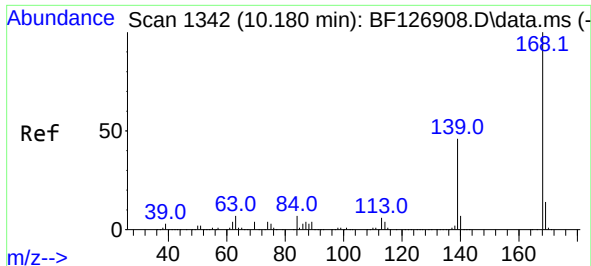


#54  
2,4-Dinitrophenol  
Concen: 4.612 ng  
RT: 10.022 min Scan# 1315  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



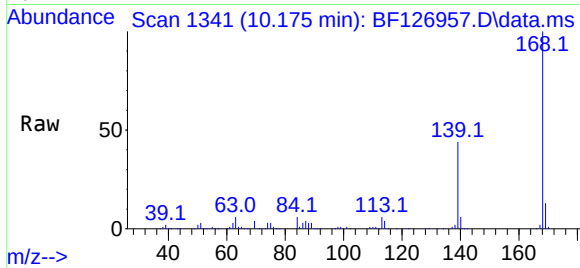
Tgt Ion:184 Resp: 7319  
Ion Ratio Lower Upper  
184 100  
63 89.0 70.4 105.6  
154 82.4 49.7 74.5#





#55  
Dibenzofuran  
Concen: 8.252 ng  
RT: 10.175 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

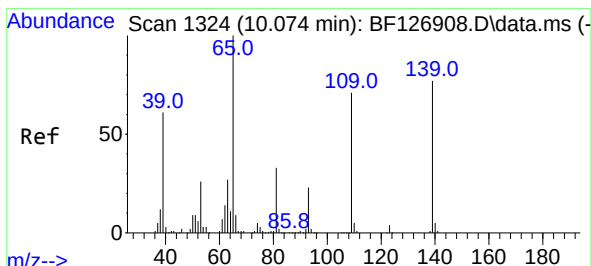
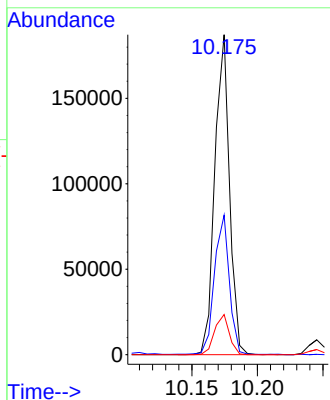
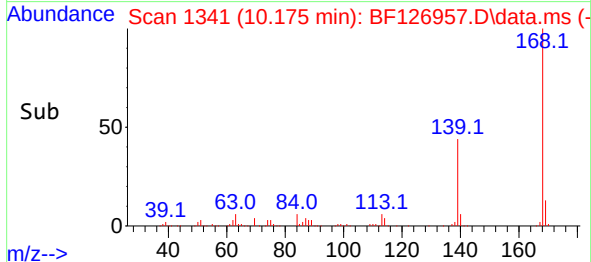
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



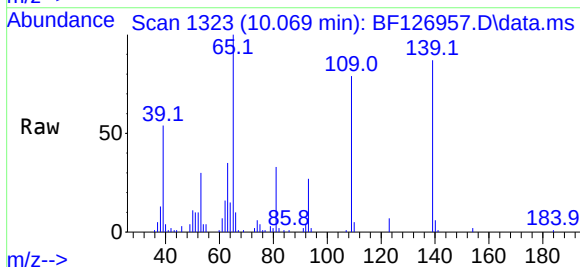
Tgt Ion:168 Resp: 145199  
Ion Ratio Lower Upper  
168 100  
139 43.6 30.6 46.0  
169 12.6 10.0 15.0

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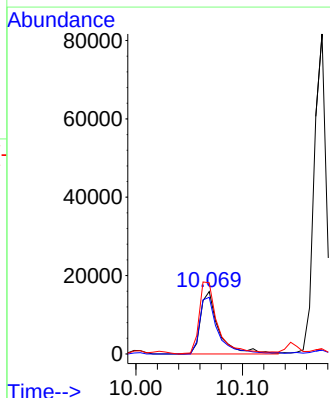
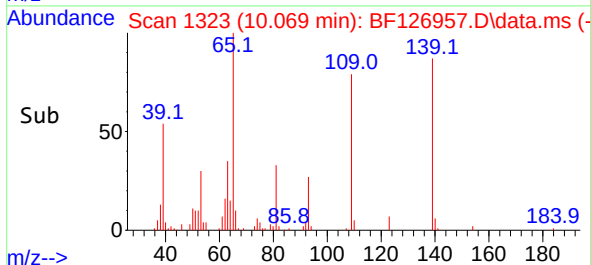
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

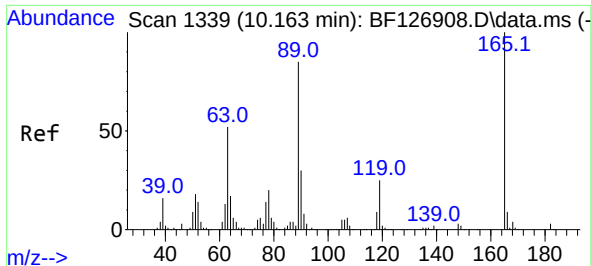


#56  
4-Nitrophenol  
Concen: 6.948 ng  
RT: 10.069 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



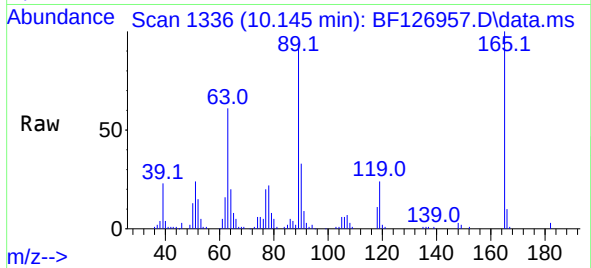
Tgt Ion:139 Resp: 18806  
Ion Ratio Lower Upper  
139 100  
109 90.8 44.1 84.1#  
65 114.4 85.5 125.5





#57  
2,4-Dinitrotoluene  
Concen: 8.105 ng  
RT: 10.145 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

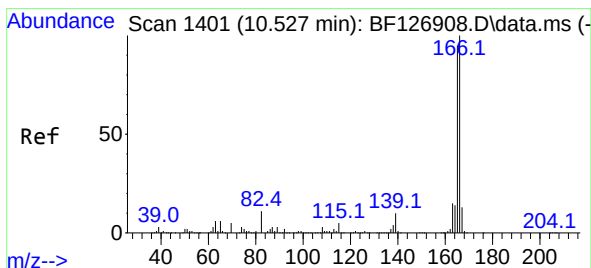
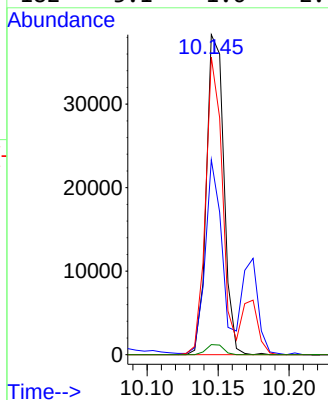
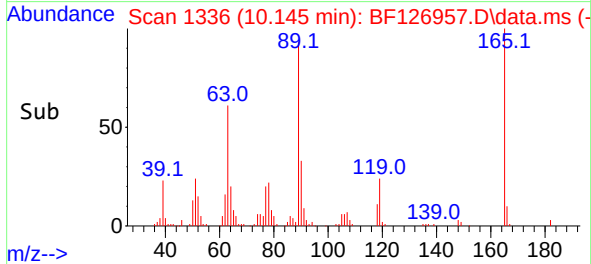
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



Tgt Ion:165 Resp: 3285  
Ion Ratio Lower Upper  
165 100  
63 60.9 43.0 64.6  
89 93.0 71.0 106.4  
182 3.1 1.6 2.4#

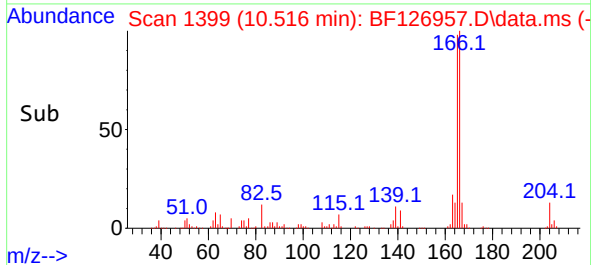
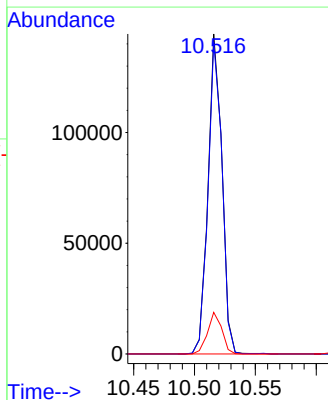
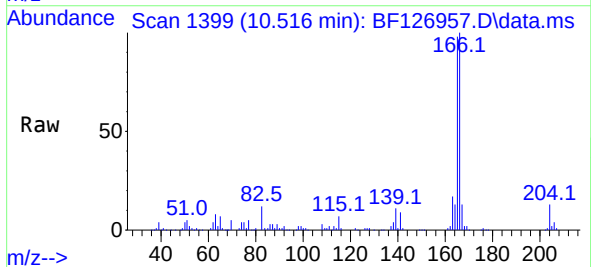
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

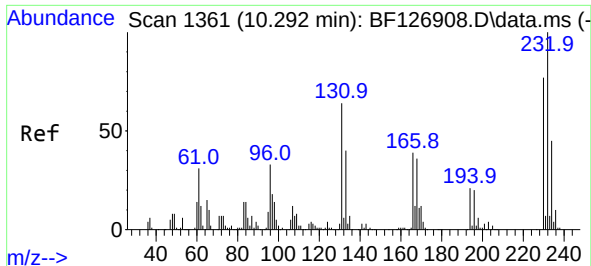


#58  
Fluorene  
Concen: 8.346 ng  
RT: 10.516 min Scan# 1399  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Tgt Ion:166 Resp: 114391  
Ion Ratio Lower Upper  
166 100  
165 97.6 77.7 116.5  
167 13.0 10.7 16.1







#59

2,3,4,6-Tetrachlorophenol

Concen: 7.794 ng

RT: 10.286 min Scan# 1360

Delta R.T. -0.006 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

MDL-WATER-03-QT4-2021

Tgt Ion:232 Resp: 25880

Ion Ratio Lower Upper

232 100

131 58.9 50.0 75.0

130 3.0 2.2 3.2

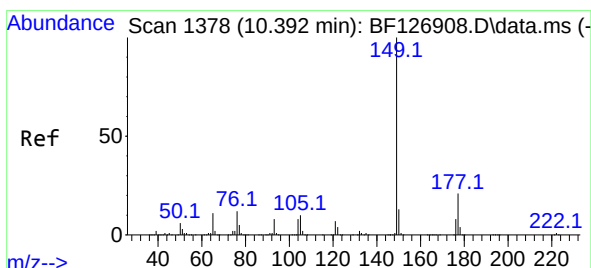
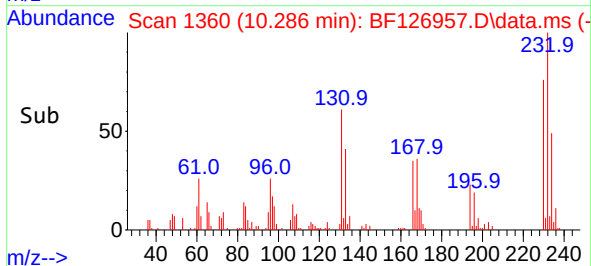
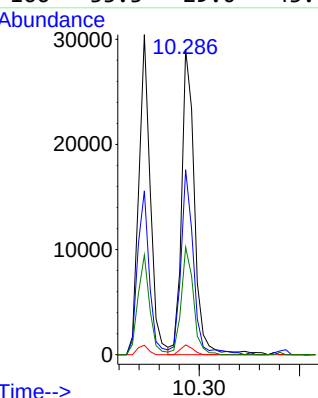
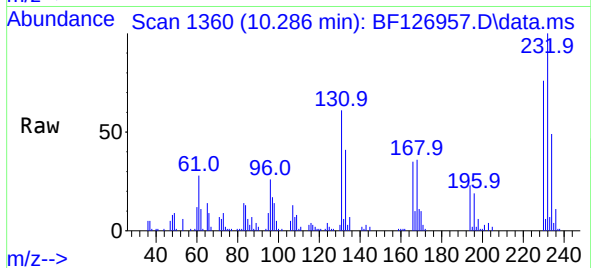
166 33.3 29.0 43.4

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#60

Diethylphthalate

Concen: 8.450 ng

RT: 10.380 min Scan# 1376

Delta R.T. -0.012 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

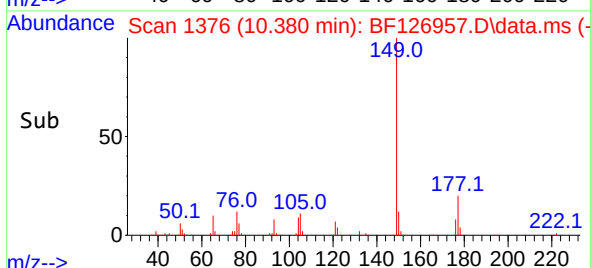
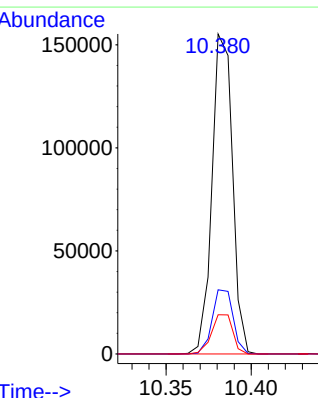
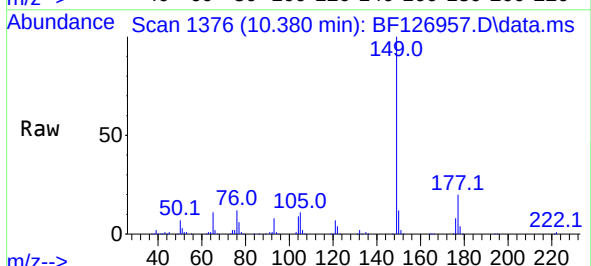
Tgt Ion:149 Resp: 130110

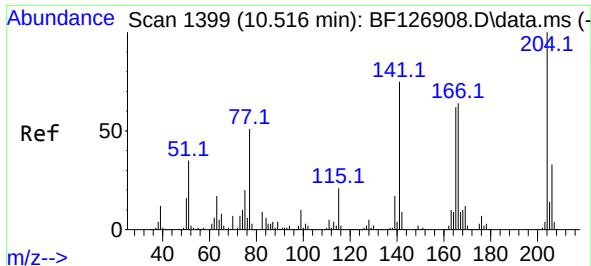
Ion Ratio Lower Upper

149 100

177 20.0 16.7 25.1

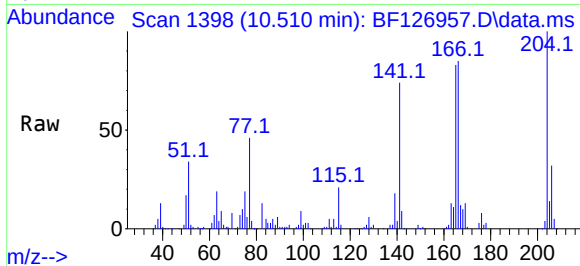
150 12.3 9.8 14.8





#61  
4-Chlorophenyl-phenylether  
Concen: 8.168 ng  
RT: 10.510 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

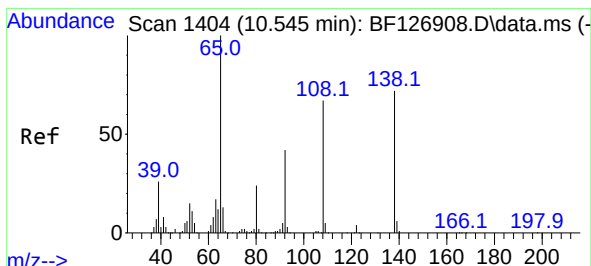
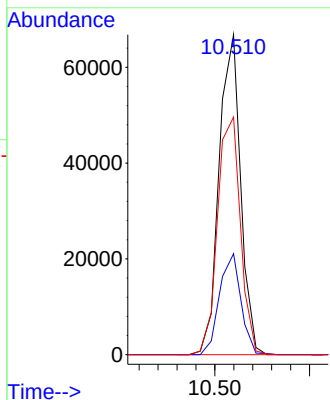
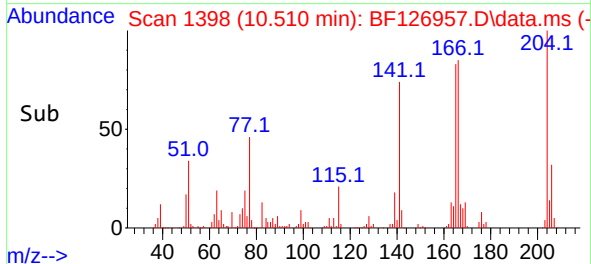
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



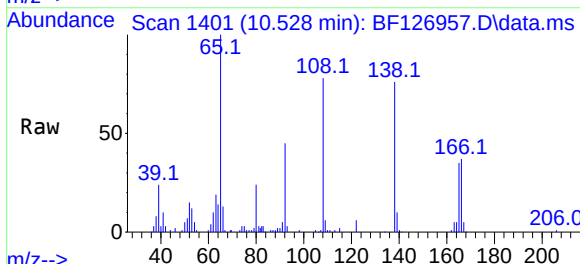
Tgt Ion:204 Resp: 52789  
Ion Ratio Lower Upper  
204 100  
206 31.5 26.3 39.5  
141 74.3 59.0 88.6

Manual Integrations  
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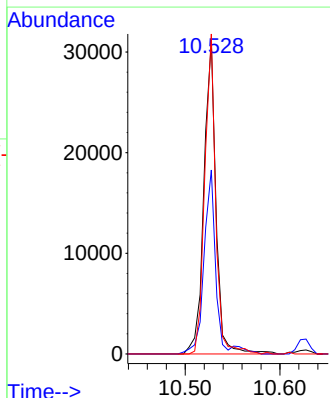
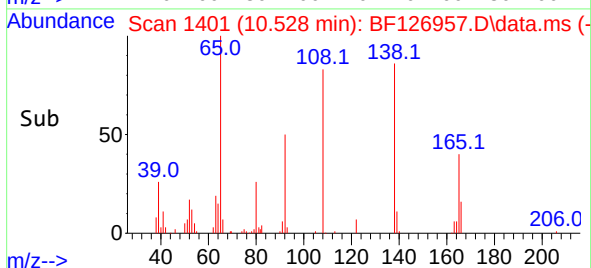
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

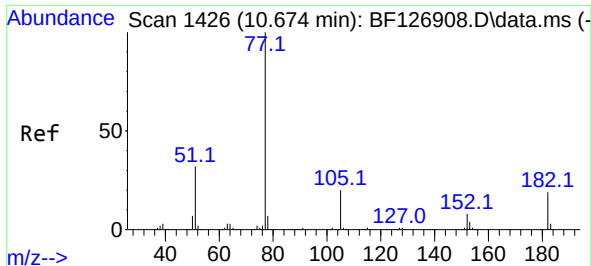


#62  
4-Nitroaniline  
Concen: 7.624 ng  
RT: 10.528 min Scan# 1401  
Delta R.T. -0.017 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



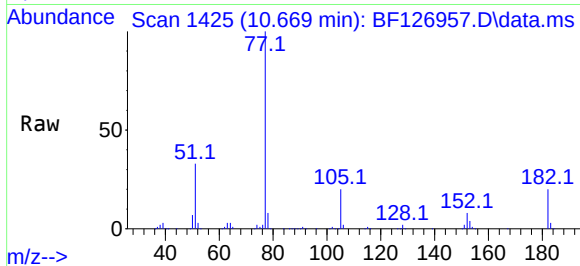
Tgt Ion:138 Resp: 27591  
Ion Ratio Lower Upper  
138 100  
92 58.9 36.2 76.2  
108 102.4 46.7 86.7#





#63  
Azobenzene  
Concen: 7.899 ng  
RT: 10.669 min Scan# 1425  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

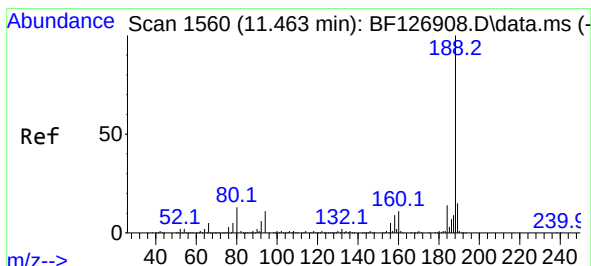
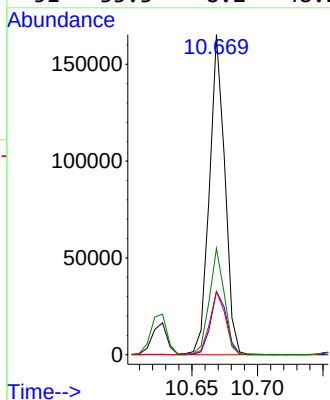
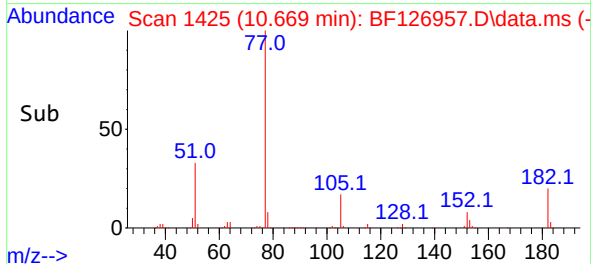
Instrument : BNA\_F  
ClientSampleId : MDL-WATER-03-QT4-2021



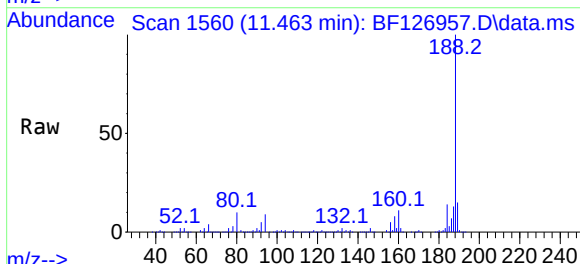
Tgt Ion: 77 Resp: 135434  
Ion Ratio Lower Upper  
77 100  
182 19.7 0.0 39.0  
105 19.7 3.2 43.2  
51 33.3 8.2 48.2

Manual Integrations  
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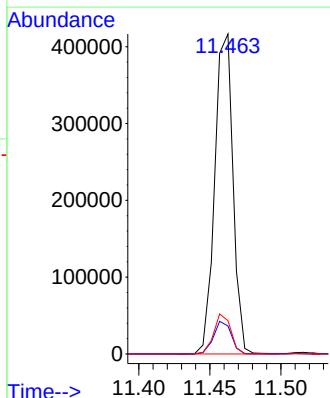
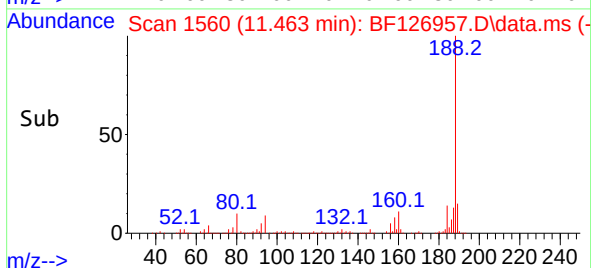
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

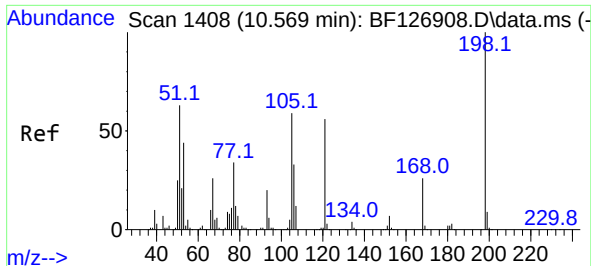


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.463 min Scan# 1560  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



Tgt Ion:188 Resp: 373227  
Ion Ratio Lower Upper  
188 100  
94 8.7 10.1 15.1#  
80 10.4 11.8 17.6#





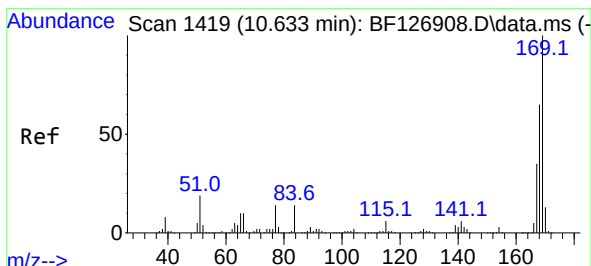
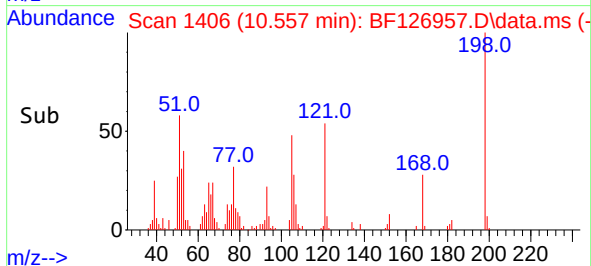
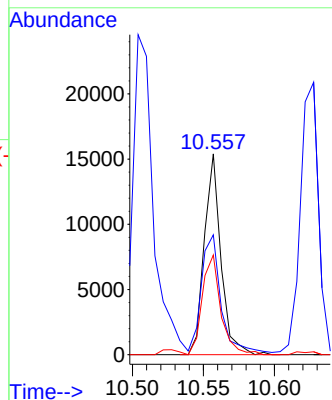
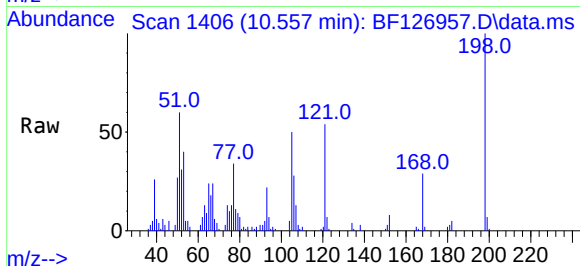
#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.739 ng  
RT: 10.557 min Scan# 1406  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021

Tgt Ion:198 Resp: 12580  
Ion Ratio Lower Upper  
198 100  
51 59.7 32.0 72.0  
105 49.6 32.7 72.7

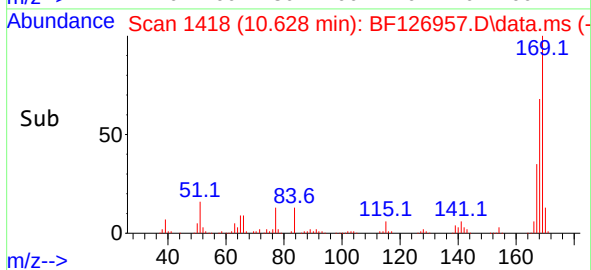
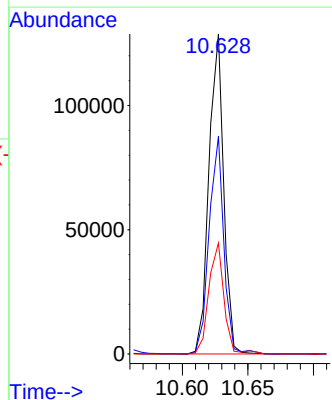
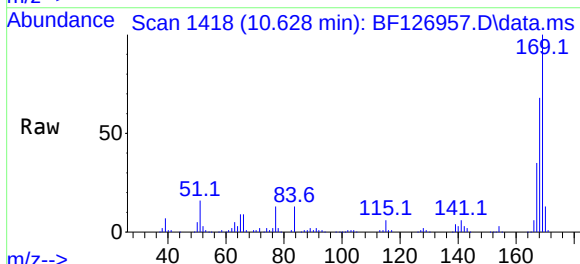
Manual Integrations  
APPROVED

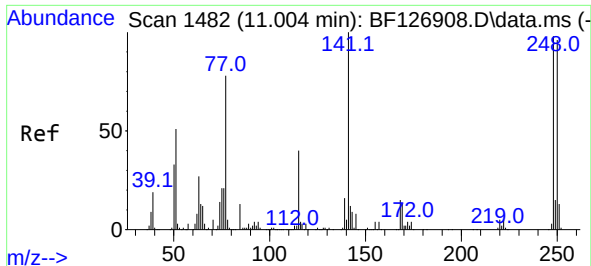
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



#66  
n-Nitrosodiphenylamine  
Concen: 8.243 ng  
RT: 10.628 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

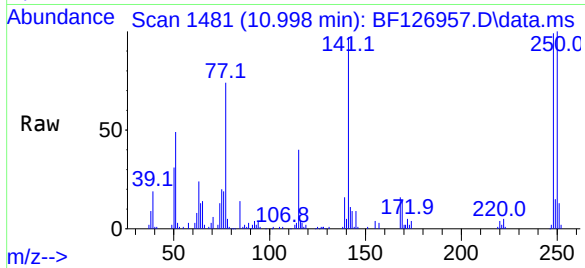
Tgt Ion:169 Resp: 100885  
Ion Ratio Lower Upper  
169 100  
168 68.0 53.4 80.0  
167 34.6 29.4 44.0





#67  
4-Bromophenyl-phenylether  
Concen: 7.913 ng  
RT: 10.998 min Scan# 1481  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

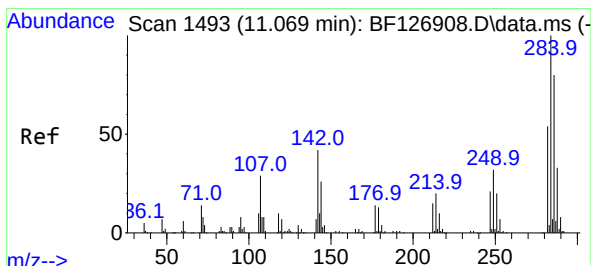
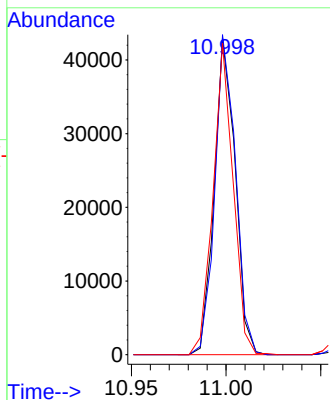
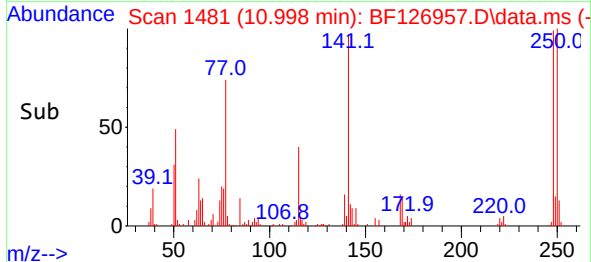
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



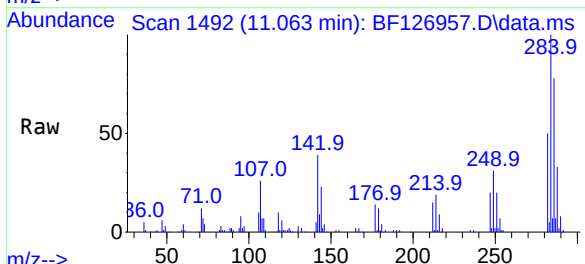
Tgt Ion:248 Resp: 32998  
Ion Ratio Lower Upper  
248 100  
250 101.0 76.2 114.4  
141 98.3 66.2 99.4

Manual Integrations  
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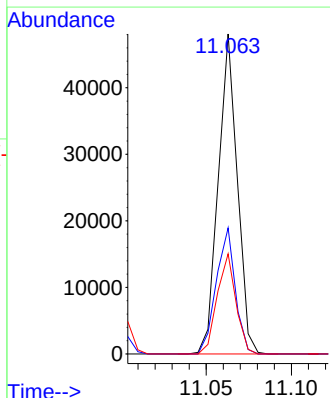
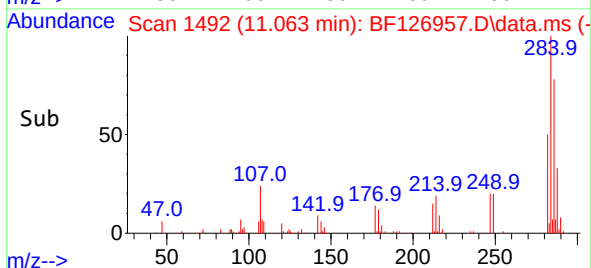
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

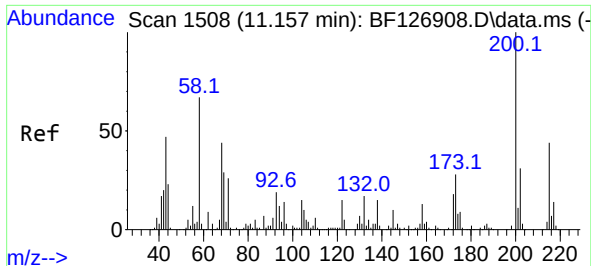


#68  
Hexachlorobenzene  
Concen: 8.324 ng  
RT: 11.063 min Scan# 1492  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



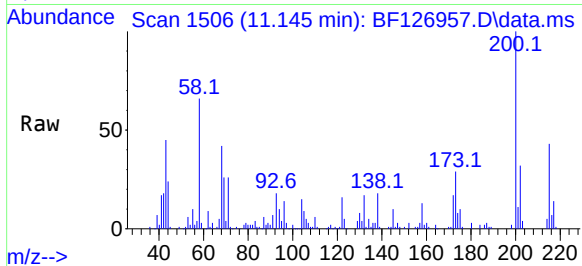
Tgt Ion:284 Resp: 37370  
Ion Ratio Lower Upper  
284 100  
142 39.4 30.7 46.1  
249 31.3 21.1 31.7





#69  
Atrazine  
Concen: 8.295 ng  
RT: 11.145 min Scan# 1506  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

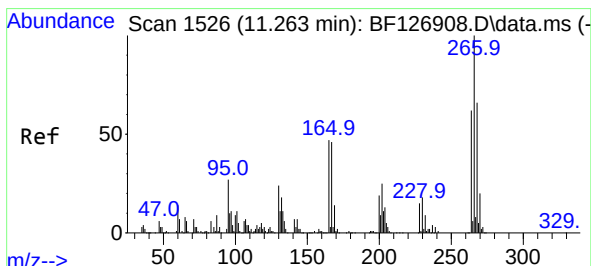
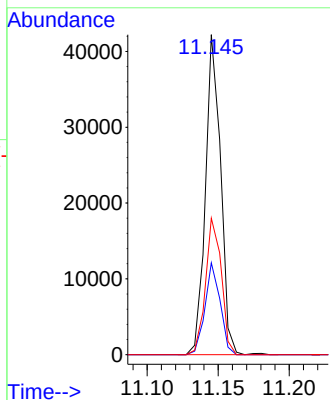
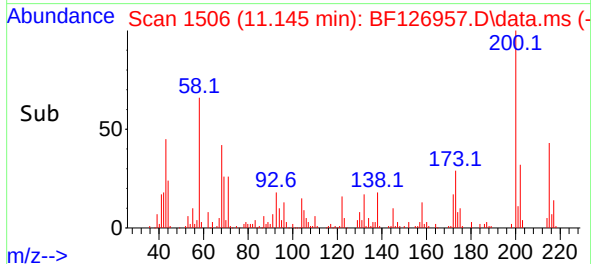
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



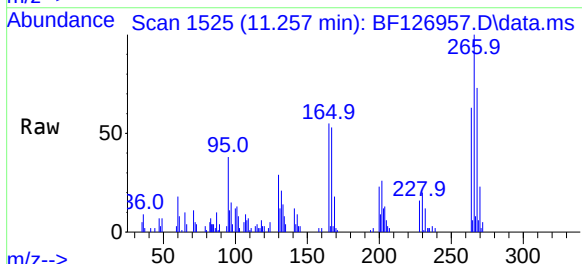
Tgt Ion:200 Resp: 31480  
Ion Ratio Lower Upper  
200 100  
173 28.7 9.2 49.2  
215 42.6 23.2 63.2

Manual Integrations  
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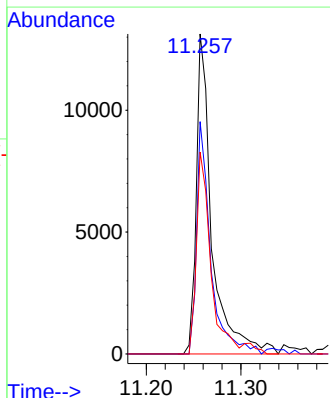
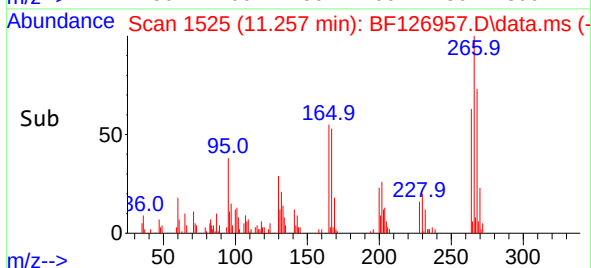
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

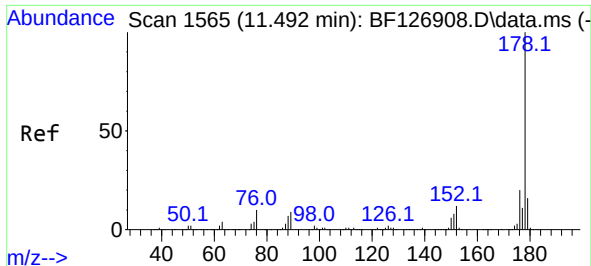


#70  
Pentachlorophenol  
Concen: 6.139 ng  
RT: 11.257 min Scan# 1525  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



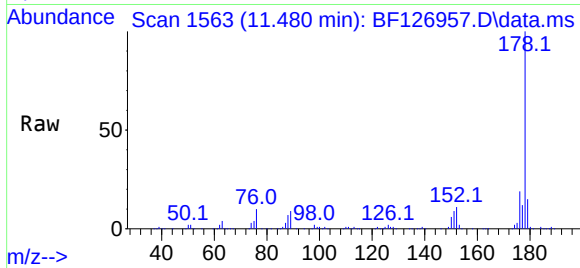
Tgt Ion:266 Resp: 15044  
Ion Ratio Lower Upper  
266 100  
268 72.6 52.3 78.5  
264 63.1 50.4 75.6





#71  
Phenanthrene  
Concen: 8.408 ng  
RT: 11.480 min Scan# 1565  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

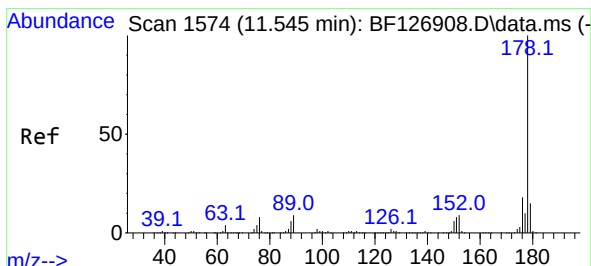
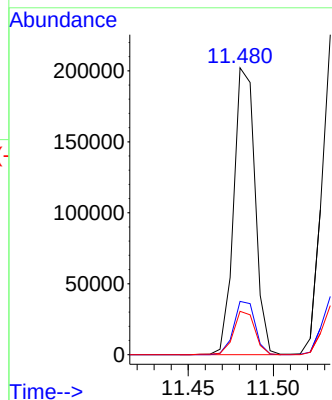
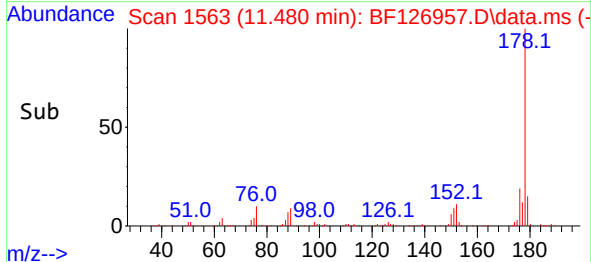
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



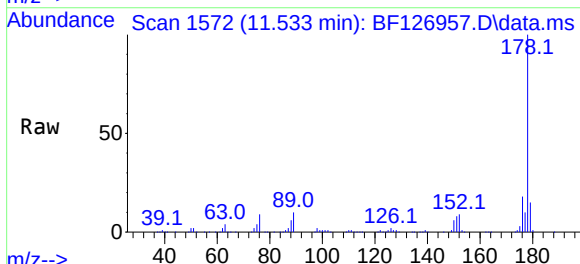
Tgt Ion:178 Resp: 175630  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.7 23.5  
179 15.1 12.3 18.5

Manual Integrations  
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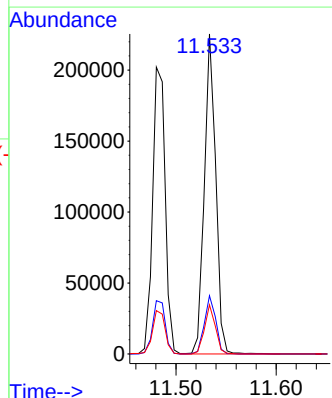
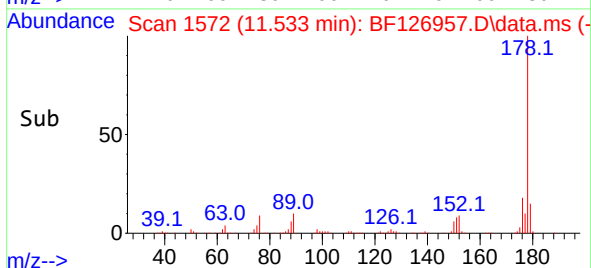
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

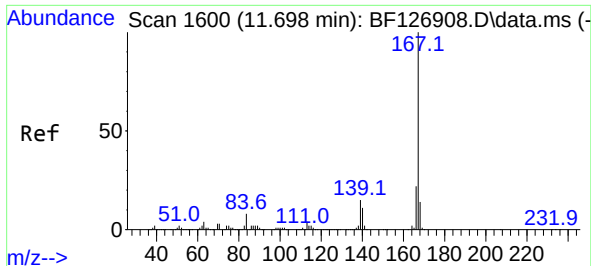


#72  
Anthracene  
Concen: 8.610 ng  
RT: 11.533 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



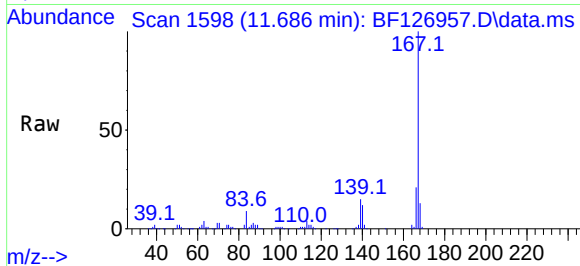
Tgt Ion:178 Resp: 179063  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.0 22.6  
179 15.4 12.5 18.7





#73  
 Carbazole  
 Concen: 7.905 ng  
 RT: 11.686 min Scan# 1598  
 Delta R.T. -0.012 min  
 Lab File: BF126957.D  
 Acq: 18 Feb 2022 17:37

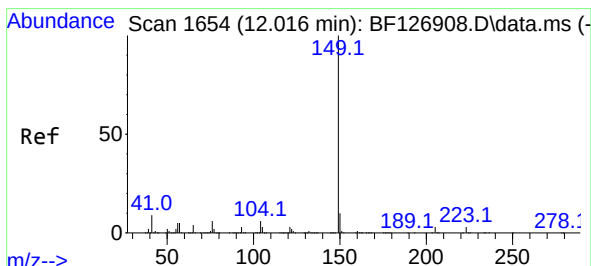
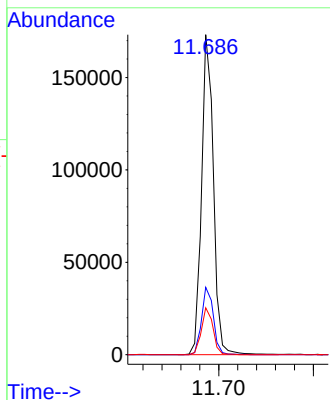
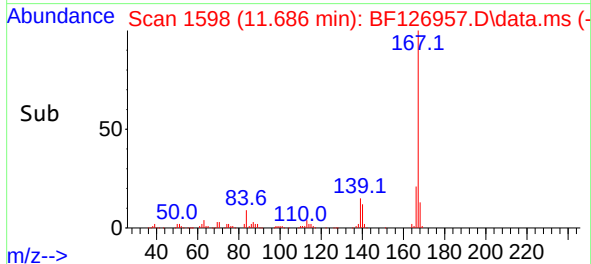
Instrument : BNA\_F  
 ClientSampleId : MDL-WATER-03-QT4-2021



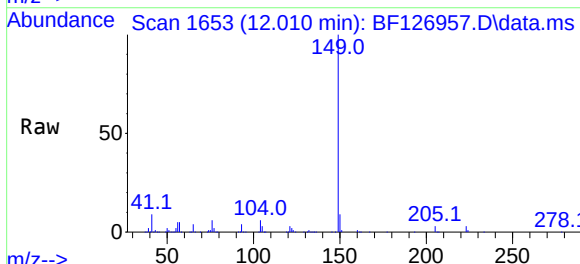
Tgt Ion:167 Resp: 15075  
 Ion Ratio Lower Upper  
 167 100  
 166 21.0 16.9 25.3  
 139 14.7 11.3 16.9

Manual Integrations  
 APPROVED

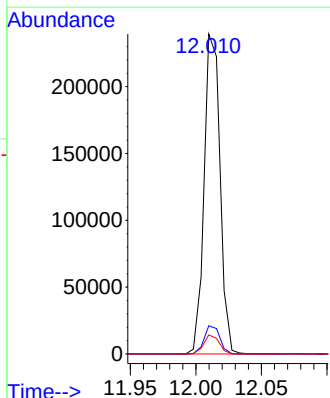
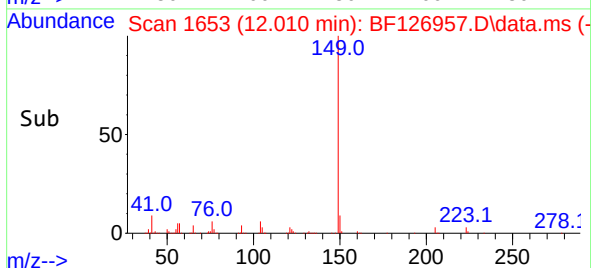
Reviewed By :Christian Giraldo 02/21/2022  
 Supervised By :Jagrut Upadhyay 02/21/2022



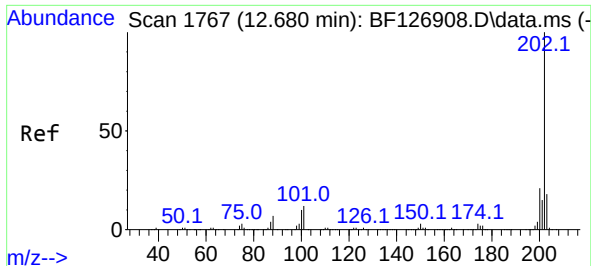
#74  
 Di-n-butylphthalate  
 Concen: 8.271 ng  
 RT: 12.010 min Scan# 1653  
 Delta R.T. -0.006 min  
 Lab File: BF126957.D  
 Acq: 18 Feb 2022 17:37



Tgt Ion:149 Resp: 202798  
 Ion Ratio Lower Upper  
 149 100  
 150 8.8 7.2 10.8  
 104 6.0 4.2 6.2

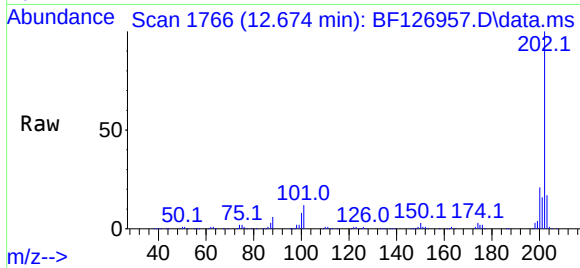






#75  
Fluoranthene  
Concen: 8.547 ng  
RT: 12.674 min Scan# 1766  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

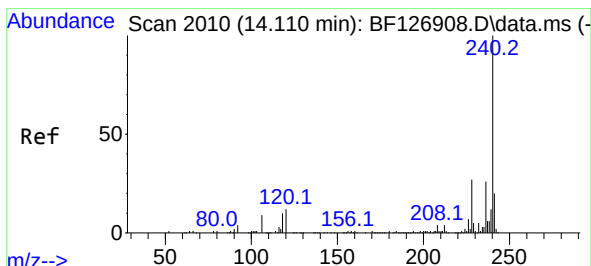
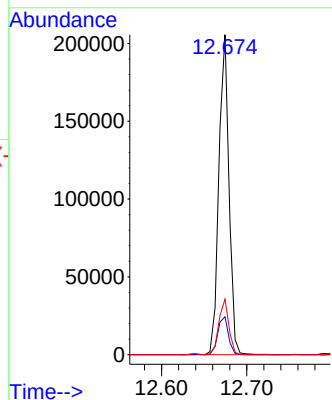
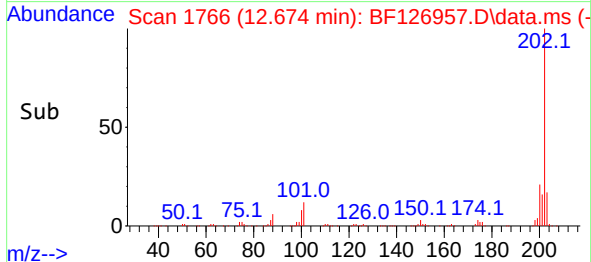
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



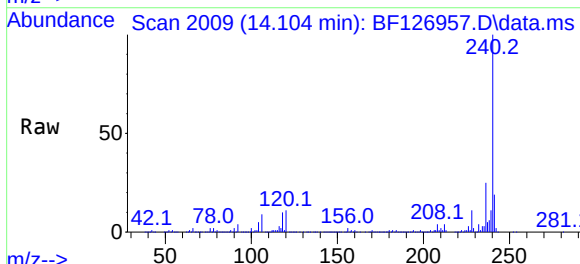
Tgt Ion:202 Resp: 169524  
Ion Ratio Lower Upper  
202 100  
101 11.8 0.0 35.7  
203 17.3 0.0 37.1

Manual Integrations  
APPROVED

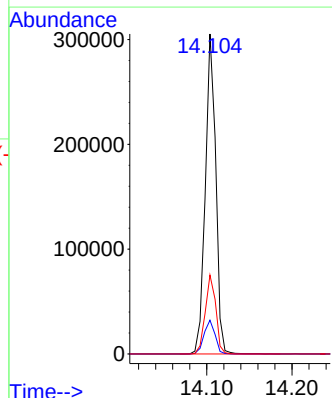
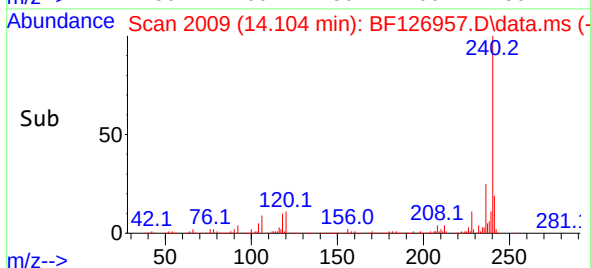
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

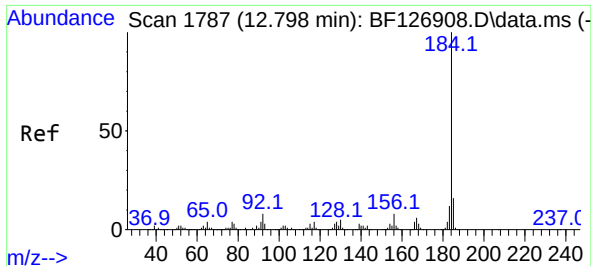


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.104 min Scan# 2009  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



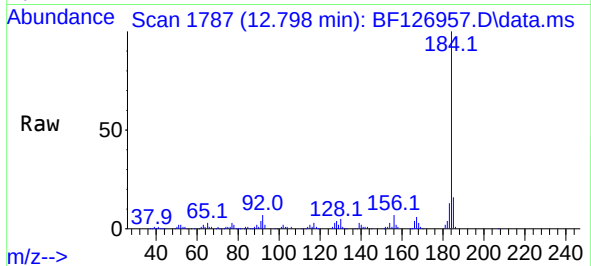
Tgt Ion:240 Resp: 259539  
Ion Ratio Lower Upper  
240 100  
120 10.5 14.4 21.6#  
236 24.7 20.5 30.7





#77  
Benzidine  
Concen: 10.872 ng  
RT: 12.798 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

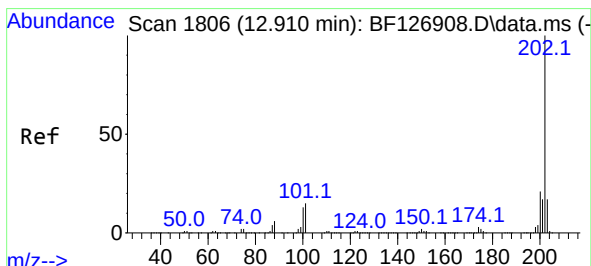
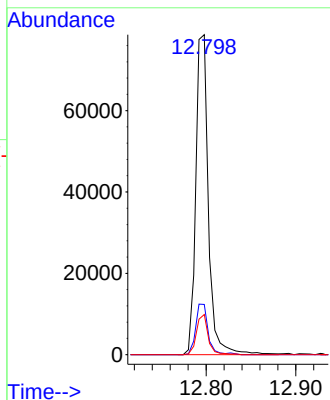
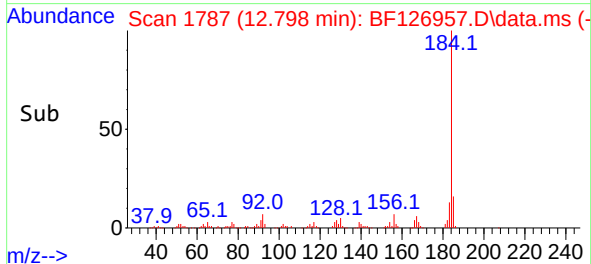
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



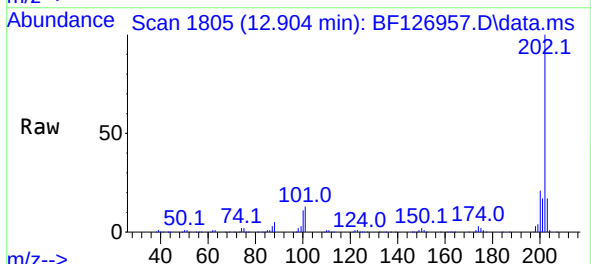
Tgt Ion:184 Resp: 7668  
Ion Ratio Lower Upper  
184 100  
185 15.7 11.8 17.8  
183 12.6 8.2 12.2

Manual Integrations  
APPROVED

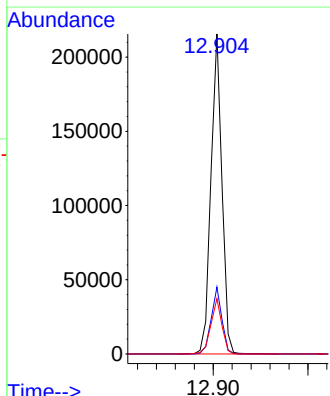
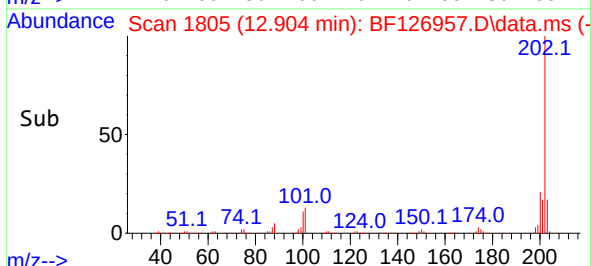
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

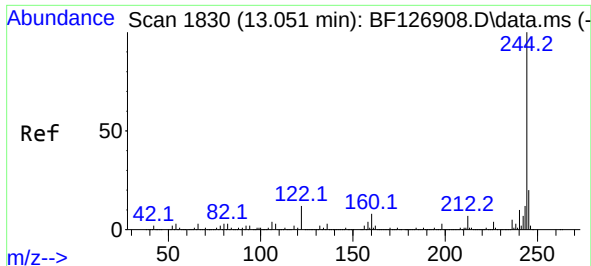


#78  
Pyrene  
Concen: 7.645 ng  
RT: 12.904 min Scan# 1805  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



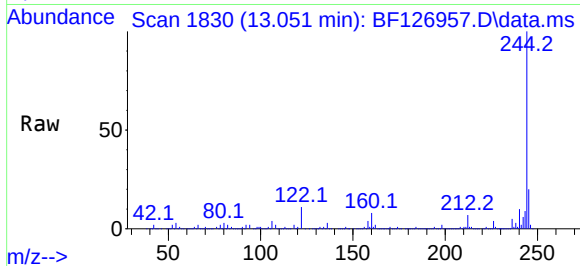
Tgt Ion:202 Resp: 172390  
Ion Ratio Lower Upper  
202 100  
200 20.9 16.6 24.8  
203 17.3 13.8 20.8





#79  
Terphenyl-d14  
Concen: 80.828 ng  
RT: 13.051 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

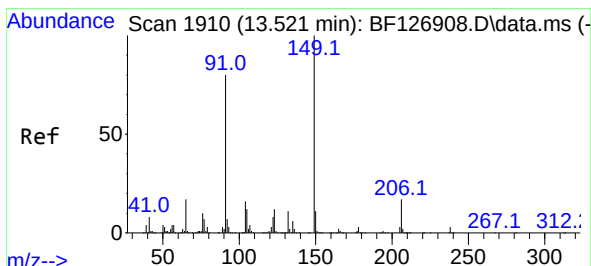
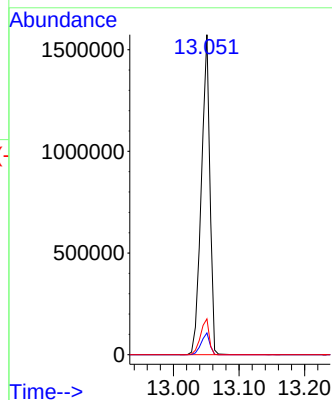
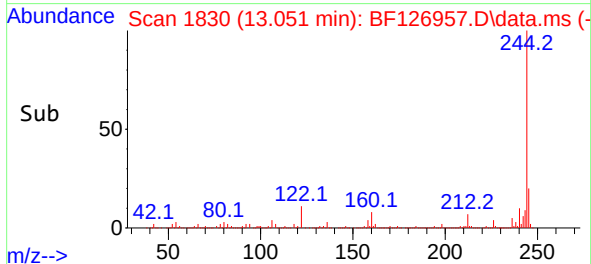
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



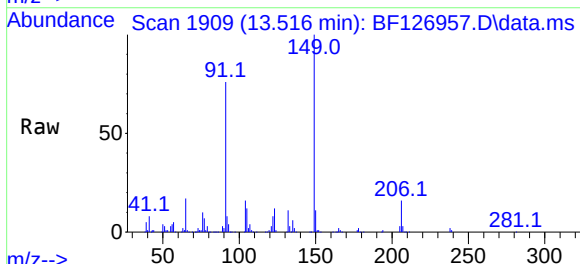
Tgt Ion:244 Resp: 142703  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.0 7.4  
122 11.2 13.3 19.9

Manual Integrations  
APPROVED

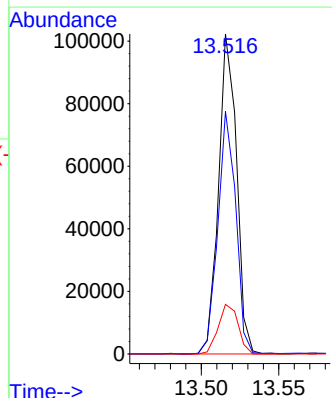
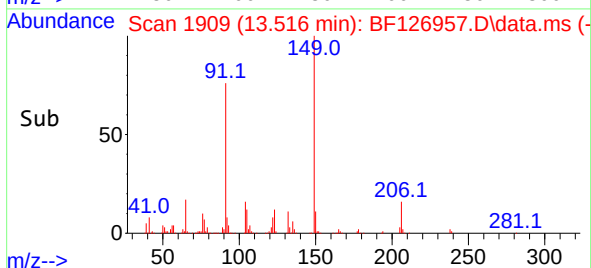
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

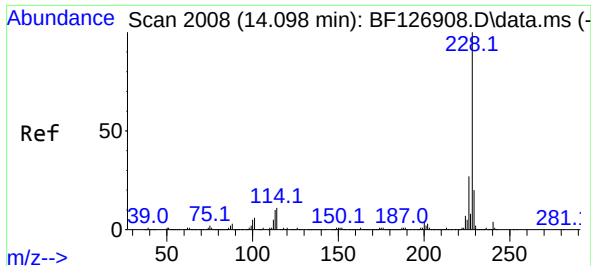


#80  
Butylbenzylphthalate  
Concen: 7.763 ng  
RT: 13.516 min Scan# 1909  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



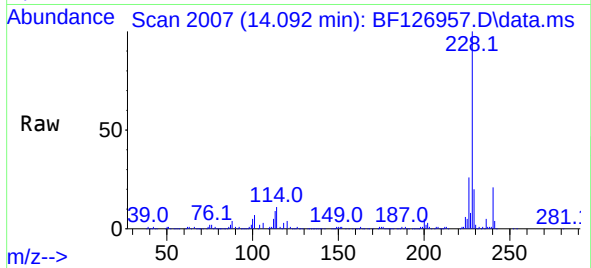
Tgt Ion:149 Resp: 82870  
Ion Ratio Lower Upper  
149 100  
91 75.8 70.5 105.7  
206 15.5 12.6 19.0





#81  
Benzo(a)anthracene  
Concen: 7.944 ng  
RT: 14.092 min Scan# 2007  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

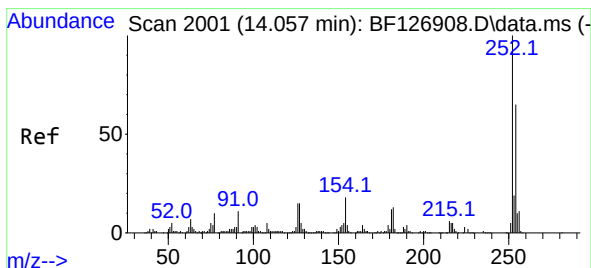
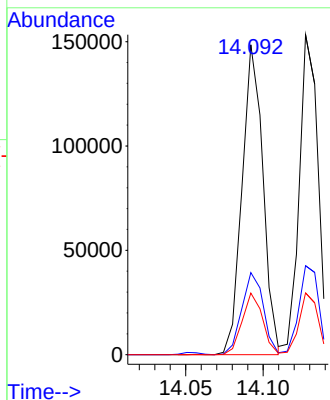
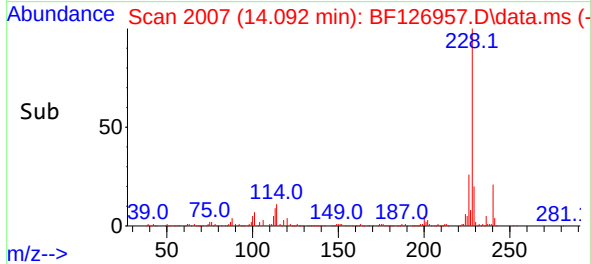
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



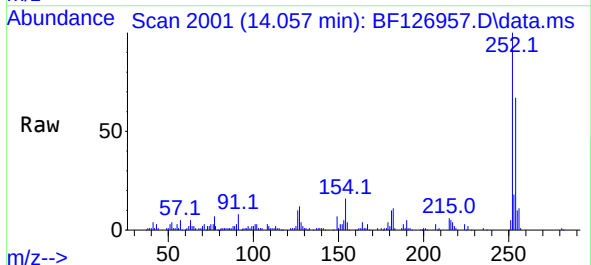
Tgt Ion:228 Resp: 138999  
Ion Ratio Lower Upper  
228 100  
226 26.5 21.4 32.0  
229 19.9 15.4 23.2

Manual Integrations  
APPROVED

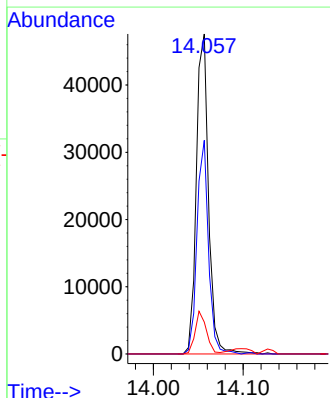
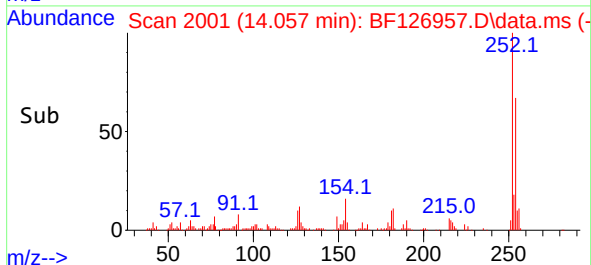
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

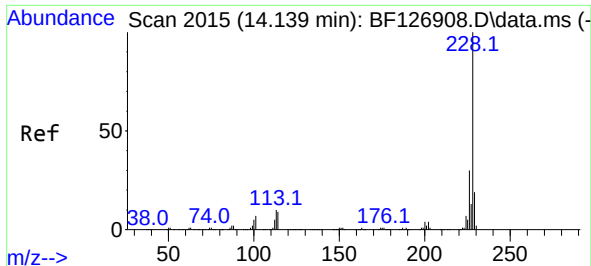


#82  
3,3'-Dichlorobenzidine  
Concen: 8.161 ng  
RT: 14.057 min Scan# 2001  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



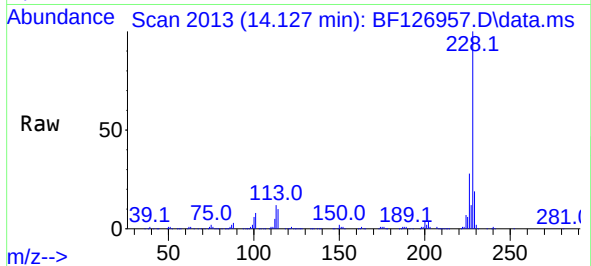
Tgt Ion:252 Resp: 44999  
Ion Ratio Lower Upper  
252 100  
254 66.8 51.0 76.4  
126 9.9 13.4 20.0#





#83  
Chrysene  
Concen: 7.914 ng  
RT: 14.127 min Scan# 2015  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

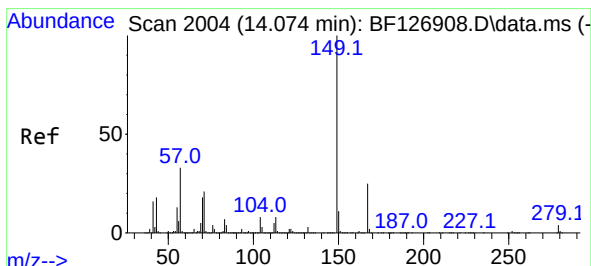
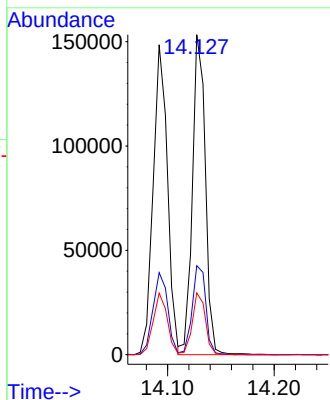
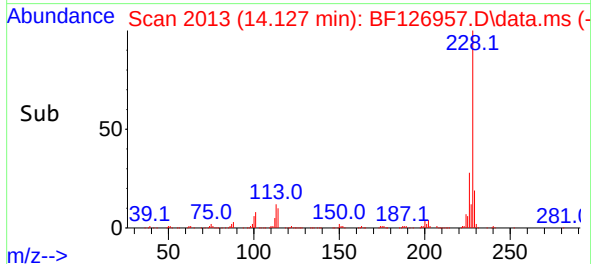
Instrument : BNA\_F  
ClientSampleId : MDL-WATER-03-QT4-2021



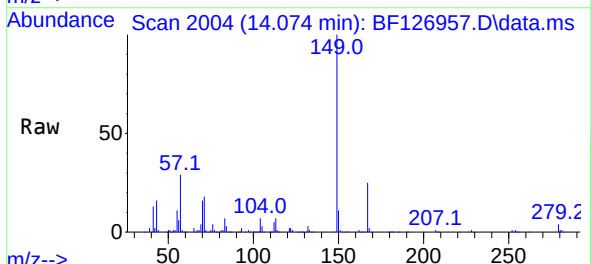
Tgt Ion:228 Resp: 130219  
Ion Ratio Lower Upper  
228 100  
226 27.8 23.7 35.5  
229 19.3 15.5 23.3

Manual Integrations  
APPROVED

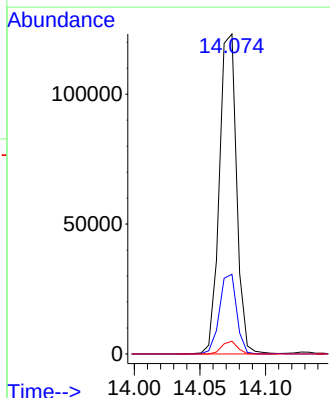
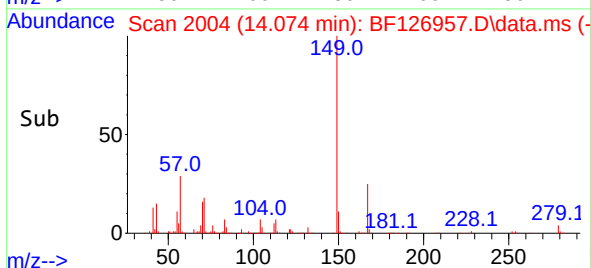
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

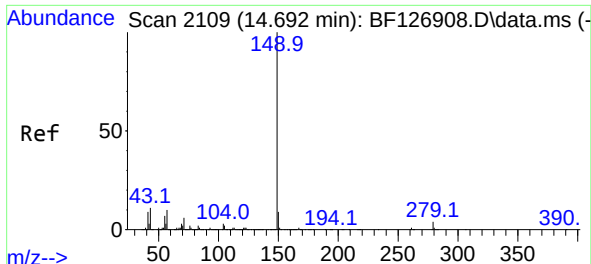


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 8.036 ng  
RT: 14.074 min Scan# 2004  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



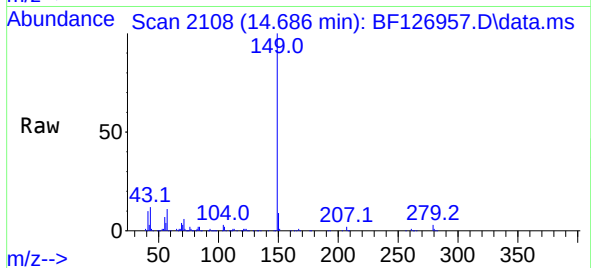
Tgt Ion:149 Resp: 112617  
Ion Ratio Lower Upper  
149 100  
167 24.9 21.4 32.2  
279 4.0 2.4 3.6





#85  
Di-n-octyl phthalate  
Concen: 8.252 ng  
RT: 14.686 min Scan# 2109  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

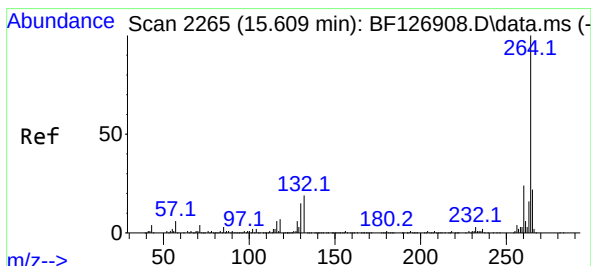
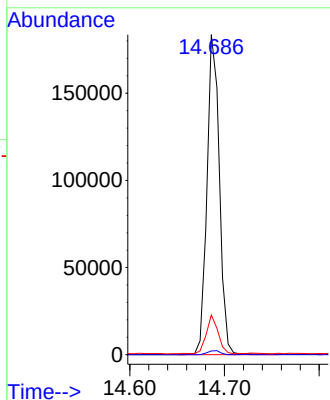
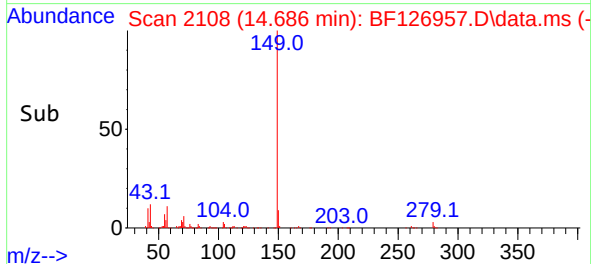
Instrument : BNA\_F  
ClientSampleId : MDL-WATER-03-QT4-2021



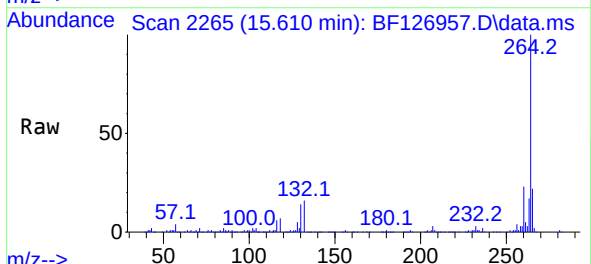
Tgt Ion:149 Resp: 166512  
Ion Ratio Lower Upper  
149 100  
167 1.3 1.1 1.7  
43 11.5 9.9 14.9

Manual Integrations  
APPROVED

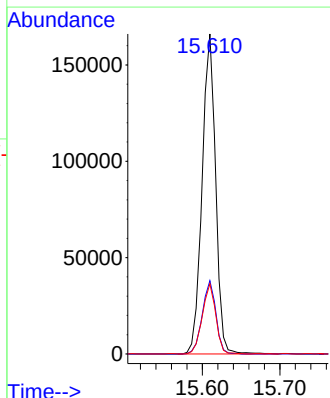
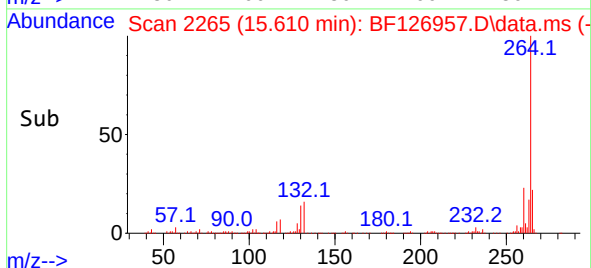
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

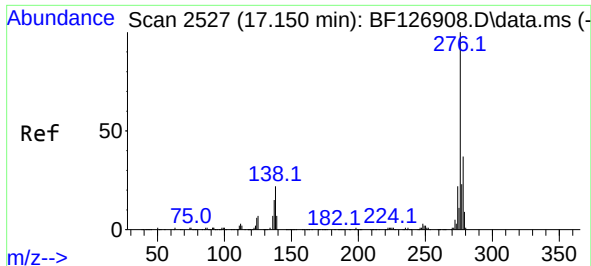


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.610 min Scan# 2265  
Delta R.T. 0.000 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



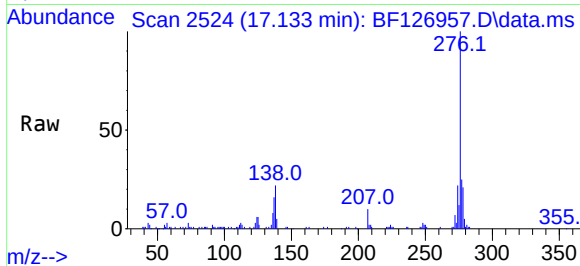
Tgt Ion:264 Resp: 201302  
Ion Ratio Lower Upper  
264 100  
260 22.9 19.2 28.8  
265 21.9 17.4 26.2





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 6.581 ng  
RT: 17.133 min Scan# 2189  
Delta R.T. -0.017 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

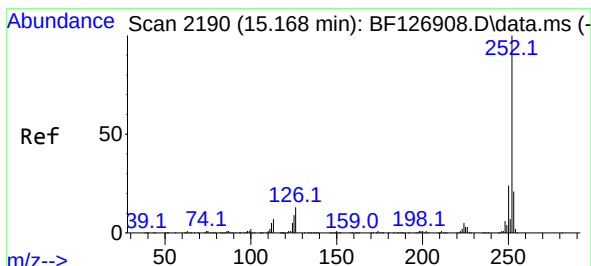
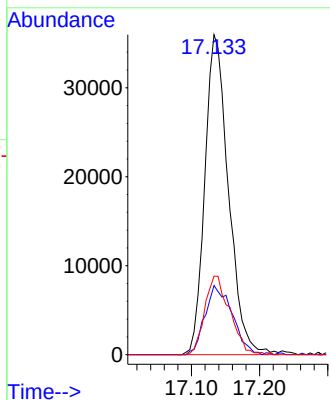
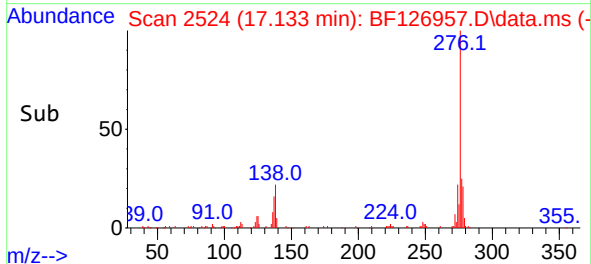
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



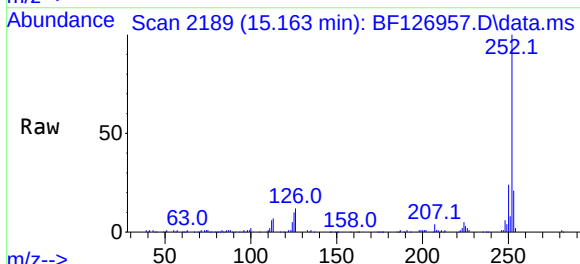
Tgt Ion:276 Resp: 86869  
Ion Ratio Lower Upper  
276 100  
138 25.0 29.2 43.8  
277 26.3 19.8 29.8

Manual Integrations  
APPROVED

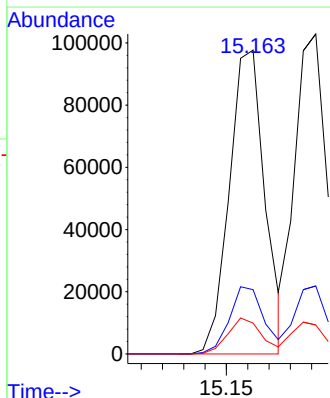
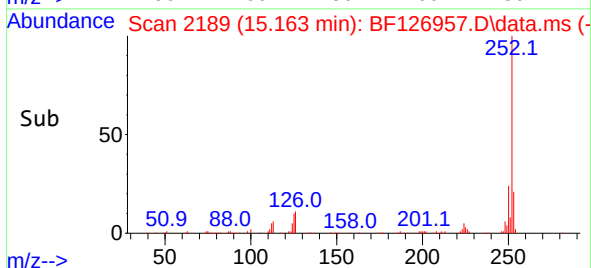
Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022

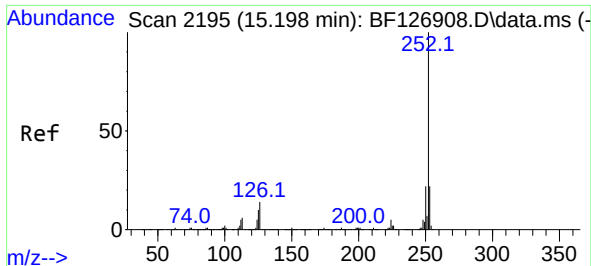


#88  
Benzo(b)fluoranthene  
Concen: 8.378 ng  
RT: 15.163 min Scan# 2189  
Delta R.T. -0.006 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37



Tgt Ion:252 Resp: 113278  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.8 26.8  
125 10.2 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 8.529 ng

RT: 15.192 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF126957.D

Acq: 18 Feb 2022 17:37

Instrument :

BNA\_F

ClientSampleId :

MDL-WATER-03-QT4-2021

Tgt Ion:252 Resp: 111215

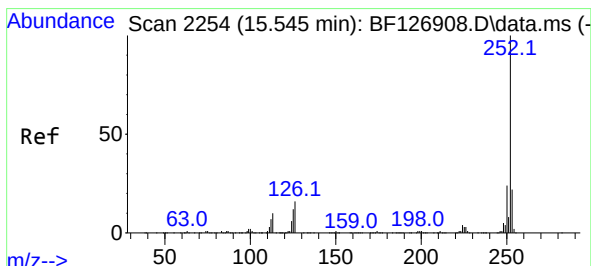
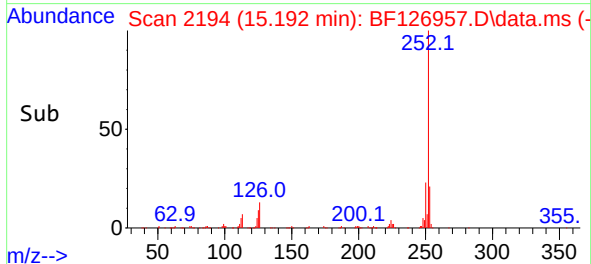
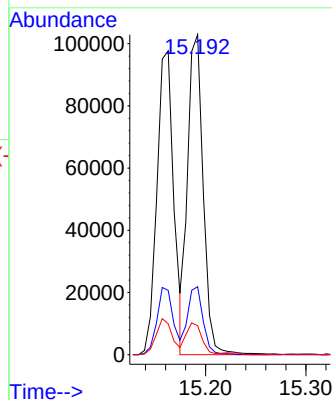
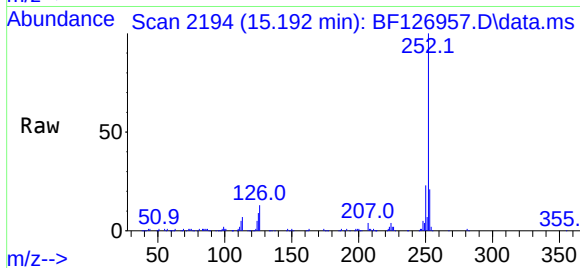
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.3  | 17.5  | 26.3  |
| 125 | 9.1   | 11.8  | 17.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#90

Benzo(a)pyrene

Concen: 9.489 ng

RT: 15.539 min Scan# 2253

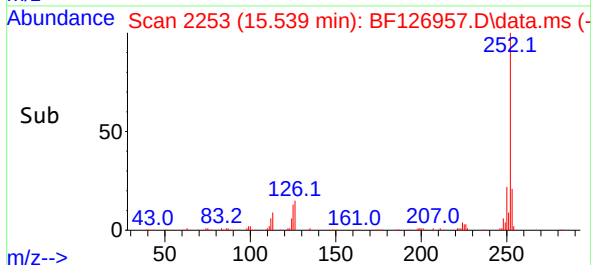
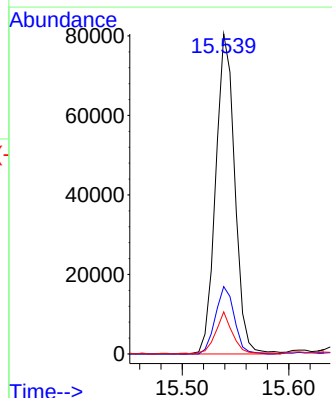
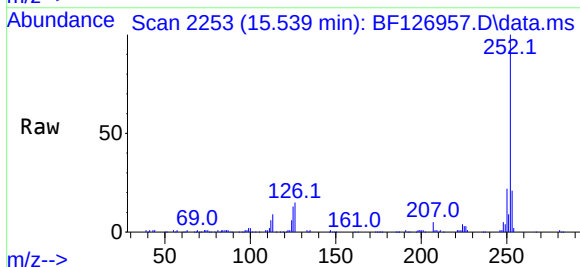
Delta R.T. -0.006 min

Lab File: BF126957.D

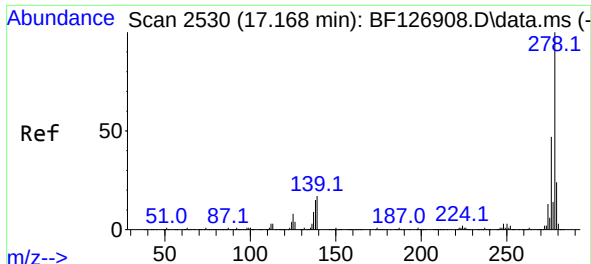
Acq: 18 Feb 2022 17:37

Tgt Ion:252 Resp: 100215

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.0  | 17.1  | 25.7  |
| 125 | 13.2  | 13.0  | 19.6  |

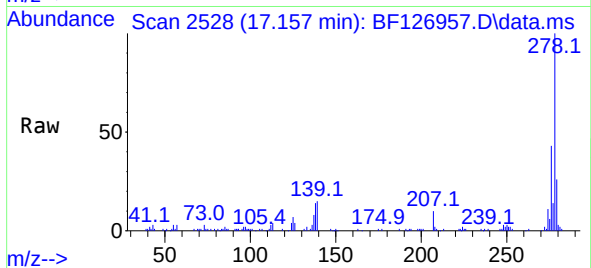






#91  
Dibenzo(a,h)anthracene  
Concen: 6.836 ng  
RT: 17.157 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

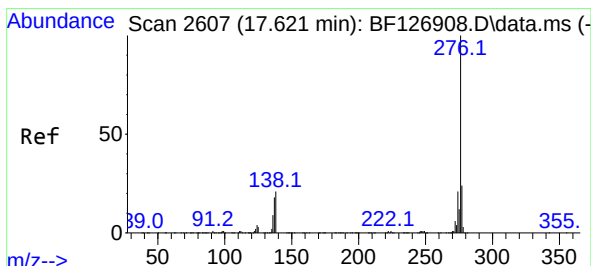
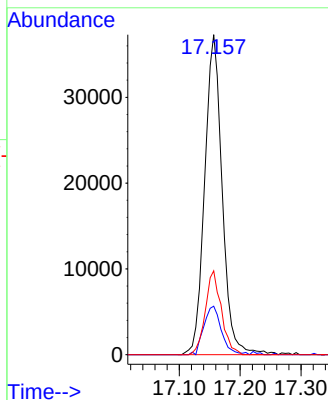
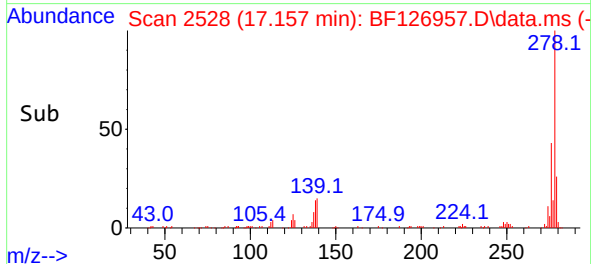
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-WATER-03-QT4-2021



Tgt Ion:278 Resp: 7462  
Ion Ratio Lower Upper  
278 100  
139 15.2 18.0 27.0  
279 26.2 18.6 27.8

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 02/21/2022  
Supervised By :Jagrut Upadhyay 02/21/2022



#92  
Benzo(g,h,i)perylene  
Concen: 6.647 ng  
RT: 17.604 min Scan# 2604  
Delta R.T. -0.017 min  
Lab File: BF126957.D  
Acq: 18 Feb 2022 17:37

Tgt Ion:276 Resp: 71539  
Ion Ratio Lower Upper  
276 100  
277 25.7 18.5 27.7  
138 22.0 25.9 38.9

