

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG083022\  
 Data File : BG054787.D  
 Acq On : 30 Aug 2022 13:05  
 Operator : CG/JU  
 Sample : N4398-01MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROCK-FINES-QA/QC-COMPMS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 08/31/2022  
 Supervised By : Jagrut Upadhyay 08/31/2022

Quant Time: Aug 30 16:04:22 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 25 17:50:55 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.148  | 152  | 42843    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.974 | 136  | 186848   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.781 | 164  | 130779   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.531 | 188  | 293269   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.820 | 240  | 271935   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.186 | 264  | 296150   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.692  | 112  | 301933   | 122.721 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.301  | 99   | 424691   | 126.220 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.323  | 82   | 248437   | 69.800  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.267 | 330  | 197625   | 120.933 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.406 | 172  | 627704   | 72.141  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.128 | 244  | 1064891  | 77.591  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.529  | 88   | 45088    | 38.378  | ng    | 98       |
| 3) Pyridine                   | 3.935  | 79   | 119521   | 36.474  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.853  | 42   | 60138    | 42.455  | ng    | 96       |
| 6) Aniline                    | 7.472  | 93   | 188160   | 47.067  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.713  | 128  | 144739   | 53.846  | ng    | 100      |
| 9) Benzaldehyde               | 7.278  | 77   | 80078    | 36.312  | ng    | 97       |
| 10) Phenol                    | 7.325  | 94   | 185776   | 53.689  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.560  | 93   | 132890   | 47.752  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 8.036  | 146  | 146535   | 47.107  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.183  | 146  | 148399   | 47.295  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.506  | 146  | 146039   | 49.085  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.388  | 79   | 130213   | 53.569  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.670  | 45   | 204959   | 47.068  | ng    | 99       |
| 17) 2-Methylphenol            | 8.588  | 107  | 128756   | 54.045  | ng    | 98       |
| 18) Hexachloroethane          | 9.240  | 117  | 52751    | 46.363  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.958  | 70   | 112731   | 48.721  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.917  | 107  | 175184   | 53.028  | ng    | 97       |
| 22) Acetophenone              | 8.976  | 105  | 213149   | 45.598  | ng    | # 99     |
| 24) Nitrobenzene              | 9.370  | 77   | 157836   | 43.996  | ng    | 97       |
| 25) Isophorone                | 9.887  | 82   | 318726   | 48.026  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.081 | 139  | 79103    | 49.917  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 10.128 | 122  | 140847   | 56.096  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.368 | 93   | 190374   | 50.342  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.615 | 162  | 147668   | 51.708  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.833 | 180  | 148015   | 45.353  | ng    | 98       |
| 31) Naphthalene               | 11.027 | 128  | 450460   | 44.935  | ng    | 100      |
| 32) Benzoic acid              | 10.274 | 122  | 69325    | 40.190  | ng    | 98       |
| 33) 4-Chloroaniline           | 11.132 | 127  | 157055   | 38.429  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.303 | 225  | 95211    | 45.534  | ng    | 99       |
| 35) Caprolactam               | 11.908 | 113  | 52037m   | 51.648  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.243 | 107  | 161798   | 51.809  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.625 | 142  | 331454   | 47.174  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.842 | 142  | 316114   | 46.242  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.983 | 216  | 182797   | 46.369  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.960 | 237  | 218794   | 104.651 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.218 | 196  | 126903   | 48.498  | ng    | 99       |

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 Sample : N4398-01MS  
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Instrument :  
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Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 08/31/2022  
 Supervised By : Jagrut Upadhyay 08/31/2022

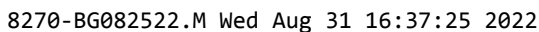
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 25 17:50:55 2022  
 Response via : Initial Calibration

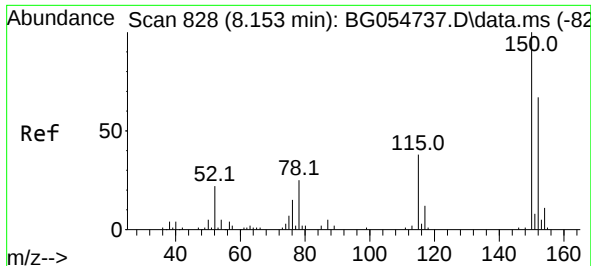
| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol      | 13.294 | 196  | 139142   | 47.349 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 13.618 | 154  | 454989   | 46.850 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.665 | 162  | 337336   | 45.737 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.864 | 65   | 107627   | 46.562 | ng    | 99       |
| 49) Acenaphthylene             | 14.511 | 152  | 562758   | 46.237 | ng    | 100      |
| 50) Dimethylphthalate          | 14.229 | 163  | 459602   | 45.617 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.352 | 165  | 98108    | 47.607 | ng    | 91       |
| 52) Acenaphthene               | 14.851 | 154  | 398108m  | 50.921 | ng    |          |
| 53) 3-Nitroaniline             | 14.687 | 138  | 89856    | 38.950 | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 14.893 | 184  | 107010   | 91.004 | ng    | 98       |
| 55) Dibenzofuran               | 15.180 | 168  | 525342   | 45.729 | ng    | 100      |
| 56) 4-Nitrophenol              | 14.987 | 139  | 173144   | 96.985 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 15.139 | 165  | 139240   | 48.848 | ng    | 86       |
| 58) Fluorene                   | 15.827 | 166  | 439155   | 45.377 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.404 | 232  | 120407   | 45.454 | ng    | 98       |
| 60) Diethylphthalate           | 15.586 | 149  | 451752   | 44.902 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.815 | 204  | 230873   | 48.358 | ng    | 99       |
| 62) 4-Nitroaniline             | 15.850 | 138  | 108071   | 45.883 | ng    | 97       |
| 63) Azobenzene                 | 16.109 | 77   | 415234   | 43.428 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph...  | 15.897 | 198  | 71143    | 47.657 | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 16.027 | 169  | 395428   | 46.755 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.708 | 248  | 158964   | 49.370 | ng    | 98       |
| 68) Hexachlorobenzene          | 16.826 | 284  | 175949   | 48.609 | ng    | 98       |
| 69) Atrazine                   | 16.973 | 200  | 152871   | 51.236 | ng    | 99       |
| 70) Pentachlorophenol          | 17.172 | 266  | 188496   | 95.845 | ng    | 98       |
| 71) Phenanthrene               | 17.572 | 178  | 716242   | 45.846 | ng    | 99       |
| 72) Anthracene                 | 17.666 | 178  | 712948   | 46.939 | ng    | 99       |
| 73) Carbazole                  | 17.930 | 167  | 658564   | 47.060 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.471 | 149  | 799965   | 45.175 | ng    | 99       |
| 75) Fluoranthene               | 19.575 | 202  | 867231   | 45.632 | ng    | 99       |
| 77) Benzidine                  | 19.752 | 184  | 398157   | 59.113 | ng    | 99       |
| 78) Pyrene                     | 19.940 | 202  | 871518   | 45.962 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.809 | 149  | 350063   | 44.260 | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.802 | 228  | 845620   | 45.863 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.714 | 252  | 276827   | 42.823 | ng    | 99       |
| 83) Chrysene                   | 21.873 | 228  | 792721   | 44.966 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha...  | 21.685 | 149  | 520153   | 45.646 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 22.948 | 149  | 863845   | 44.701 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene     | 29.064 | 276  | 1014306  | 45.115 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 24.111 | 252  | 875903   | 47.148 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 24.188 | 252  | 874791   | 46.788 | ng    | 99       |
| 90) Benzo(a)pyrene             | 25.028 | 252  | 788777   | 49.696 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 29.141 | 278  | 862752   | 47.102 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.286 | 276  | 878943   | 47.500 | ng    | 98       |

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

## Manual Integrations

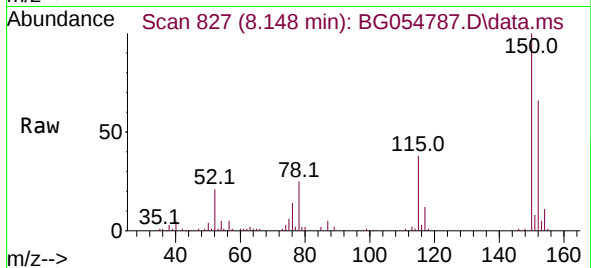
Quant Time: Aug 30 16:04:22 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 25 17:50:55 2022  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.148 min Scan# 81  
 Delta R.T. -0.005 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05

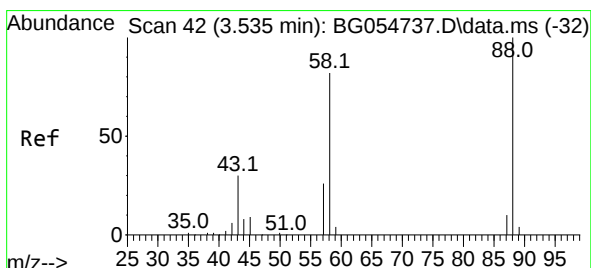
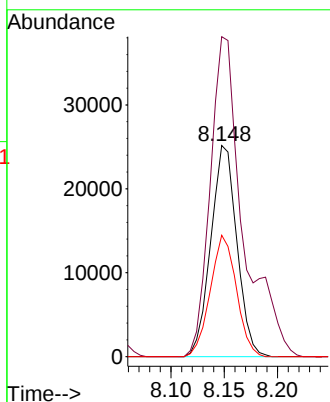
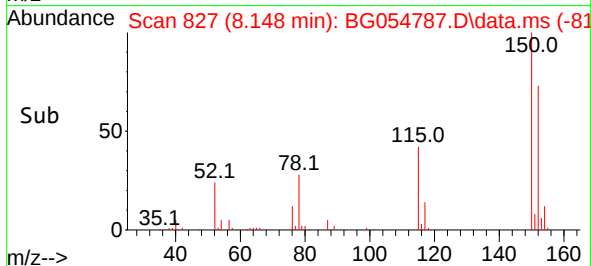
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROCK-FINES-QA/QC-COMPMS



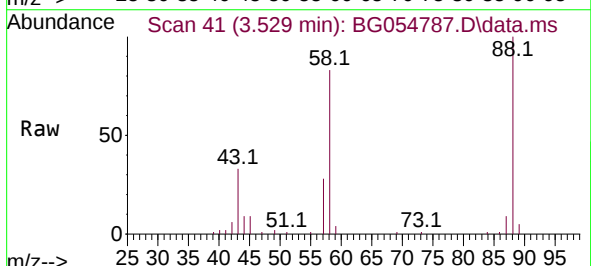
Tgt Ion: 152 Resp: 42843  
 Ion Ratio Lower Upper  
 152 100  
 150 151.6 125.2 187.8  
 115 57.5 47.9 71.9

Manual Integrations  
 APPROVED

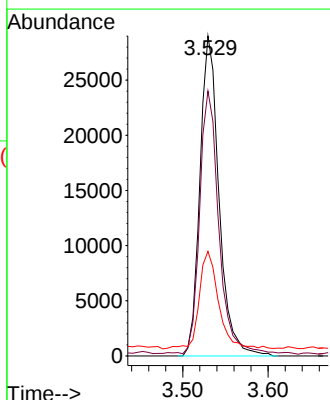
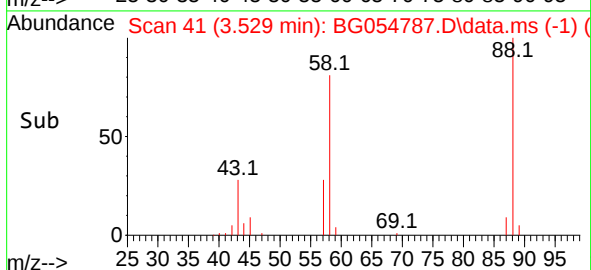
Reviewed By : Christian Giraldo 08/31/2022  
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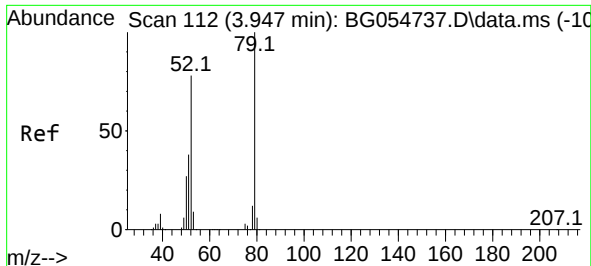


#2  
 1,4-Dioxane  
 Concen: 38.378 ng  
 RT: 3.529 min Scan# 41  
 Delta R.T. -0.006 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05



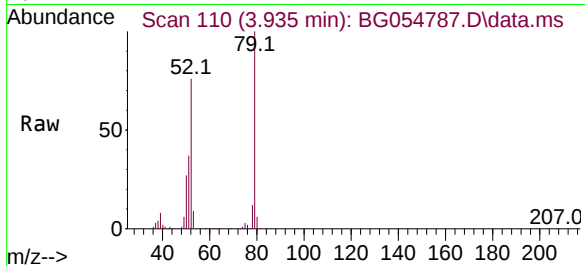
Tgt Ion: 88 Resp: 45088  
 Ion Ratio Lower Upper  
 88 100  
 58 83.0 65.9 98.9  
 43 31.2 22.7 34.1





#3  
Pyridine  
Concen: 36.474 ng  
RT: 3.935 min Scan# 112  
Delta R.T. -0.012 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

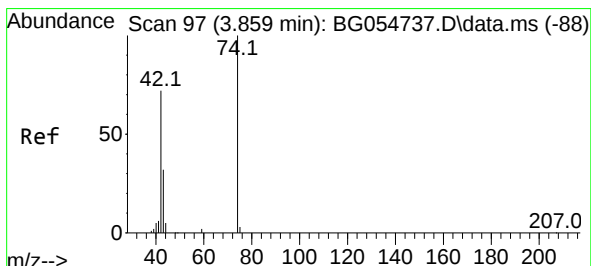
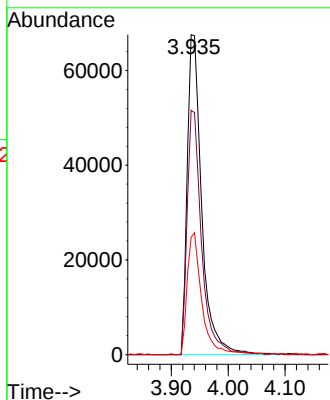
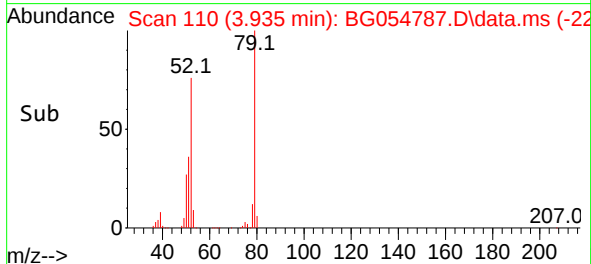
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion: 79 Resp: 11952  
Ion Ratio Lower Upper  
79 100  
52 76.3 61.4 92.0  
51 36.6 31.4 47.0

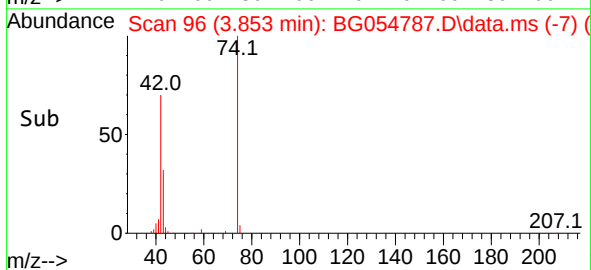
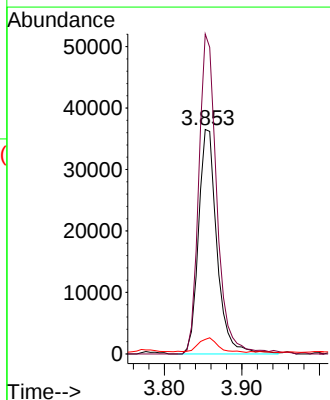
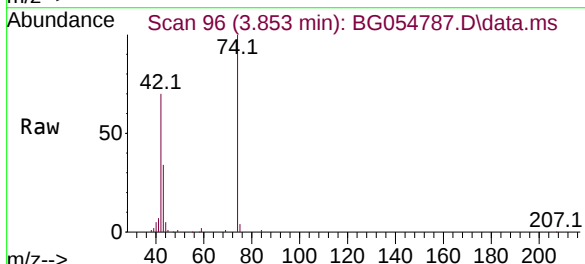
Manual Integrations  
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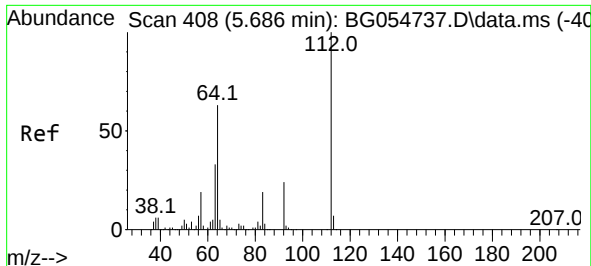
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#4  
n-Nitrosodimethylamine  
Concen: 42.455 ng  
RT: 3.853 min Scan# 96  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

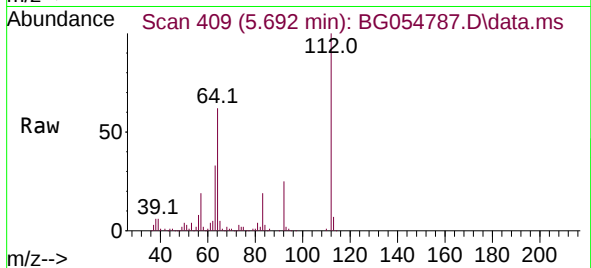
Tgt Ion: 42 Resp: 60138  
Ion Ratio Lower Upper  
42 100  
74 142.6 109.6 164.4  
44 6.5 5.5 8.3





#5  
2-Fluorophenol  
Concen: 122.721 ng  
RT: 5.692 min Scan# 409  
Delta R.T. 0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

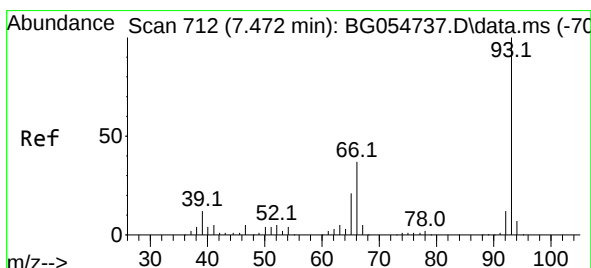
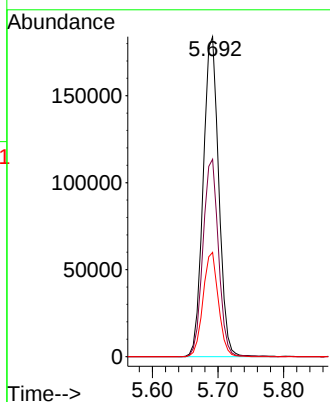
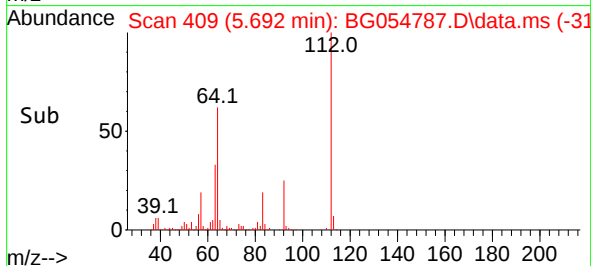
Instrument :  
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Tgt Ion: 112 Resp: 301933  
Ion Ratio Lower Upper  
112 100  
64 61.7 49.3 73.9  
63 32.6 26.3 39.5

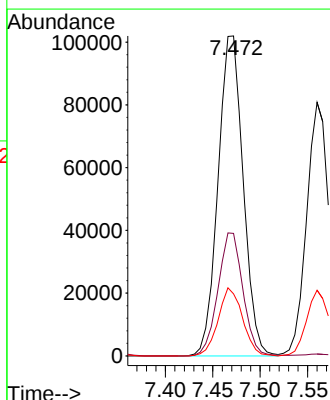
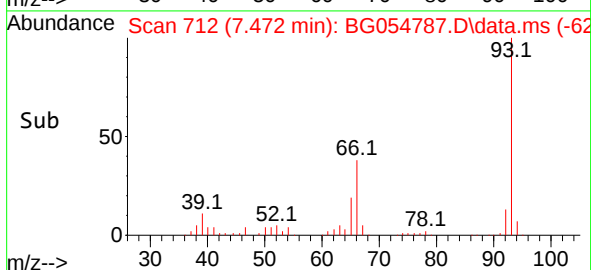
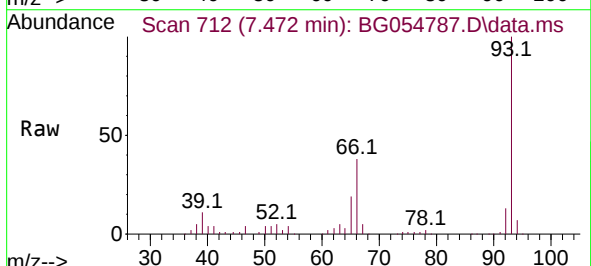
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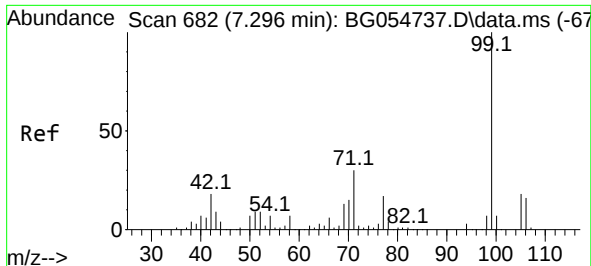
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#6  
Aniline  
Concen: 47.067 ng  
RT: 7.472 min Scan# 712  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

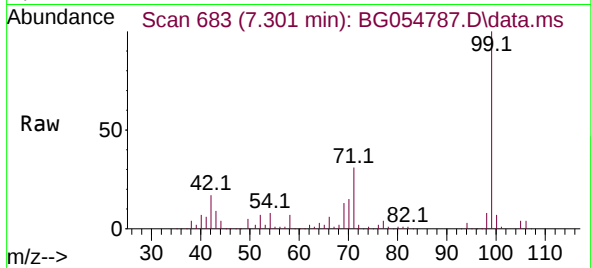
Tgt Ion: 93 Resp: 188160  
Ion Ratio Lower Upper  
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65 19.4 16.6 25.0





#7  
Phenol-d6  
Concen: 126.220 ng  
RT: 7.301 min Scan# 682  
Delta R.T. 0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

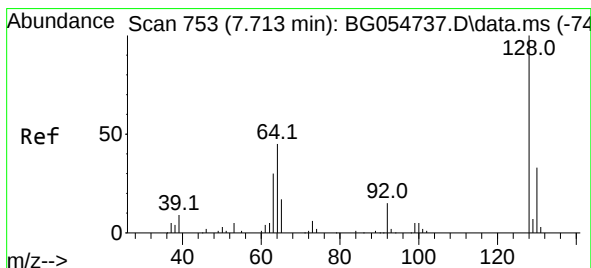
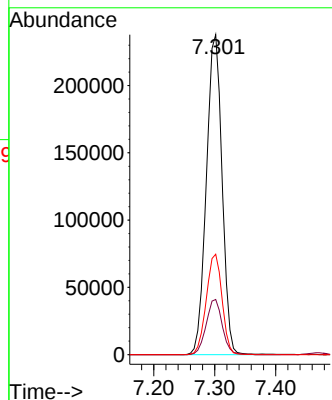
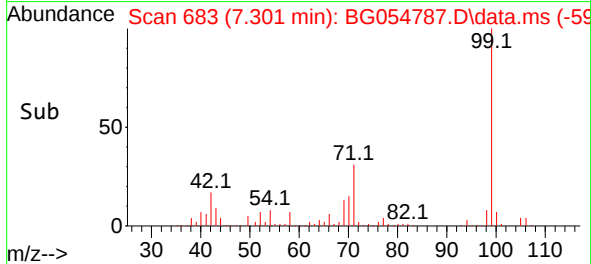
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion: 99 Resp: 424691  
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99 100  
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71 31.4 24.6 37.0

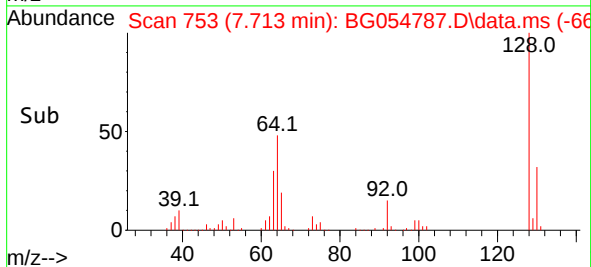
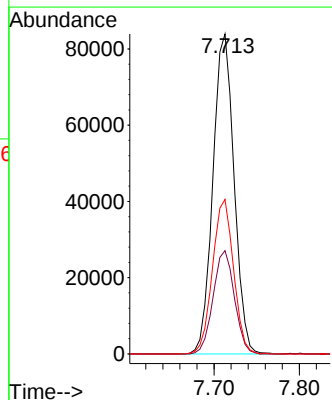
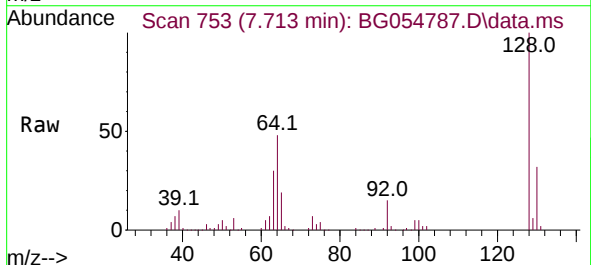
Manual Integrations  
APPROVED

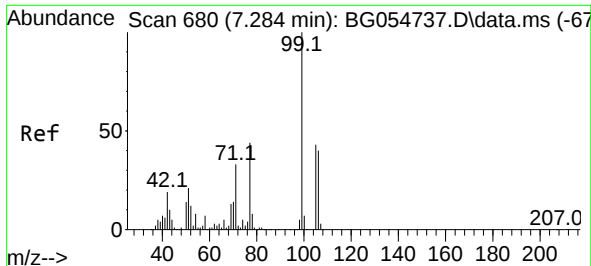
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#8  
2-Chlorophenol  
Concen: 53.846 ng  
RT: 7.713 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

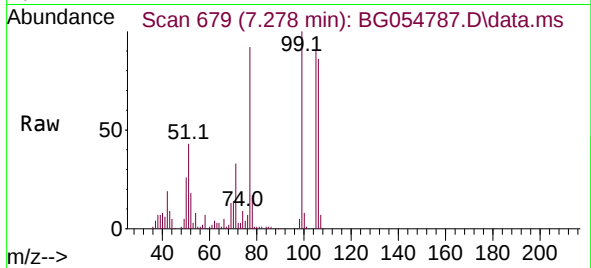
Tgt Ion:128 Resp: 144739  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.5 52.5  
64 48.3 28.6 68.6





#9  
Benzaldehyde  
Concen: 36.312 ng  
RT: 7.278 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

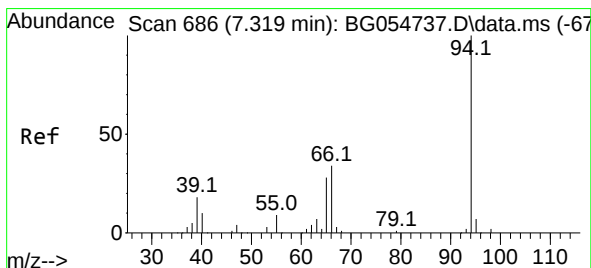
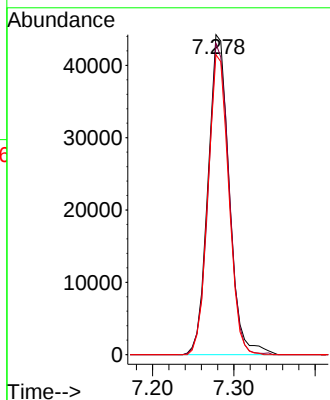
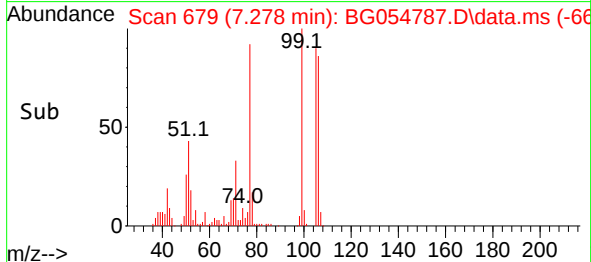
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion: 77 Resp: 80078  
Ion Ratio Lower Upper  
77 100  
105 97.2 75.3 115.3  
106 93.7 70.2 110.2

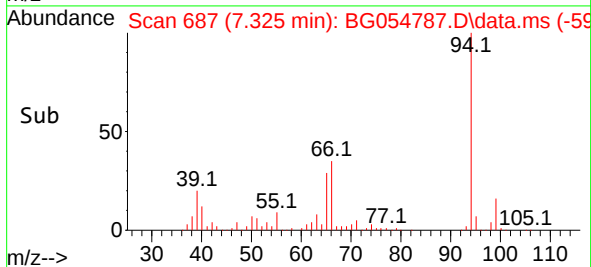
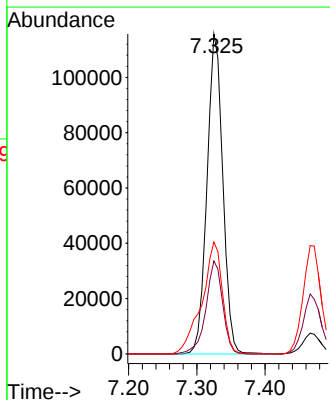
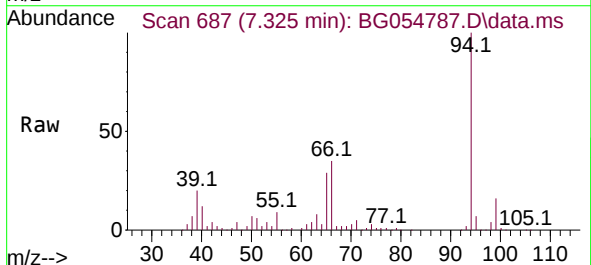
Manual Integrations  
APPROVED

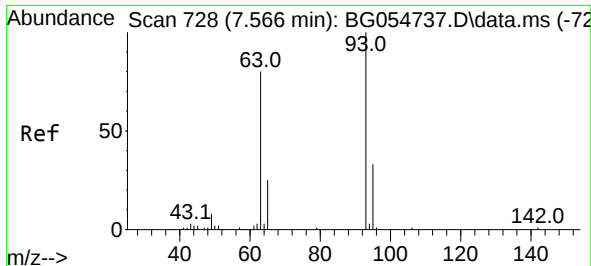
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#10  
Phenol  
Concen: 53.689 ng  
RT: 7.325 min Scan# 687  
Delta R.T. 0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Tgt Ion: 94 Resp: 185776  
Ion Ratio Lower Upper  
94 100  
65 29.0 9.9 49.9  
66 34.9 16.4 56.4





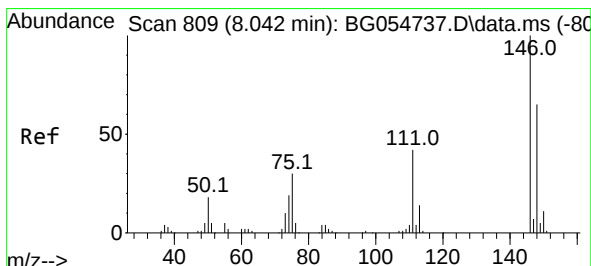
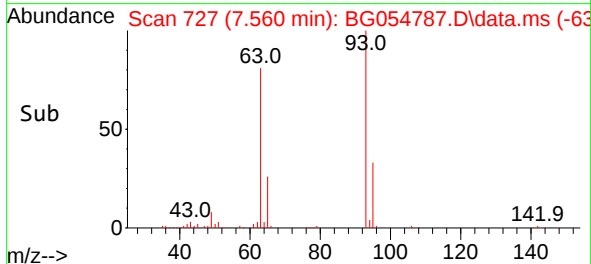
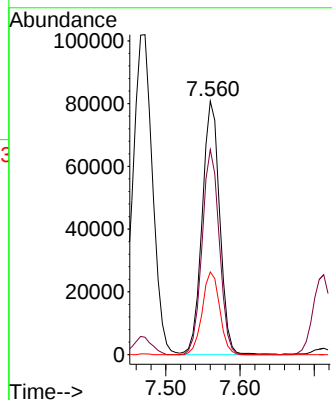
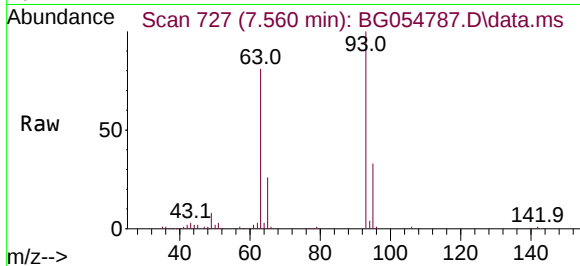
#11  
bis(2-Chloroethyl)ether  
Concen: 47.752 ng  
RT: 7.560 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS

Tgt Ion: 93 Resp: 132890  
Ion Ratio Lower Upper  
93 100  
63 80.9 62.1 102.1  
95 32.6 12.1 52.1

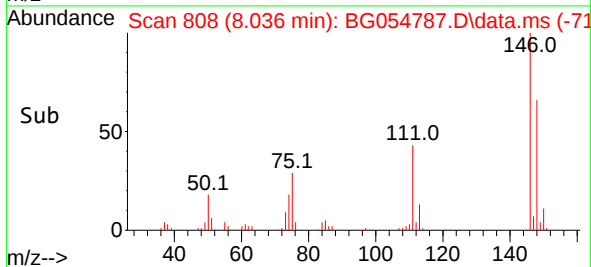
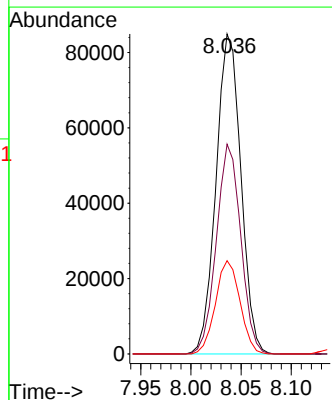
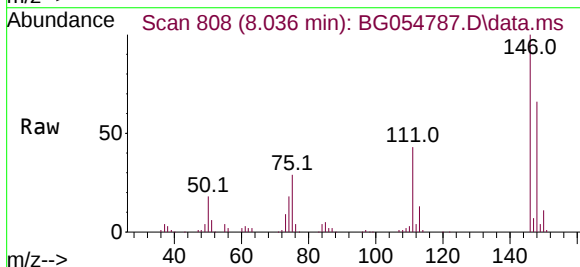
Manual Integrations  
APPROVED

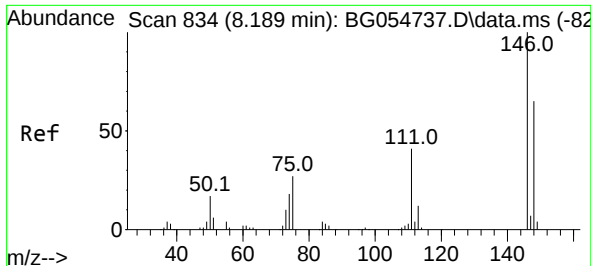
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#12  
1,3-Dichlorobenzene  
Concen: 47.107 ng  
RT: 8.036 min Scan# 808  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Tgt Ion:146 Resp: 146535  
Ion Ratio Lower Upper  
146 100  
148 65.5 50.6 76.0  
75 29.1 24.3 36.5





#13

1,4-Dichlorobenzene

Concen: 47.295 ng

RT: 8.183 min Scan# 834

Delta R.T. -0.006 min

Lab File: BG054787.D

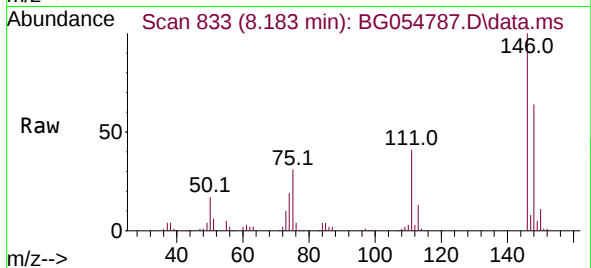
Acq: 30 Aug 2022 13:05

Instrument :

BNA\_G

ClientSampleId :

ROCK-FINES-QA/QC-COMPMS



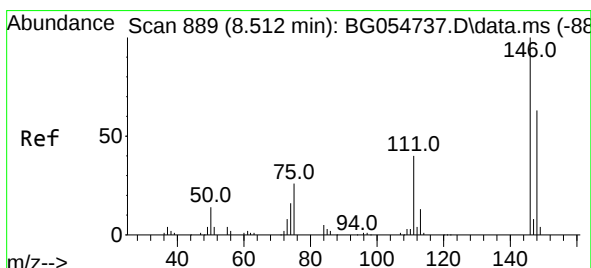
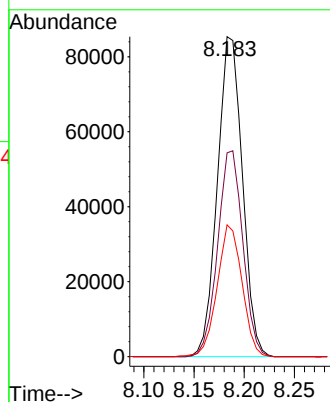
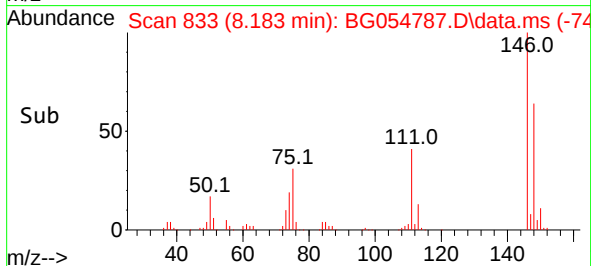
Tgt Ion:146 Resp: 148399

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.7  | 50.4  | 75.6  |
| 111 | 41.2  | 33.0  | 49.4  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#14

1,2-Dichlorobenzene

Concen: 49.085 ng

RT: 8.506 min Scan# 888

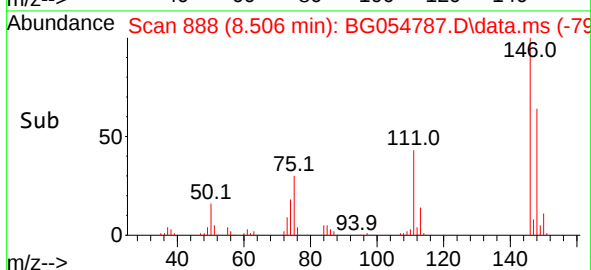
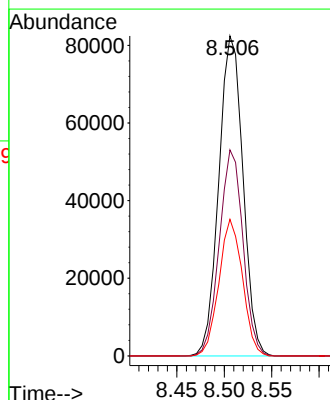
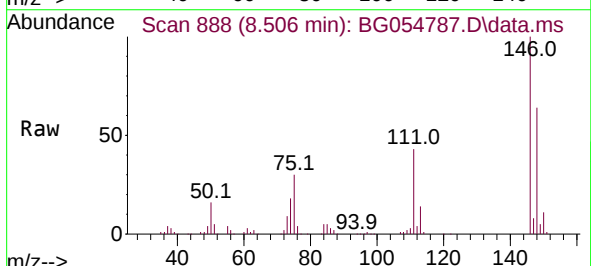
Delta R.T. -0.006 min

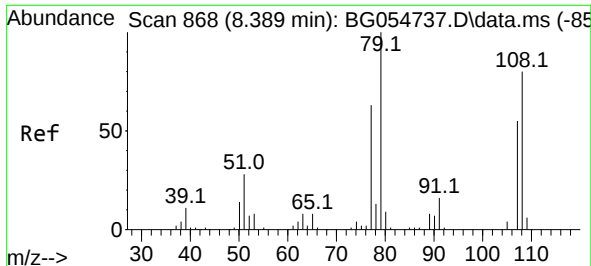
Lab File: BG054787.D

Acq: 30 Aug 2022 13:05

Tgt Ion:146 Resp: 146039

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.4  | 51.2  | 76.8  |
| 111 | 42.7  | 34.3  | 51.5  |





#15  
Benzyl Alcohol  
Concen: 53.569 ng  
RT: 8.388 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

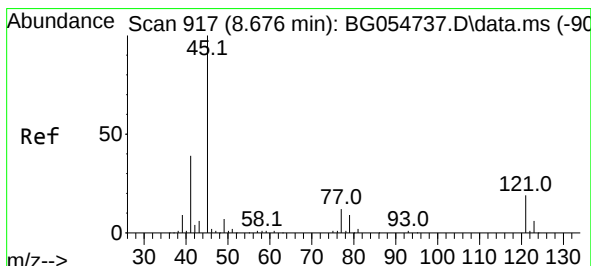
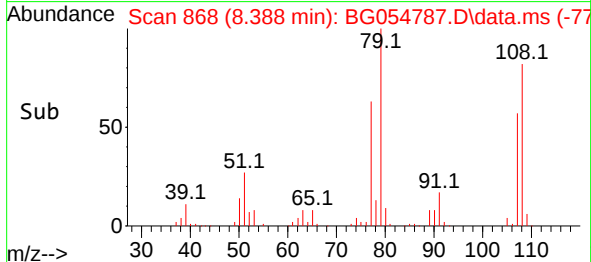
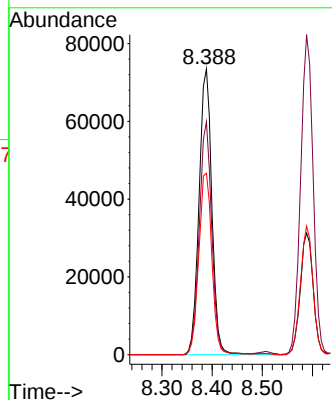
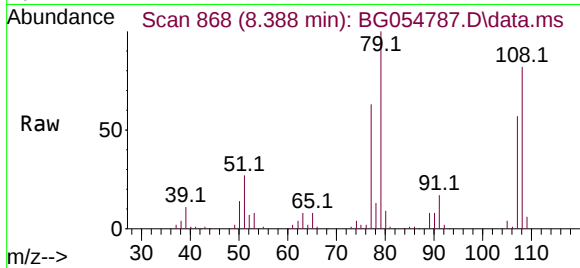
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS

Tgt Ion: 79 Resp: 130213

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 81.5  | 63.4  | 95.0  |
| 77  | 63.5  | 55.0  | 82.4  |

Manual Integrations  
APPROVED

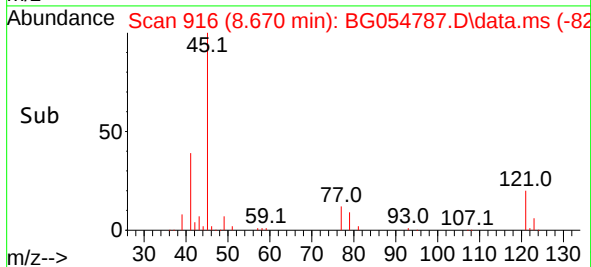
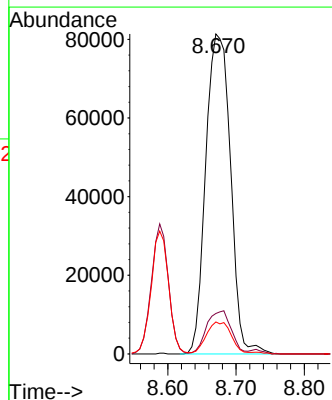
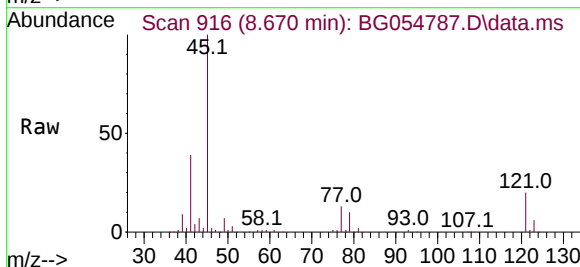
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

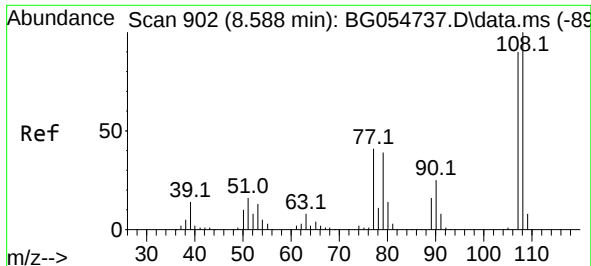


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.068 ng  
RT: 8.670 min Scan# 916  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Tgt Ion: 45 Resp: 204959

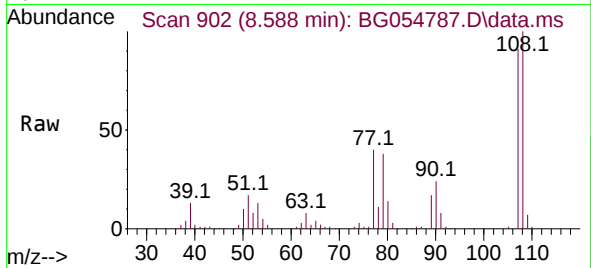
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 12.6  | 0.0   | 32.8  |
| 79  | 10.0  | 0.0   | 30.4  |





#17  
2-Methylphenol  
Concen: 54.045 ng  
RT: 8.588 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

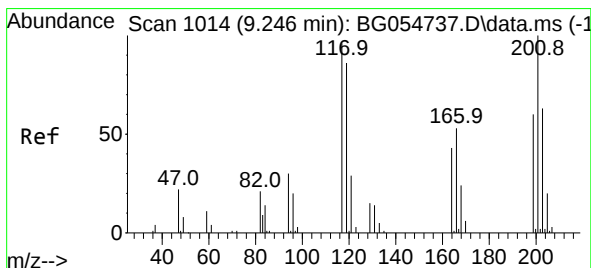
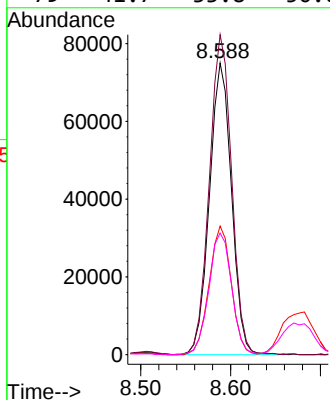
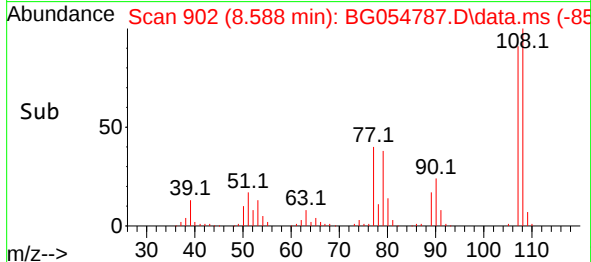
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



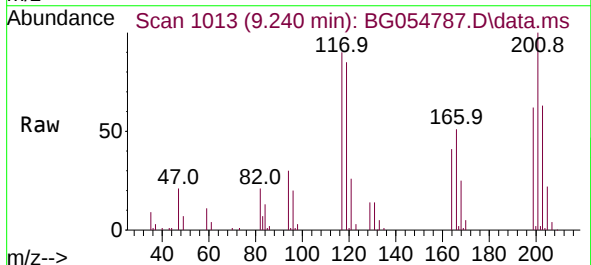
Tgt Ion:107 Resp: 128756  
Ion Ratio Lower Upper  
107 100  
108 109.7 85.6 128.4  
77 44.1 35.8 53.8  
79 41.7 33.8 50.6

Manual Integrations  
APPROVED

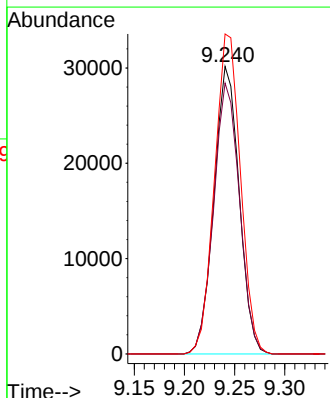
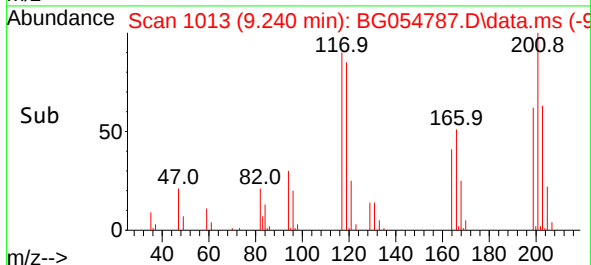
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

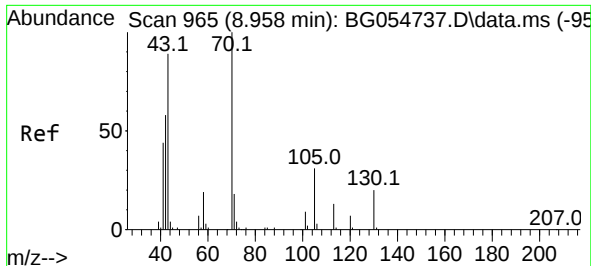


#18  
Hexachloroethane  
Concen: 46.363 ng  
RT: 9.240 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



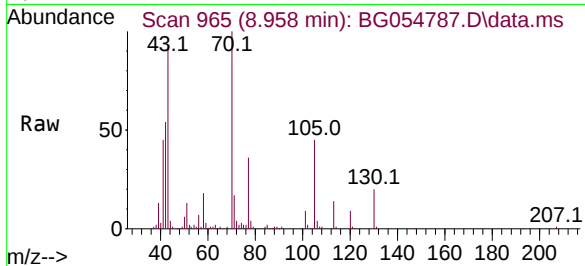
Tgt Ion:117 Resp: 52751  
Ion Ratio Lower Upper  
117 100  
119 94.2 77.0 115.6  
201 111.4 87.2 130.8





#19  
n-Nitroso-di-n-propylamine  
Concen: 48.721 ng  
RT: 8.958 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

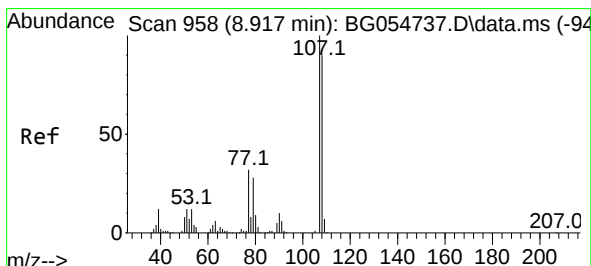
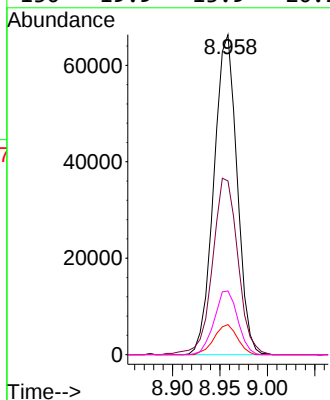
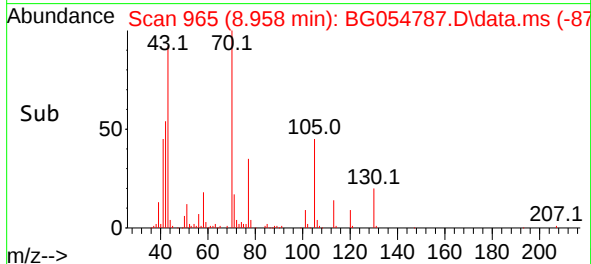
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



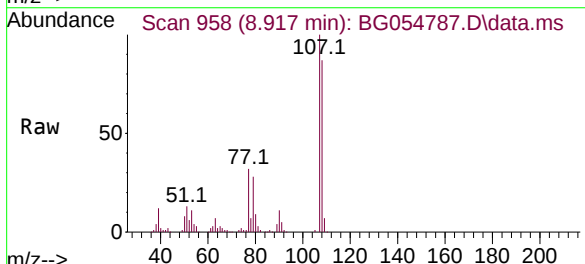
Tgt Ion: 70 Resp: 112731  
Ion Ratio Lower Upper  
70 100  
42 54.3 46.6 69.8  
101 9.4 7.7 11.5  
130 19.9 13.9 20.9

Manual Integrations  
APPROVED

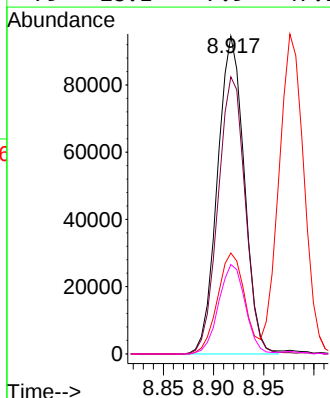
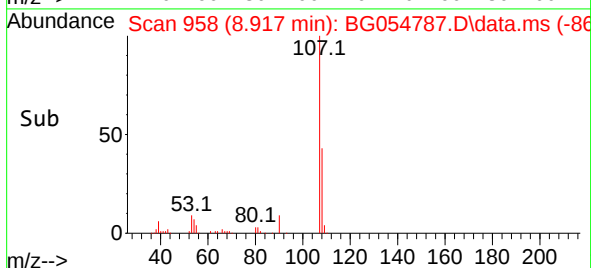
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

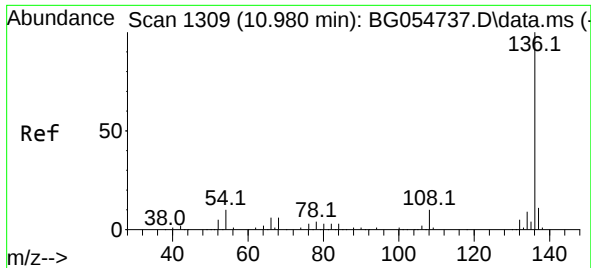


#20  
3+4-Methylphenols  
Concen: 53.028 ng  
RT: 8.917 min Scan# 958  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



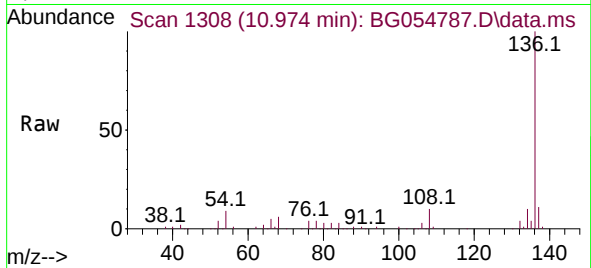
Tgt Ion:107 Resp: 175184  
Ion Ratio Lower Upper  
107 100  
108 87.2 71.6 111.6  
77 31.8 13.1 53.1  
79 28.1 7.9 47.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.974 min Scan# 1309  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

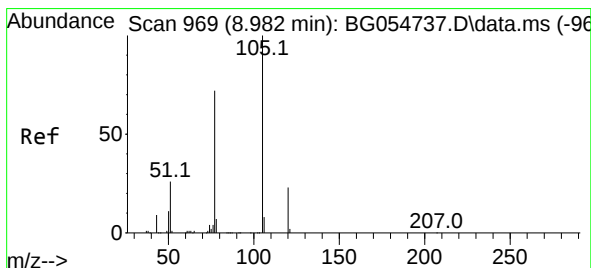
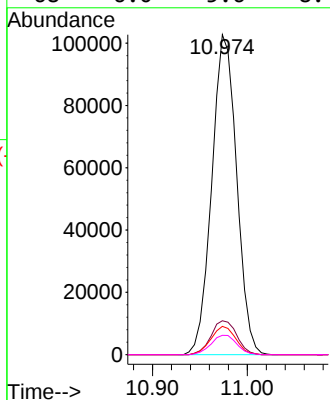
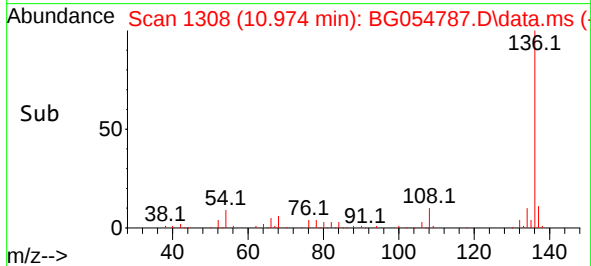
Instrument : BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:136 Resp: 186848  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.2 13.8  
54 8.8 7.7 11.5  
68 6.0 5.6 8.4

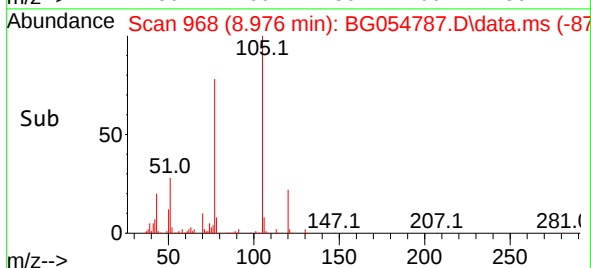
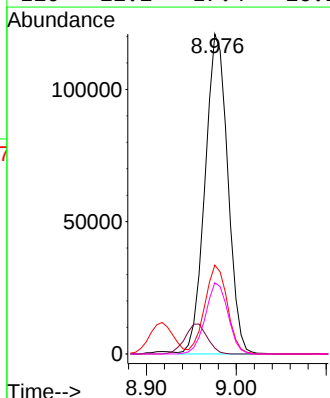
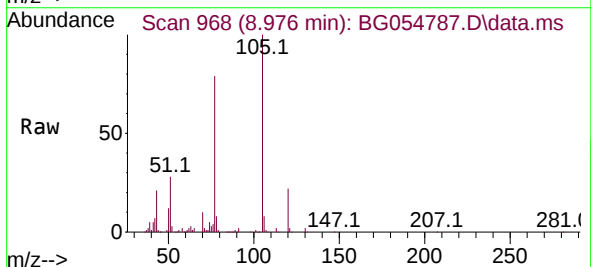
Manual Integrations  
APPROVED

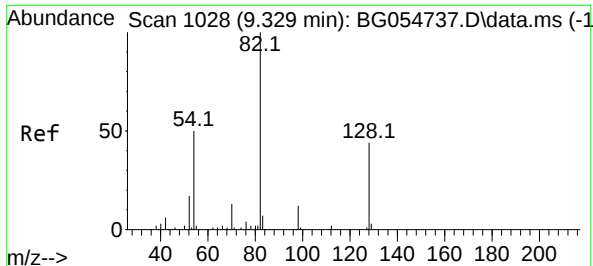
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#22  
Acetophenone  
Concen: 45.598 ng  
RT: 8.976 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Tgt Ion:105 Resp: 213149  
Ion Ratio Lower Upper  
105 100  
71 1.8 1.2 1.8#  
51 27.7 22.9 34.3  
120 22.2 17.4 26.2





#23

Nitrobenzene-d5

Concen: 69.800 ng

RT: 9.323 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BG054787.D

Acq: 30 Aug 2022 13:05

Instrument :

BNA\_G

ClientSampleId :

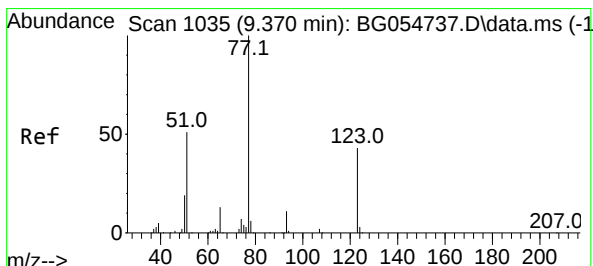
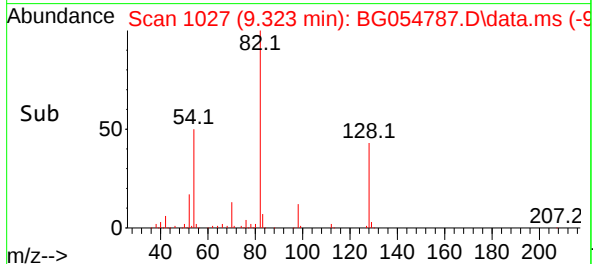
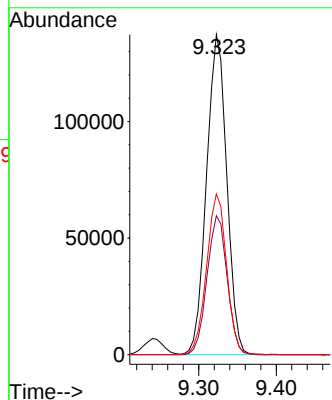
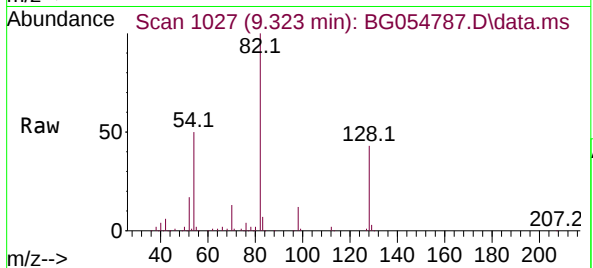
ROCK-FINES-QA/QC-COMPMS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 24843 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 43.4  | 32.2  | 48.2  |
| 54        | 50.3  | 41.4  | 62.0  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#24

Nitrobenzene

Concen: 43.996 ng

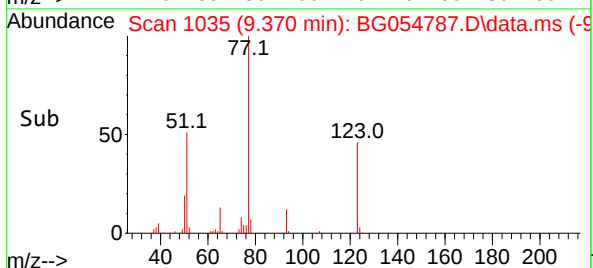
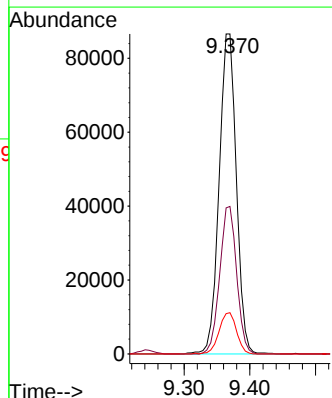
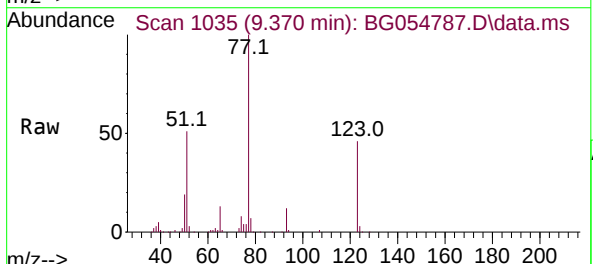
RT: 9.370 min Scan# 1035

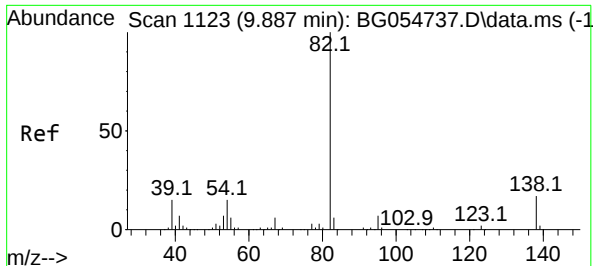
Delta R.T. -0.000 min

Lab File: BG054787.D

Acq: 30 Aug 2022 13:05

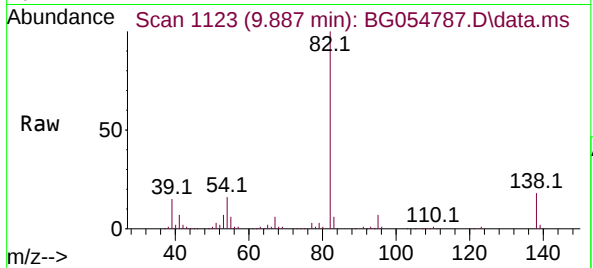
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 157836 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 46.1  | 35.0  | 52.6   |
| 65        | 12.9  | 10.2  | 15.2   |





#25  
Isophorone  
Concen: 48.026 ng  
RT: 9.887 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

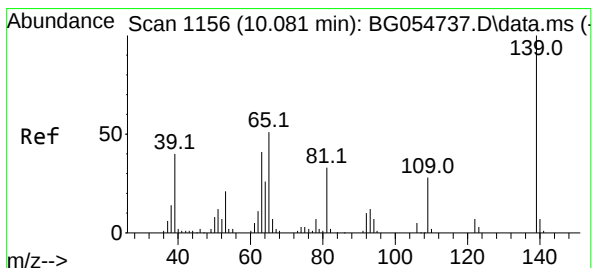
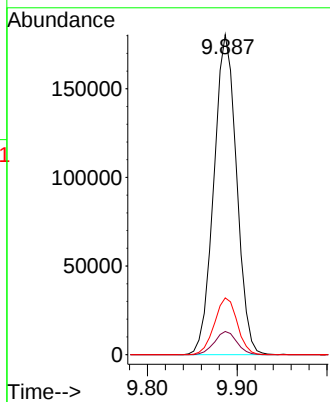
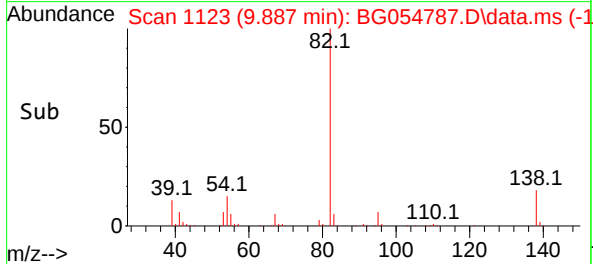
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion: 82 Resp: 318726  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.6 8.4  
138 17.7 13.9 20.9

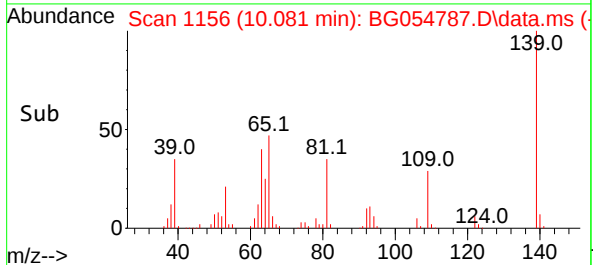
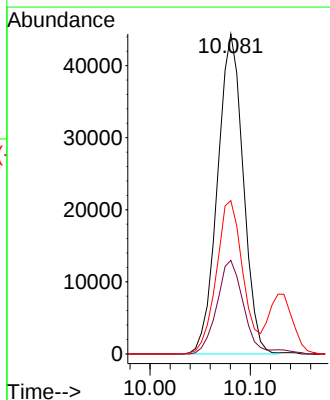
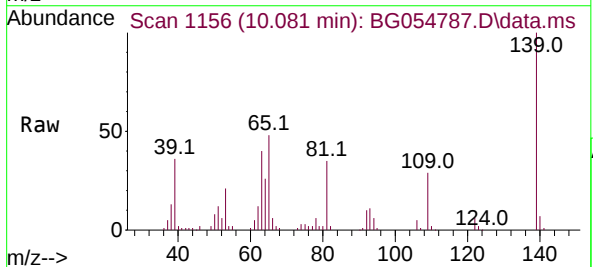
Manual Integrations  
APPROVED

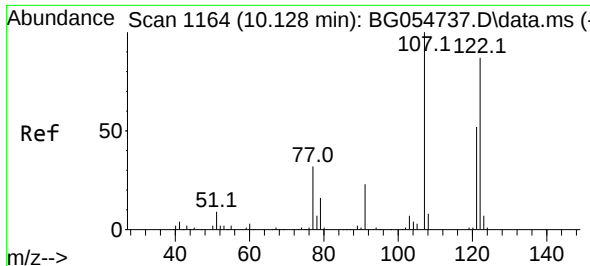
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#26  
2-Nitrophenol  
Concen: 49.917 ng  
RT: 10.081 min Scan# 1156  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Tgt Ion:139 Resp: 79103  
Ion Ratio Lower Upper  
139 100  
109 29.2 21.8 32.6  
65 47.9 37.4 56.0





#27

2,4-Dimethylphenol

Concen: 56.096 ng

RT: 10.128 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BG054787.D

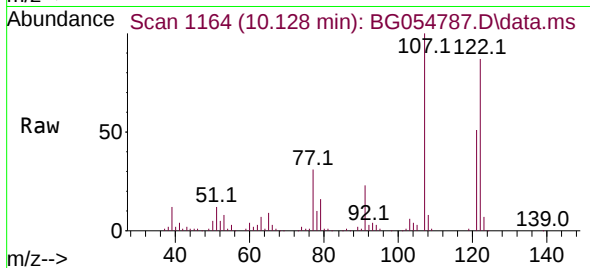
Acq: 30 Aug 2022 13:05

Instrument :

BNA\_G

ClientSampleId :

ROCK-FINES-QA/QC-COMPMS



Tgt Ion:122 Resp: 14084

Ion Ratio Lower Upper

122 100

107 114.6 94.6 142.0

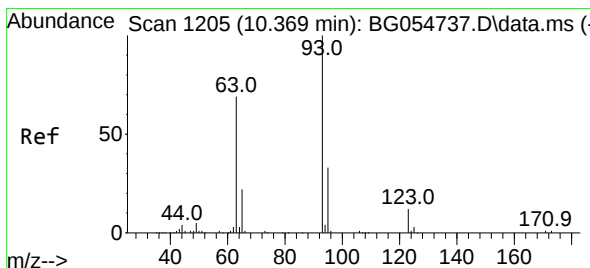
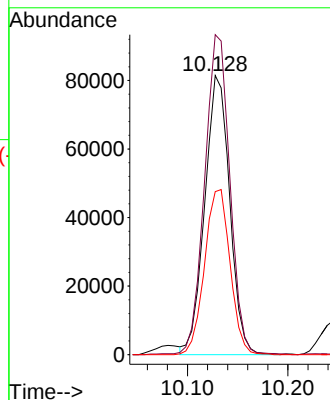
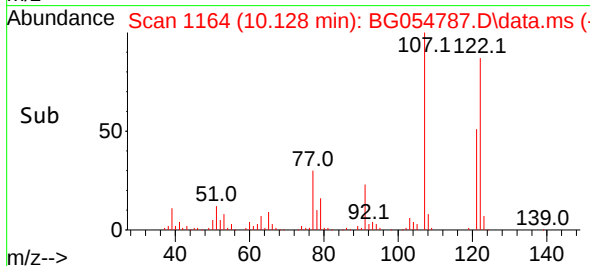
121 58.4 49.8 74.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/31/2022

Supervised By :Jagrut Upadhyay 08/31/2022



#28

bis(2-Chloroethoxy)methane

Concen: 50.342 ng

RT: 10.368 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BG054787.D

Acq: 30 Aug 2022 13:05

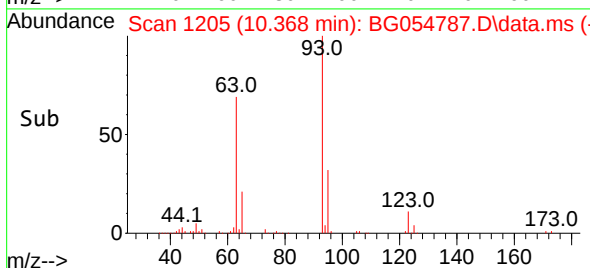
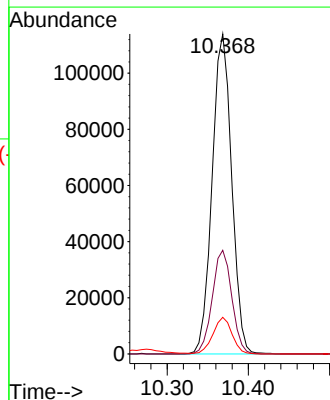
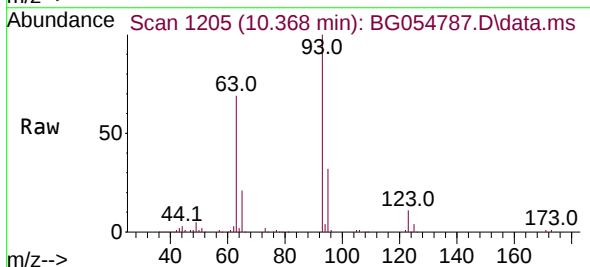
Tgt Ion: 93 Resp: 190374

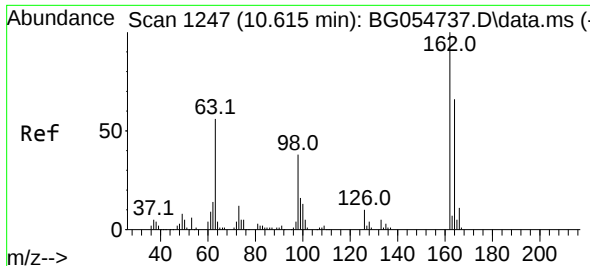
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 11.4 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 51.708 ng

RT: 10.615 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BG054787.D

Acq: 30 Aug 2022 13:05

Instrument :

BNA\_G

ClientSampleId :

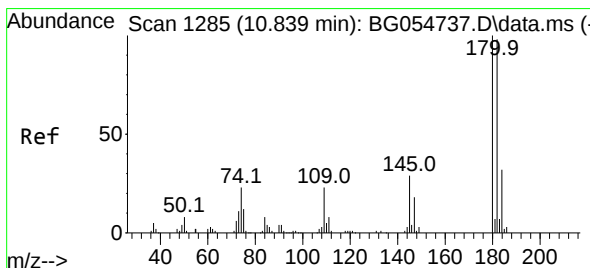
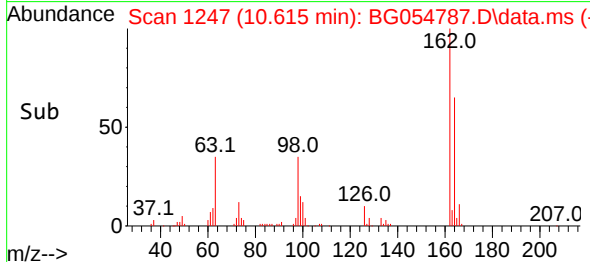
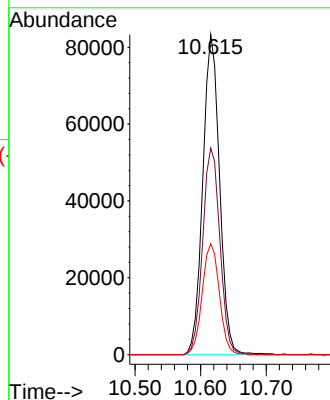
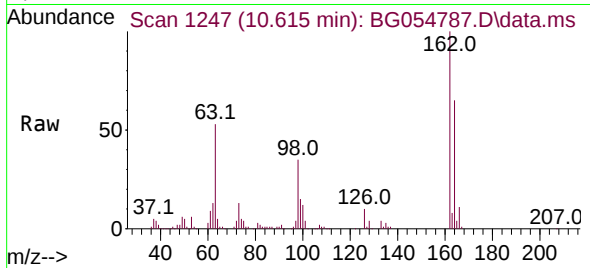
ROCK-FINES-QA/QC-COMPMS

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:162 | Resp: | 147668    |
| Ion Ratio   | Lower | Upper     |
| 162         | 100   |           |
| 164         | 64.5  | 47.2 87.2 |
| 98          | 34.7  | 16.6 56.6 |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#30

1,2,4-Trichlorobenzene

Concen: 45.353 ng

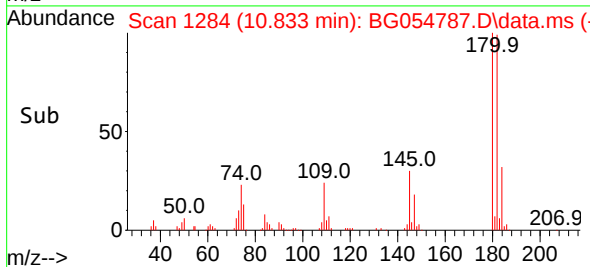
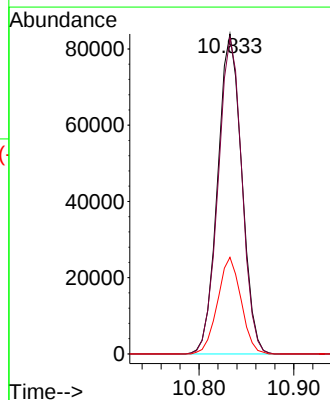
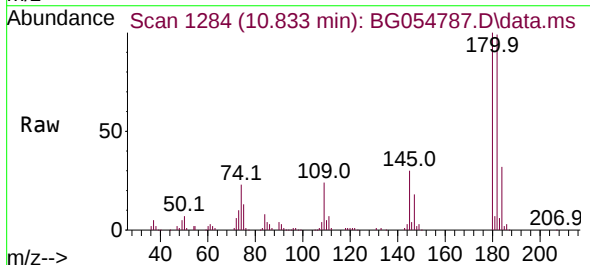
RT: 10.833 min Scan# 1284

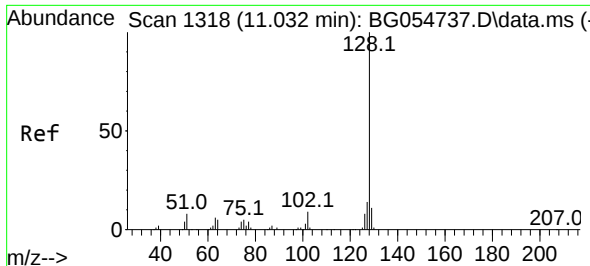
Delta R.T. -0.006 min

Lab File: BG054787.D

Acq: 30 Aug 2022 13:05

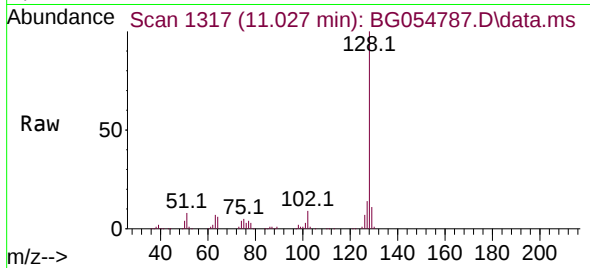
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 148015     |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 98.8  | 77.0 115.6 |
| 145         | 30.2  | 24.0 36.0  |





#31  
Naphthalene  
Concen: 44.935 ng  
RT: 11.027 min Scan# 1318  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

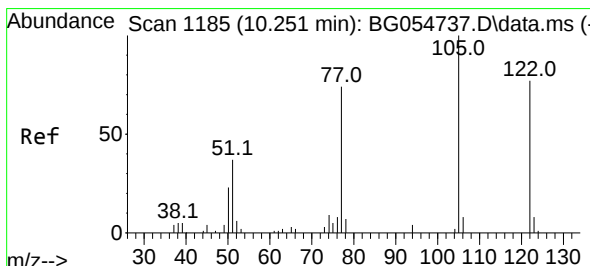
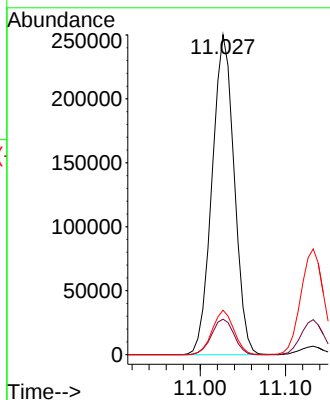
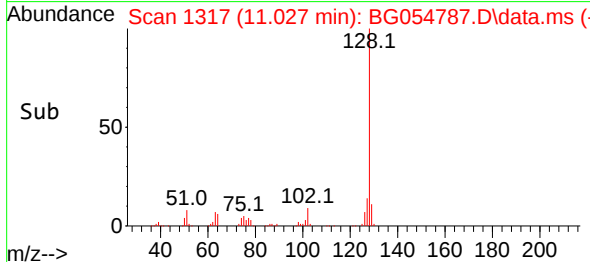
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:128 Resp: 450460  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.0 13.4  
127 13.9 11.1 16.7

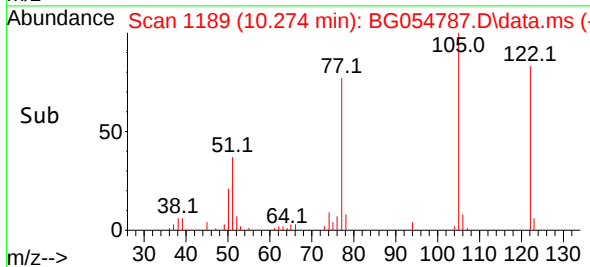
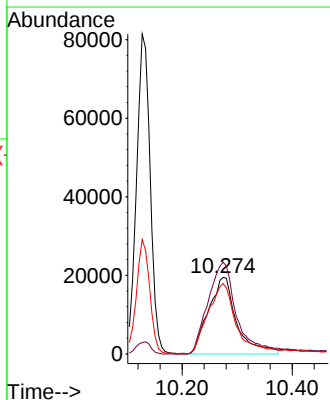
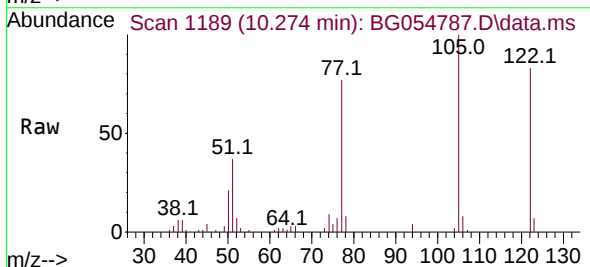
Manual Integrations  
APPROVED

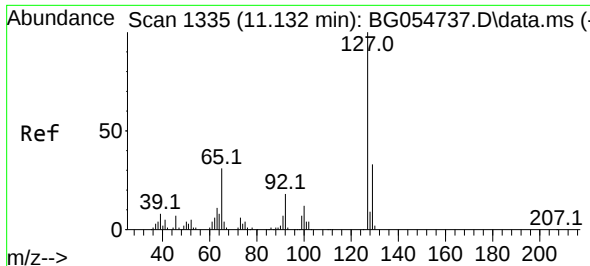
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#32  
Benzoic acid  
Concen: 40.190 ng  
RT: 10.274 min Scan# 1189  
Delta R.T. 0.023 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Tgt Ion:122 Resp: 69325  
Ion Ratio Lower Upper  
122 100  
105 119.9 101.5 141.5  
77 92.1 69.3 109.3





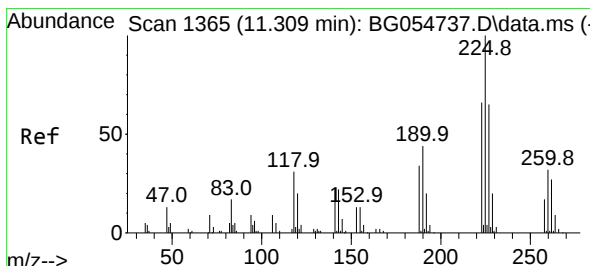
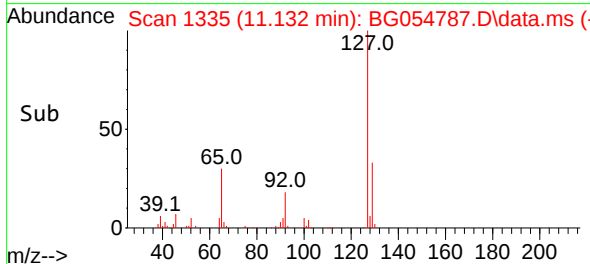
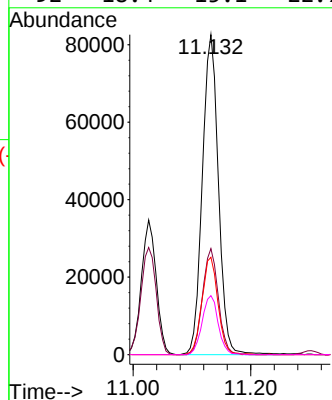
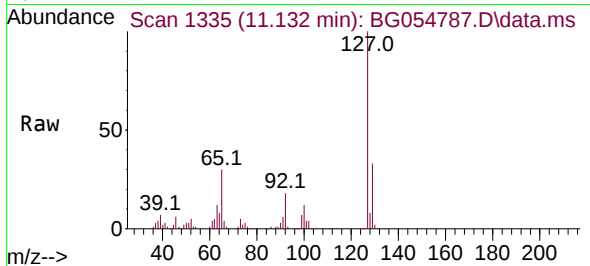
#33  
4-Chloroaniline  
Concen: 38.429 ng  
RT: 11.132 min Scan# 1335  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 15705 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 33.1  | 26.0  | 39.0  |
| 65        | 30.4  | 25.8  | 38.8  |
| 92        | 18.4  | 15.1  | 22.7  |

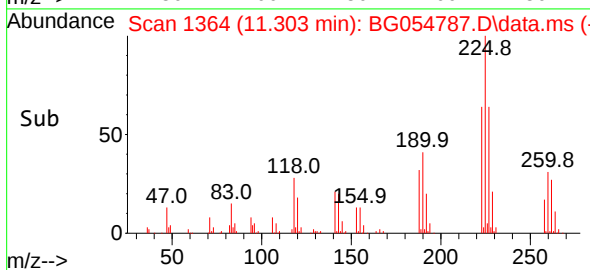
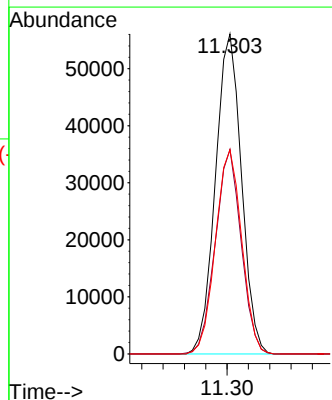
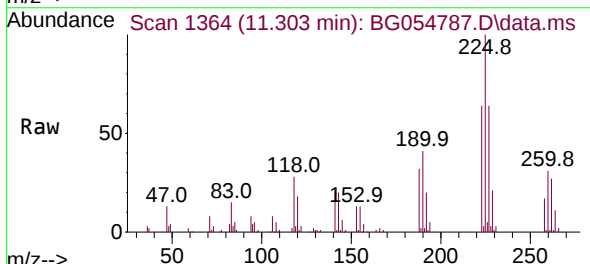
Manual Integrations  
APPROVED

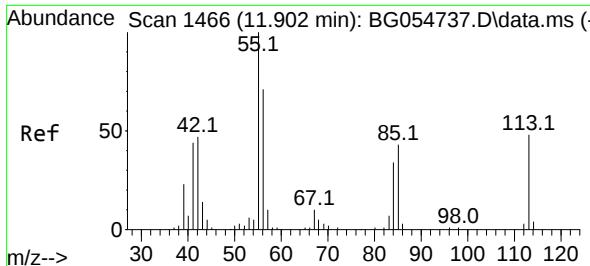
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#34  
Hexachlorobutadiene  
Concen: 45.534 ng  
RT: 11.303 min Scan# 1364  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

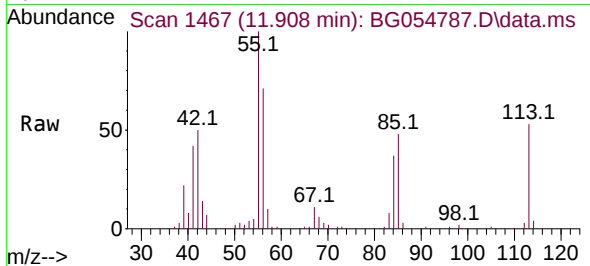
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 95211 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.9  | 51.4  | 77.0  |
| 227       | 63.8  | 52.6  | 79.0  |





#35  
Caprolactam  
Concen: 51.648 ng m  
RT: 11.908 min Scan# 1466  
Delta R.T. 0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

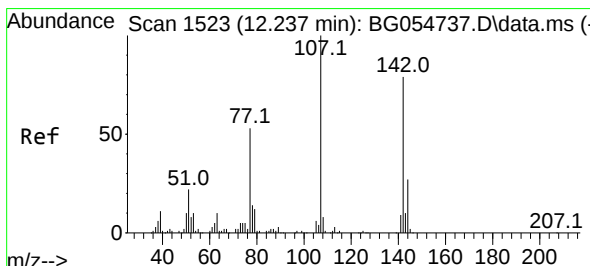
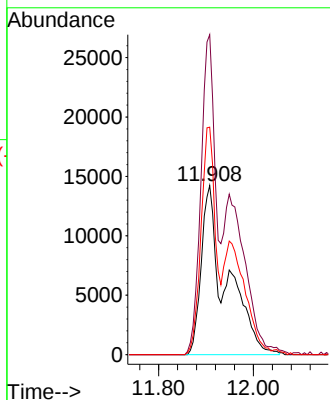
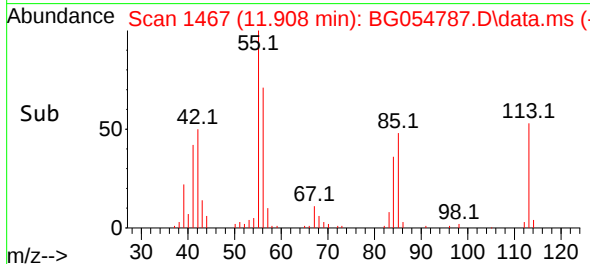
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:113 Resp: 5203  
Ion Ratio Lower Upper  
113 100  
55 189.3 179.1 219.1  
56 134.5 120.8 160.8

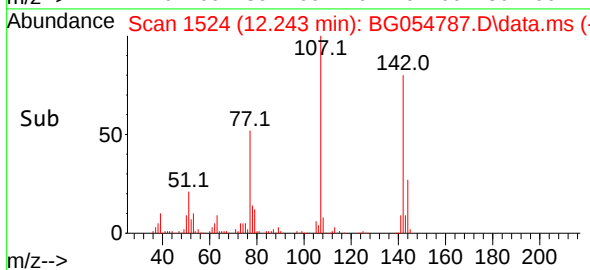
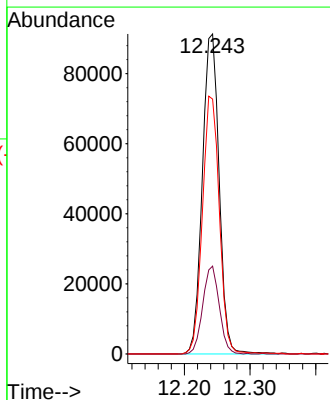
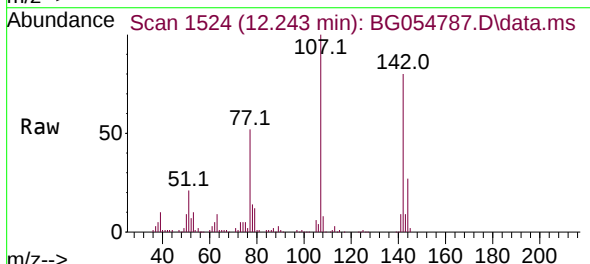
Manual Integrations  
APPROVED

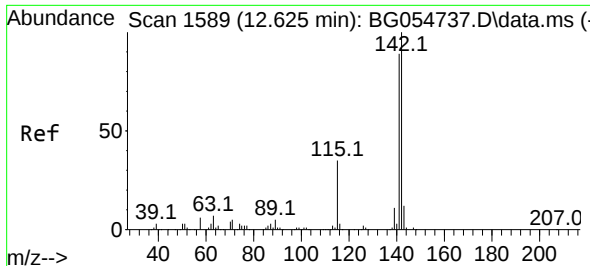
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#36  
4-Chloro-3-methylphenol  
Concen: 51.809 ng  
RT: 12.243 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

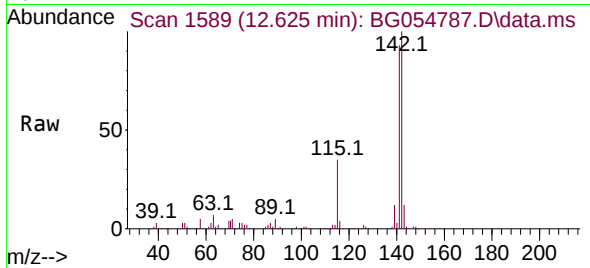
Tgt Ion:107 Resp: 161798  
Ion Ratio Lower Upper  
107 100  
144 27.4 22.4 33.6  
142 79.6 65.8 98.8





#37  
2-Methylnaphthalene  
Concen: 47.174 ng  
RT: 12.625 min Scan# 1589  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

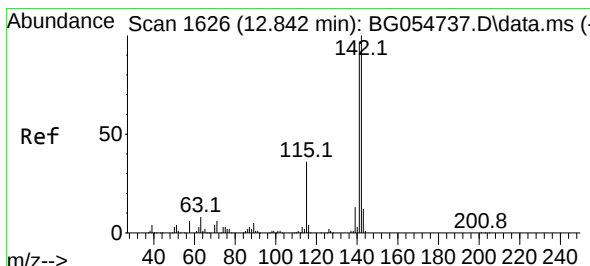
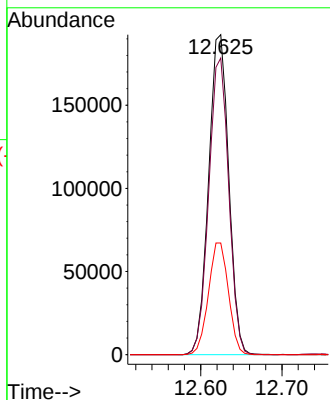
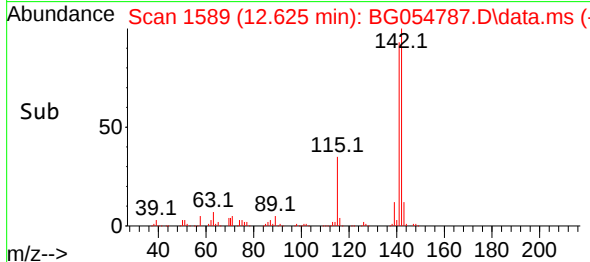
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:142 Resp: 331454  
Ion Ratio Lower Upper  
142 100  
141 92.7 73.0 109.4  
115 34.9 27.3 40.9

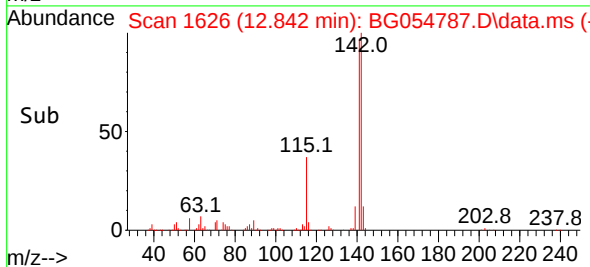
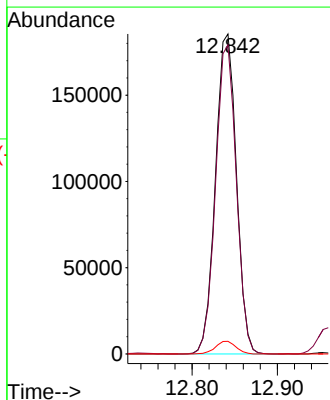
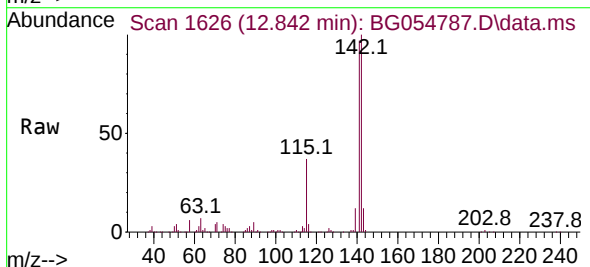
Manual Integrations  
APPROVED

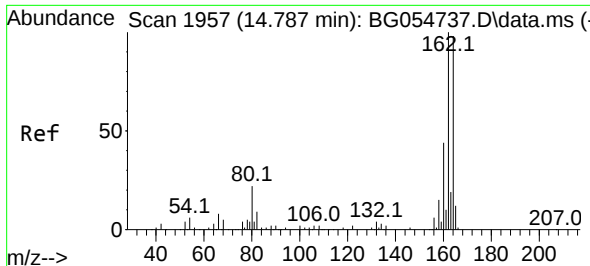
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#38  
1-Methylnaphthalene  
Concen: 46.242 ng  
RT: 12.842 min Scan# 1626  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

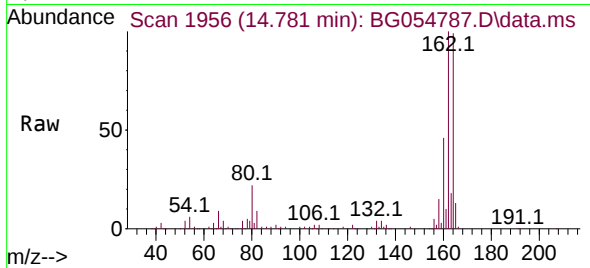
Tgt Ion:142 Resp: 316114  
Ion Ratio Lower Upper  
142 100  
141 96.6 77.4 116.0  
116 3.9 3.0 4.4





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.781 min Scan# 1957  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

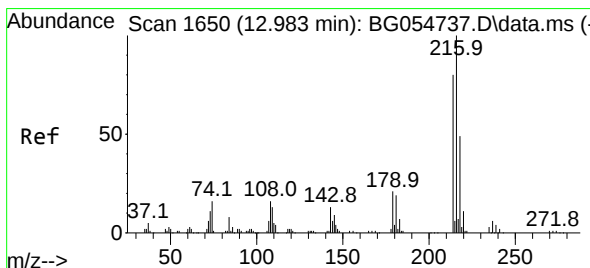
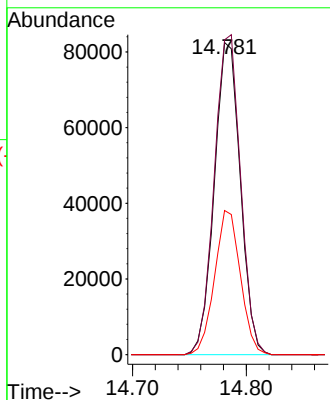
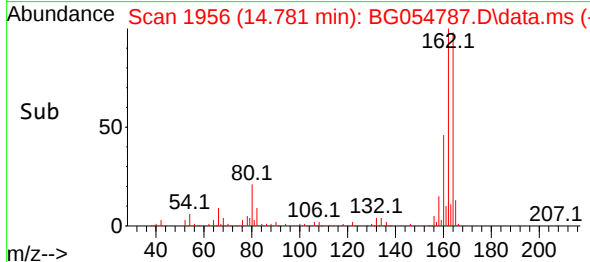
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:164 Resp: 130779  
Ion Ratio Lower Upper  
164 100  
162 100.9 83.0 124.4  
160 46.2 38.0 57.0

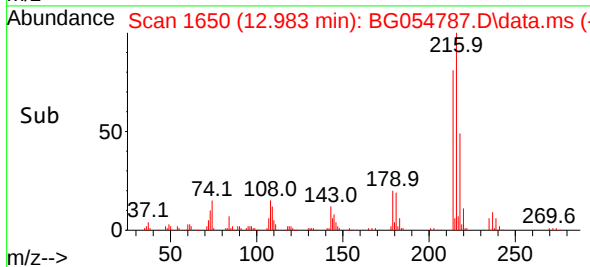
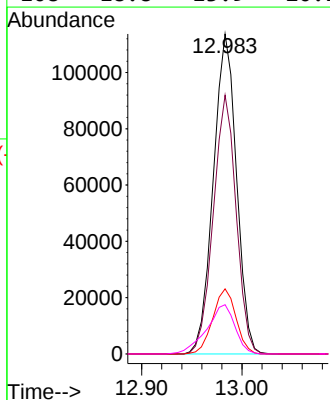
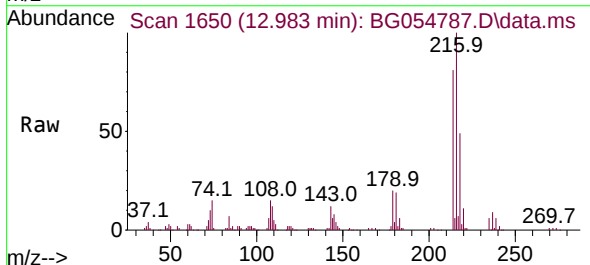
Manual Integrations  
APPROVED

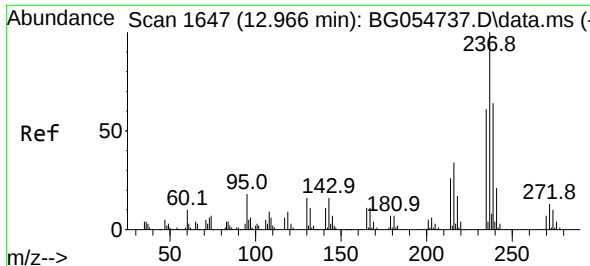
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.369 ng  
RT: 12.983 min Scan# 1650  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

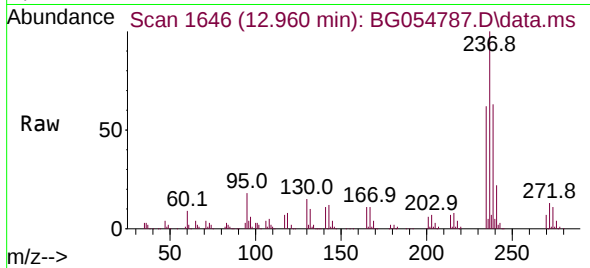
Tgt Ion:216 Resp: 182797  
Ion Ratio Lower Upper  
216 100  
214 79.5 63.2 94.8  
179 20.4 16.5 24.7  
108 18.8 13.9 20.9





#41  
Hexachlorocyclopentadiene  
Concen: 104.651 ng  
RT: 12.960 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

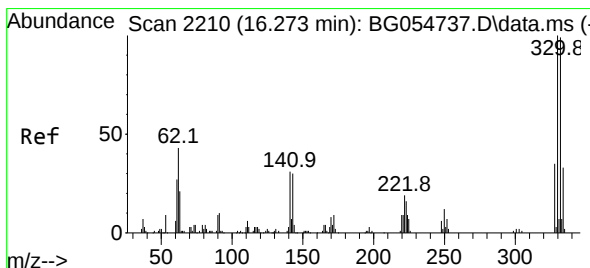
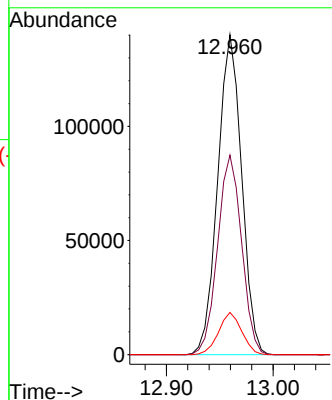
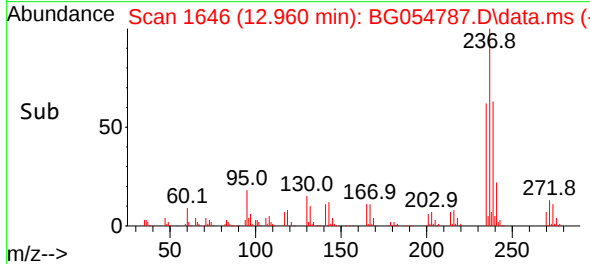
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



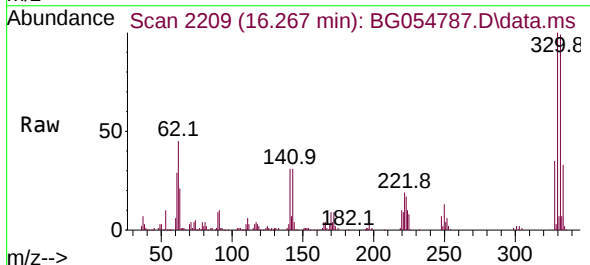
Tgt Ion:237 Resp: 218794  
Ion Ratio Lower Upper  
237 100  
235 62.3 42.2 82.2  
272 13.2 0.0 34.0

Manual Integrations  
APPROVED

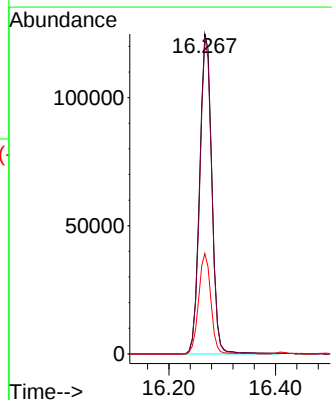
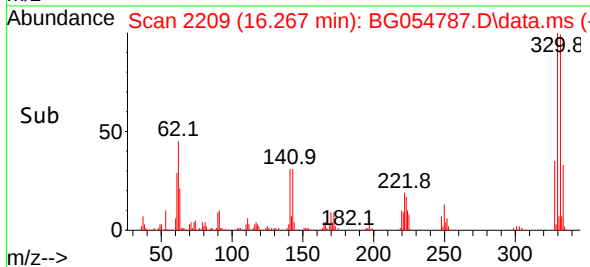
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

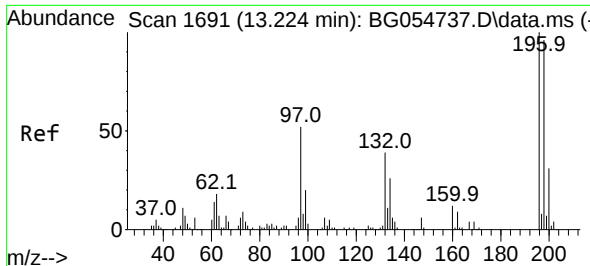


#42  
2,4,6-Tribromophenol  
Concen: 120.933 ng  
RT: 16.267 min Scan# 2209  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



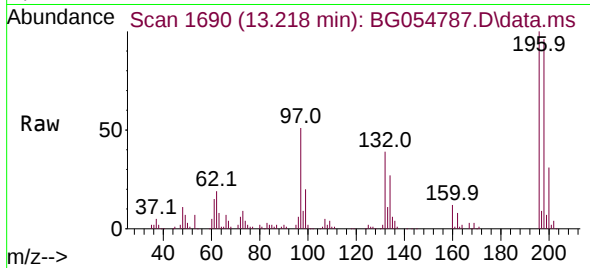
Tgt Ion:330 Resp: 197625  
Ion Ratio Lower Upper  
330 100  
332 96.8 79.8 119.6  
141 31.3 26.8 40.2





#43  
2,4,6-Trichlorophenol  
Concen: 48.498 ng  
RT: 13.218 min Scan# 1690  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

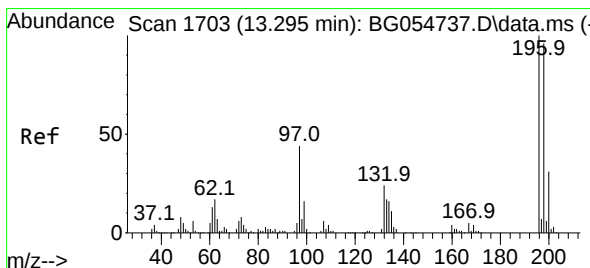
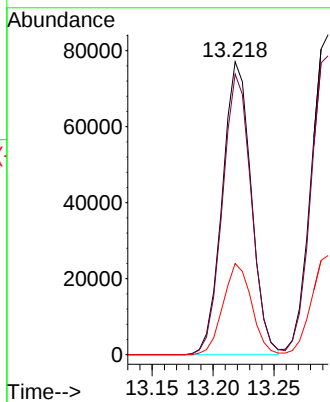
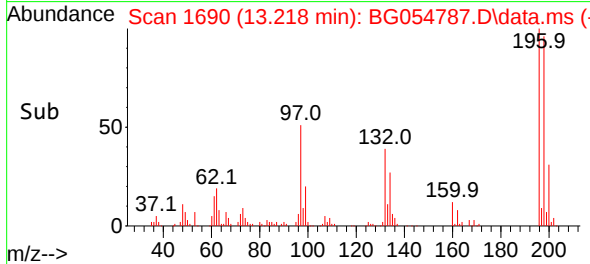
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



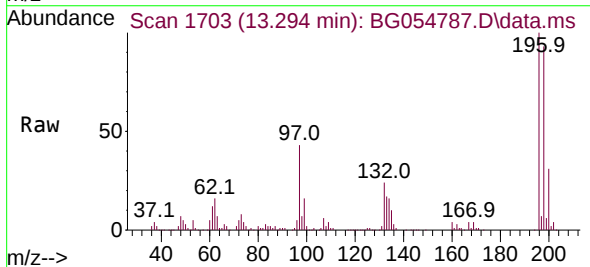
Tgt Ion:196 Resp: 126903  
Ion Ratio Lower Upper  
196 100  
198 95.8 77.1 115.7  
200 31.1 24.2 36.4

Manual Integrations  
APPROVED

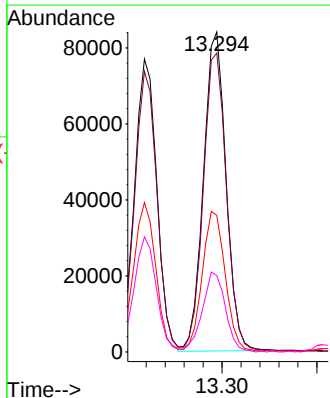
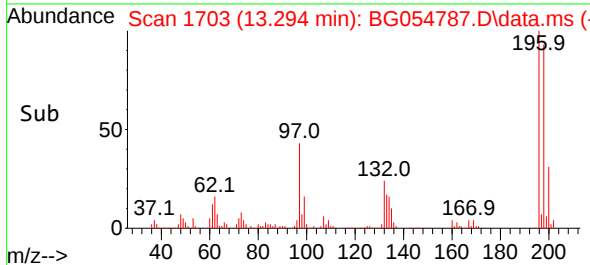
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

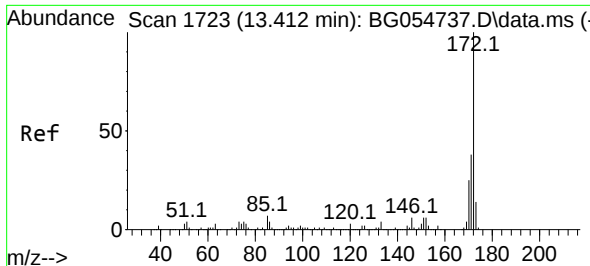


#44  
2,4,5-Trichlorophenol  
Concen: 47.349 ng  
RT: 13.294 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



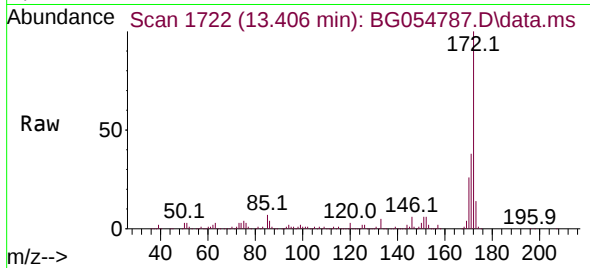
Tgt Ion:196 Resp: 139142  
Ion Ratio Lower Upper  
196 100  
198 93.4 76.7 115.1  
97 42.6 36.6 55.0  
132 23.9 19.5 29.3





#45  
2-Fluorobiphenyl  
Concen: 72.141 ng  
RT: 13.406 min Scan# 1722  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

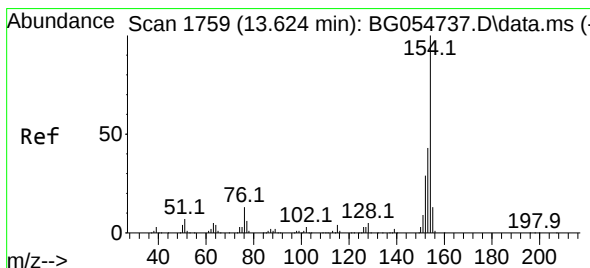
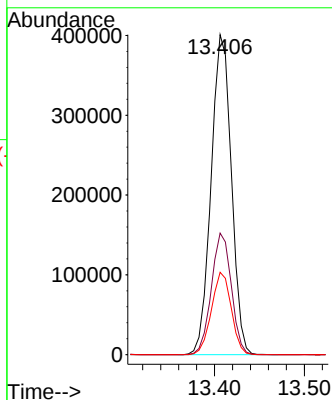
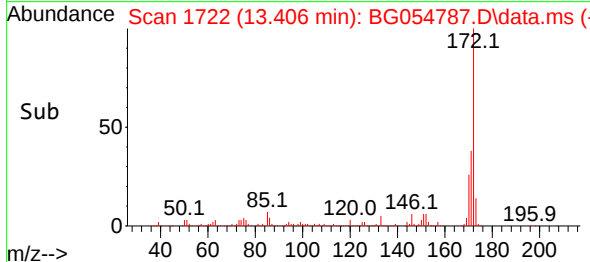
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



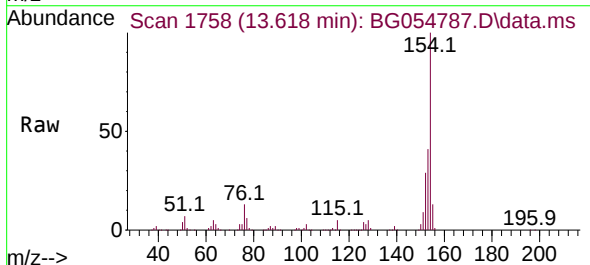
Tgt Ion:172 Resp: 627704  
Ion Ratio Lower Upper  
172 100  
171 38.0 31.2 46.8  
170 25.7 20.6 30.8

Manual Integrations  
APPROVED

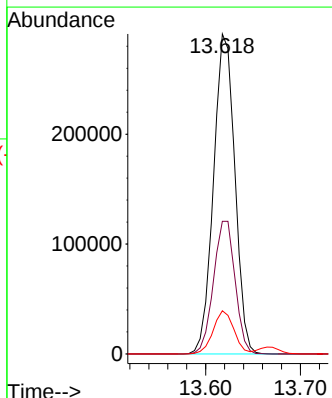
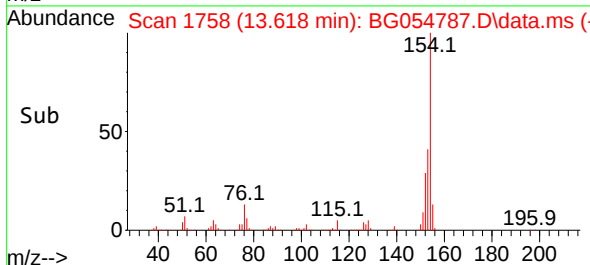
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

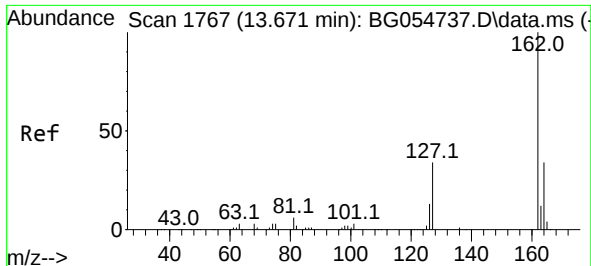


#46  
1,1'-Biphenyl  
Concen: 46.850 ng  
RT: 13.618 min Scan# 1758  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



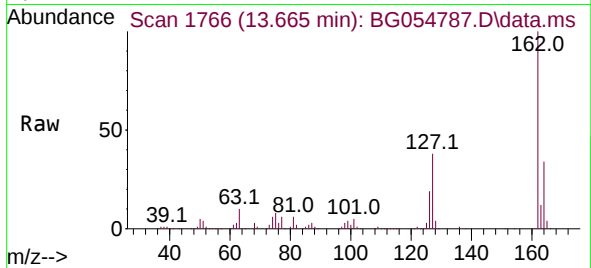
Tgt Ion:154 Resp: 454989  
Ion Ratio Lower Upper  
154 100  
153 41.4 22.2 62.2  
76 13.5 0.0 34.0





#47  
2-Chloronaphthalene  
Concen: 45.737 ng  
RT: 13.665 min Scan# 1766  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

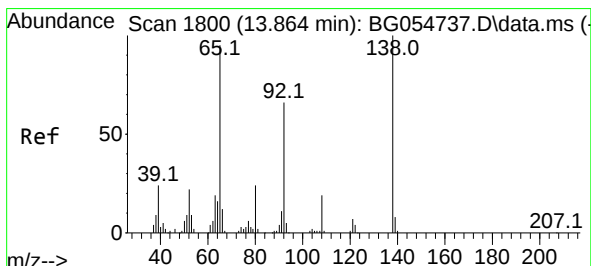
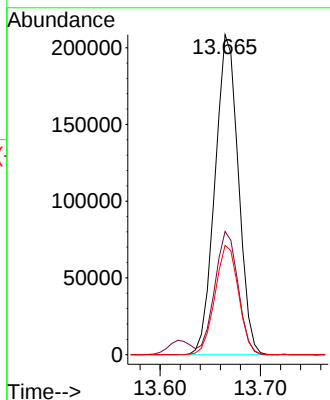
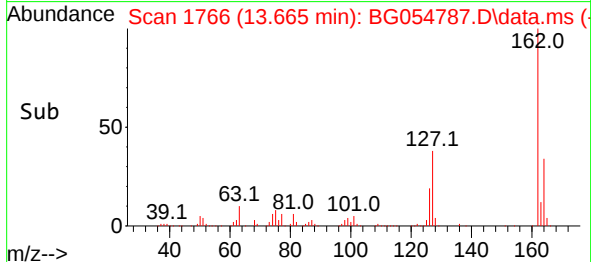
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:162 Resp: 337336  
Ion Ratio Lower Upper  
162 100  
127 38.5 31.5 47.3  
164 34.1 27.8 41.6

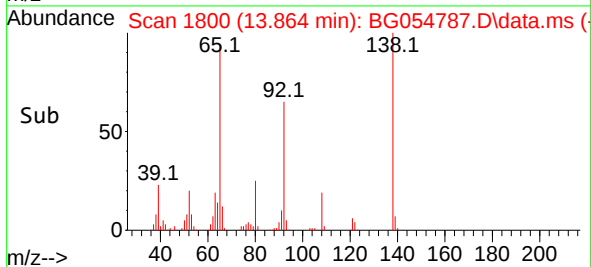
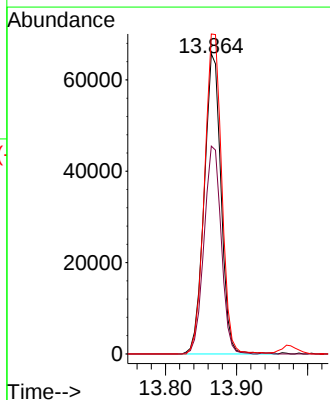
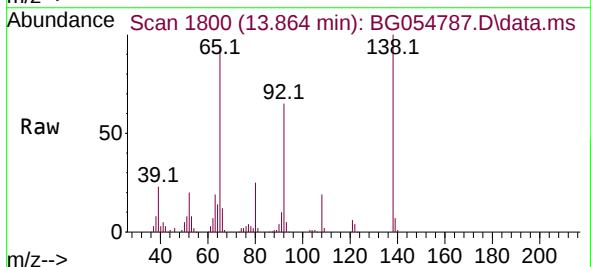
Manual Integrations  
APPROVED

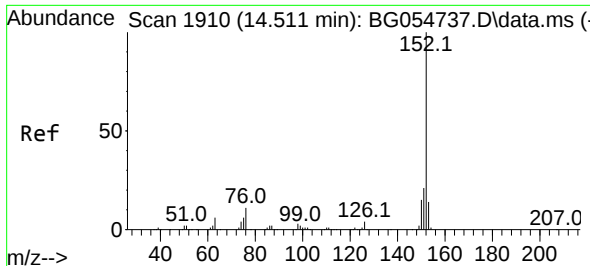
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#48  
2-Nitroaniline  
Concen: 46.562 ng  
RT: 13.864 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

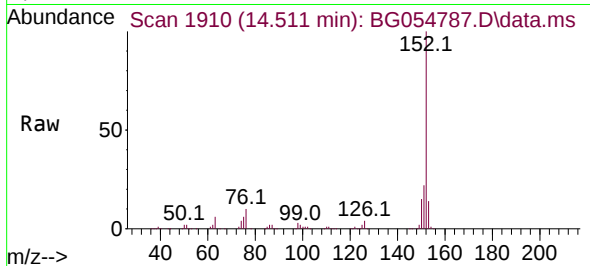
Tgt Ion: 65 Resp: 107627  
Ion Ratio Lower Upper  
65 100  
92 69.3 54.7 82.1  
138 106.7 84.1 126.1





#49  
Acenaphthylene  
Concen: 46.237 ng  
RT: 14.511 min Scan# 1910  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

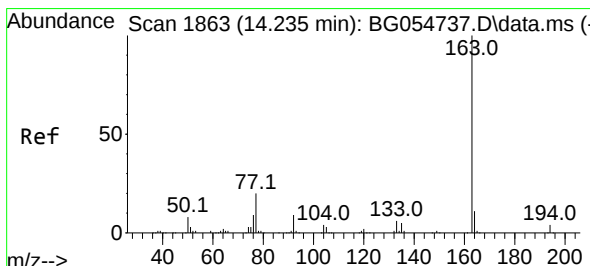
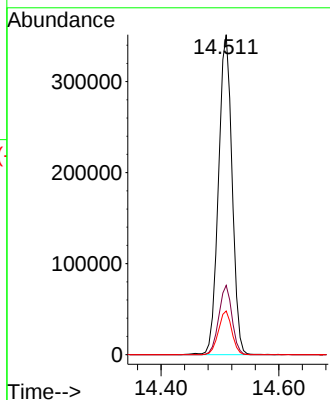
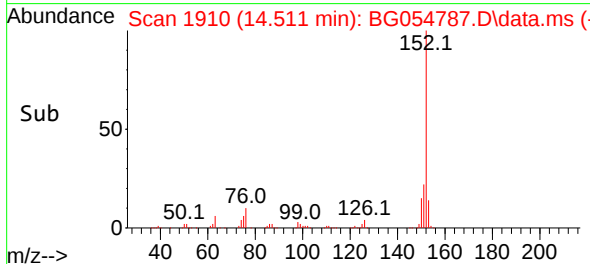
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



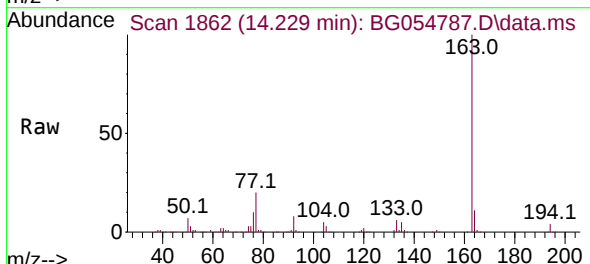
Tgt Ion:152 Resp: 562758  
Ion Ratio Lower Upper  
152 100  
151 21.6 17.3 25.9  
153 13.6 10.8 16.2

Manual Integrations  
APPROVED

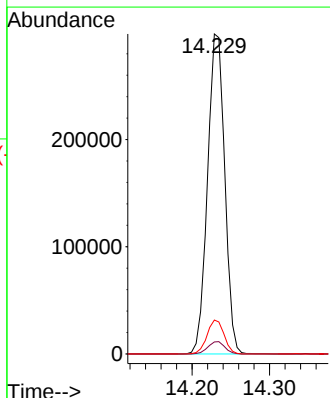
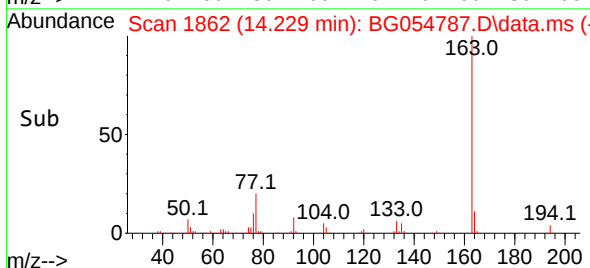
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

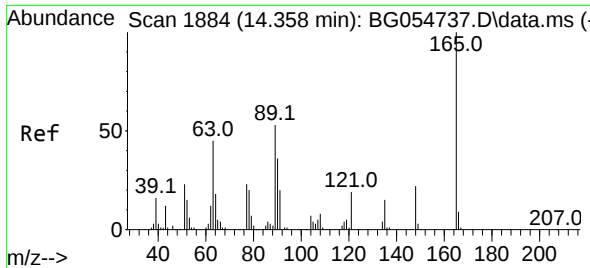


#50  
Dimethylphthalate  
Concen: 45.617 ng  
RT: 14.229 min Scan# 1862  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



Tgt Ion:163 Resp: 459602  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.0 4.4  
164 10.6 8.0 12.0





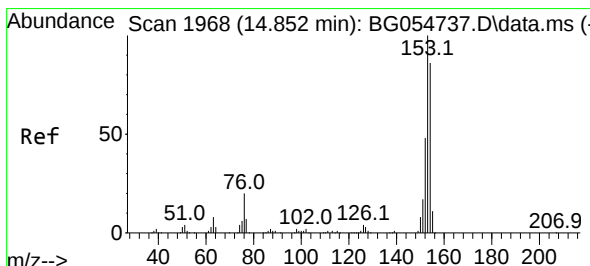
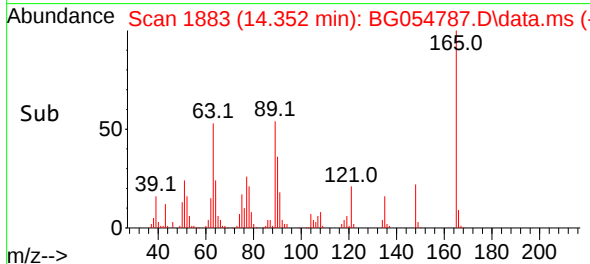
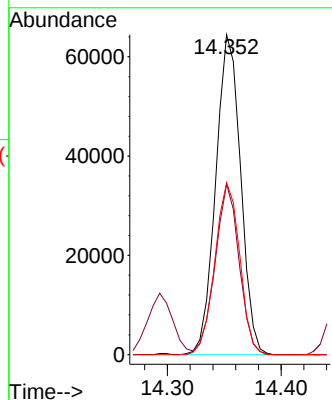
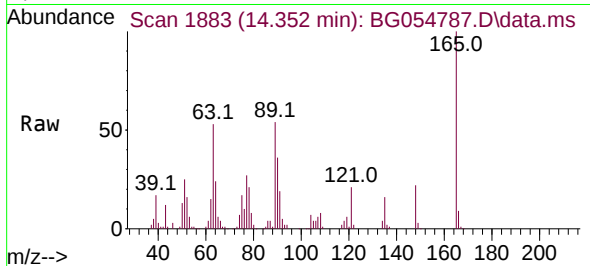
#51  
2,6-Dinitrotoluene  
Concen: 47.607 ng  
RT: 14.352 min Scan# 1884  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS

Tgt Ion:165 Resp: 98108  
Ion Ratio Lower Upper  
165 100  
63 53.3 46.0 69.0  
89 53.7 50.3 75.5

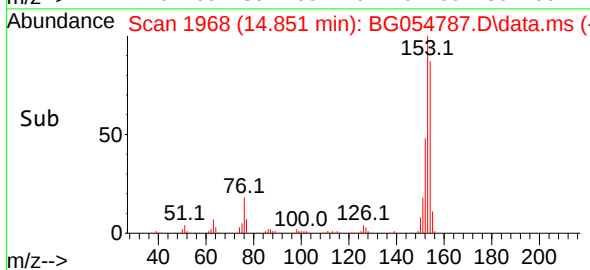
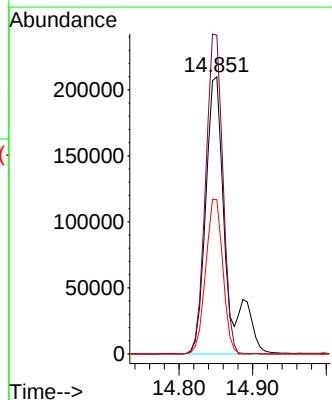
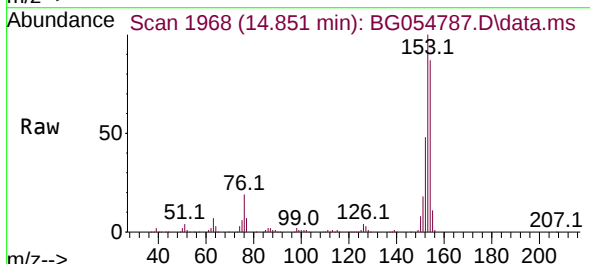
Manual Integrations  
APPROVED

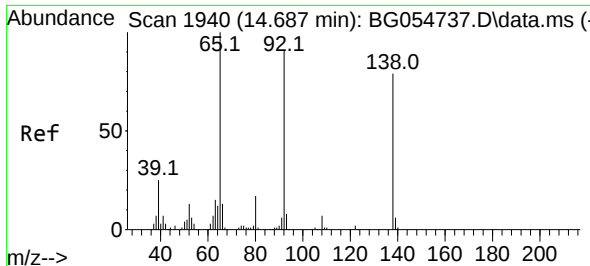
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#52  
Acenaphthene  
Concen: 50.921 ng m  
RT: 14.851 min Scan# 1968  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

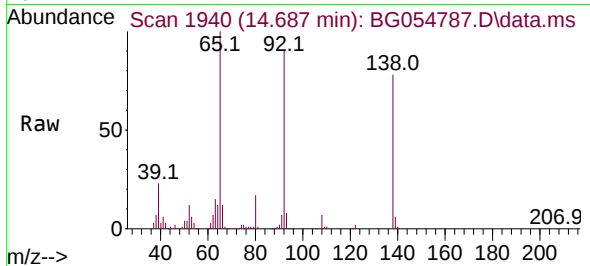
Tgt Ion:154 Resp: 398108  
Ion Ratio Lower Upper  
154 100  
153 115.0 92.8 139.2  
152 55.7 45.4 68.2





#53  
3-Nitroaniline  
Concen: 38.950 ng  
RT: 14.687 min Scan# 1940  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

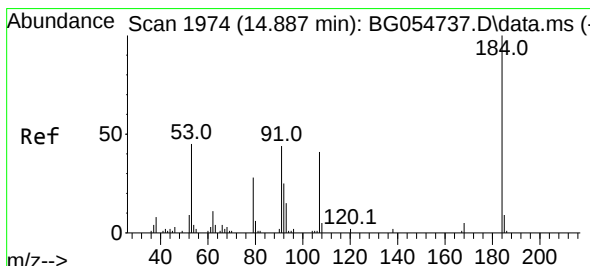
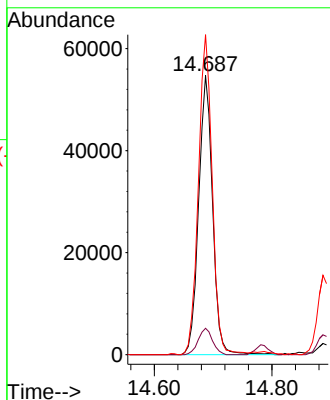
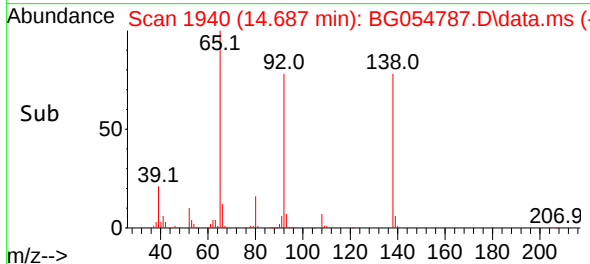
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



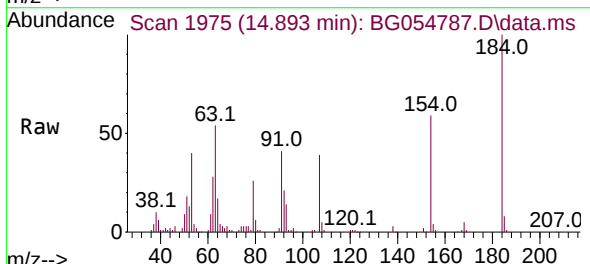
Tgt Ion:138 Resp: 89856  
Ion Ratio Lower Upper  
138 100  
108 9.4 7.6 11.4  
92 114.7 96.0 144.0

Manual Integrations  
APPROVED

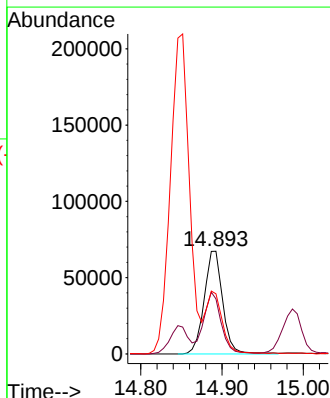
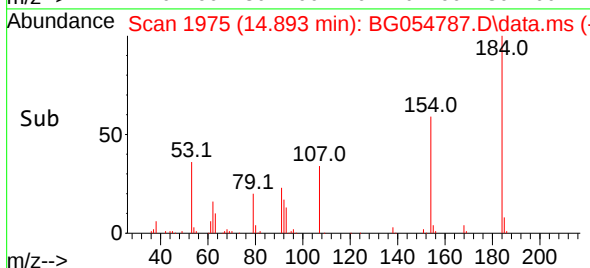
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

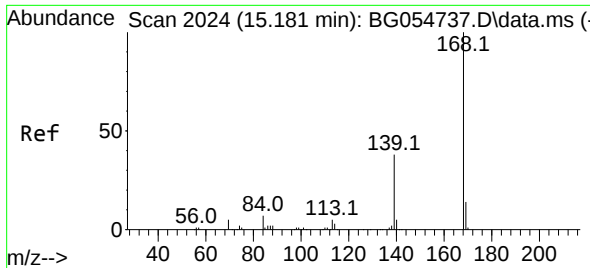


#54  
2,4-Dinitrophenol  
Concen: 91.004 ng  
RT: 14.893 min Scan# 1975  
Delta R.T. 0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



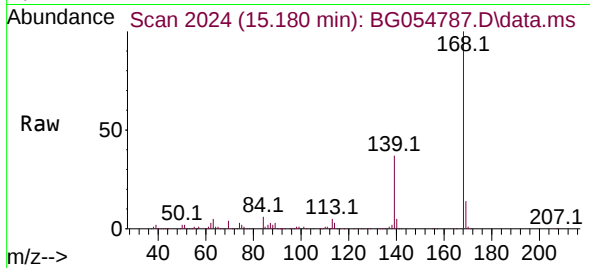
Tgt Ion:184 Resp: 107010  
Ion Ratio Lower Upper  
184 100  
63 53.5 41.8 62.8  
154 58.6 45.2 67.8





#55  
Dibenzenofuran  
Concen: 45.729 ng  
RT: 15.180 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

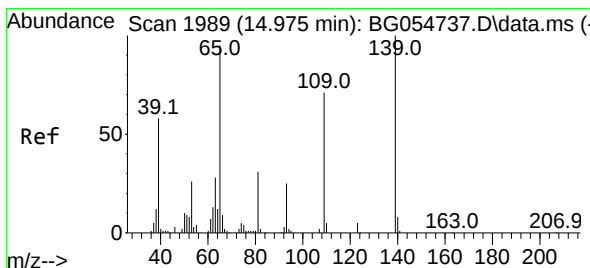
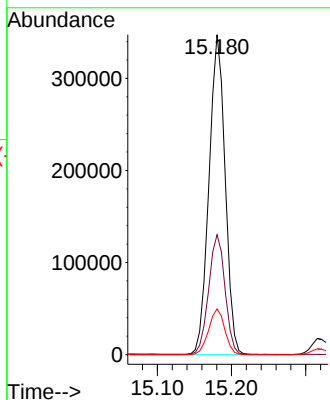
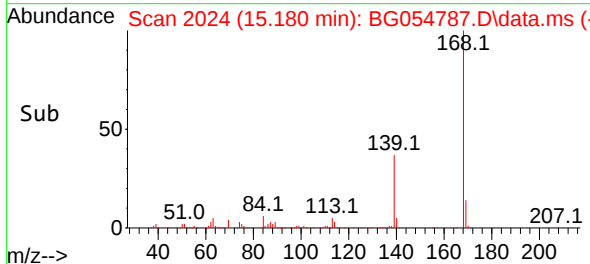
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



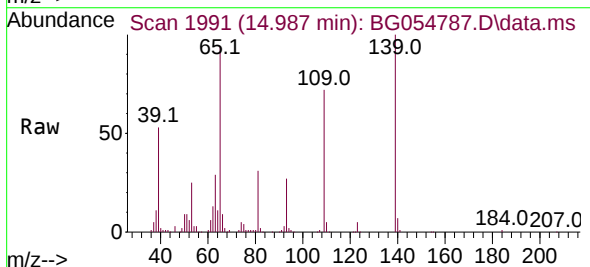
Tgt Ion:168 Resp: 525342  
Ion Ratio Lower Upper  
168 100  
139 37.5 30.2 45.2  
169 14.3 11.3 16.9

Manual Integrations  
APPROVED

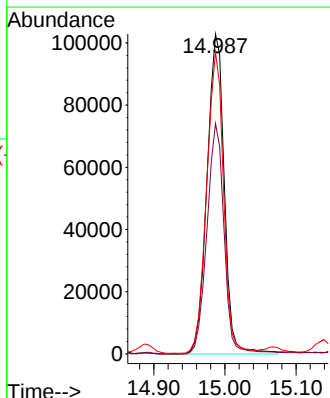
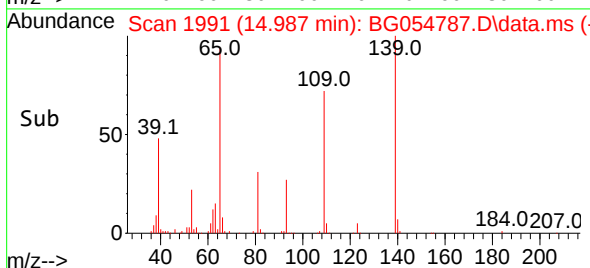
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

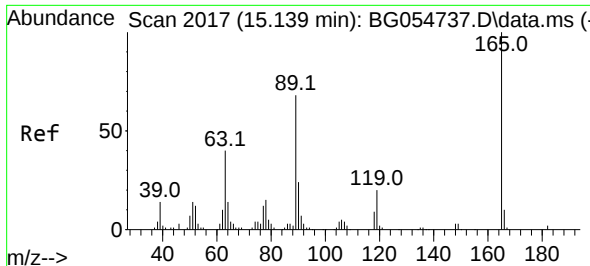


#56  
4-Nitrophenol  
Concen: 96.985 ng  
RT: 14.987 min Scan# 1991  
Delta R.T. 0.012 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



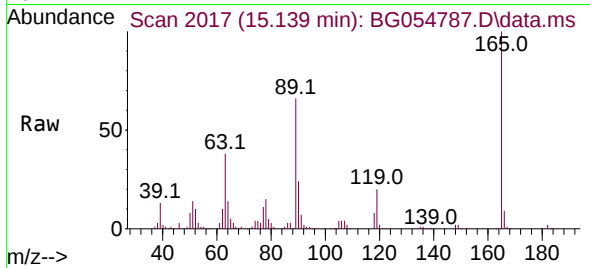
Tgt Ion:139 Resp: 173144  
Ion Ratio Lower Upper  
139 100  
109 72.0 50.5 90.5  
65 94.4 79.9 119.9





#57  
2,4-Dinitrotoluene  
Concen: 48.848 ng  
RT: 15.139 min Scan# 2017  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

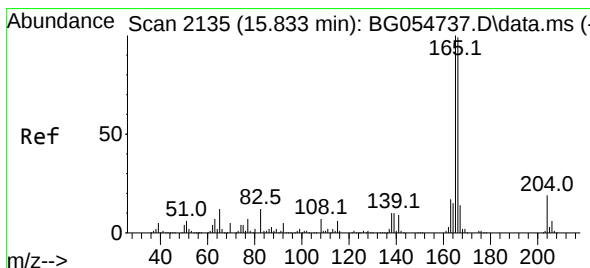
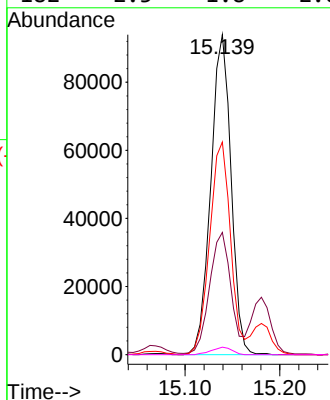
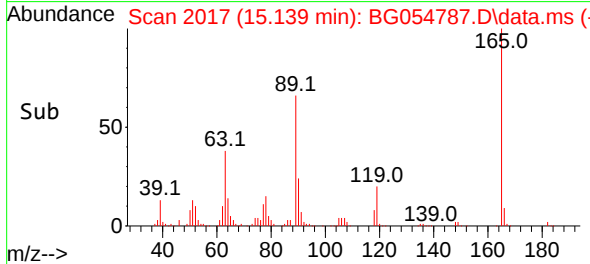
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:165 Resp: 139240  
Ion Ratio Lower Upper  
165 100  
63 38.2 36.8 55.2  
89 66.4 64.3 96.5  
182 2.3 1.8 2.6

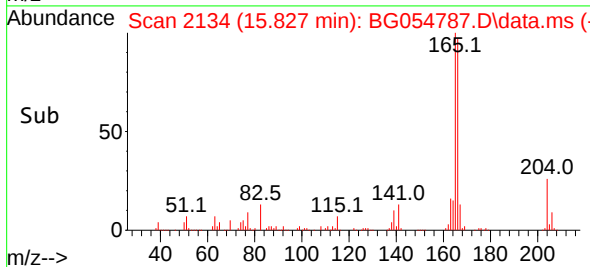
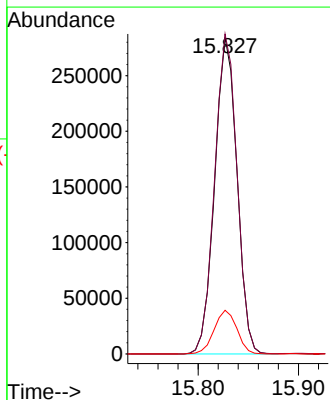
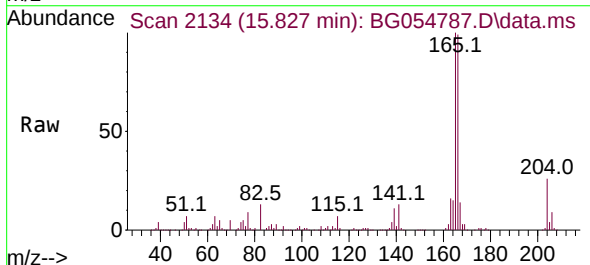
Manual Integrations  
APPROVED

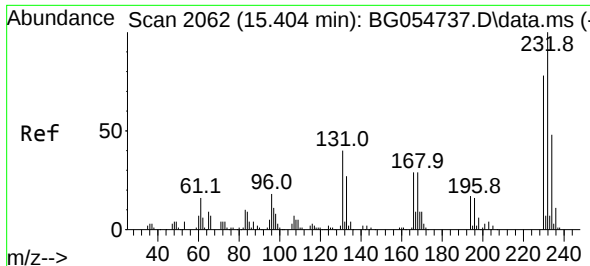
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#58  
Fluorene  
Concen: 45.377 ng  
RT: 15.827 min Scan# 2134  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

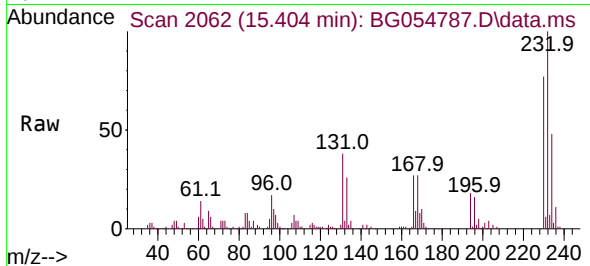
Tgt Ion:166 Resp: 439155  
Ion Ratio Lower Upper  
166 100  
165 101.1 80.8 121.2  
167 13.8 11.4 17.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.454 ng  
RT: 15.404 min Scan# 2062  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

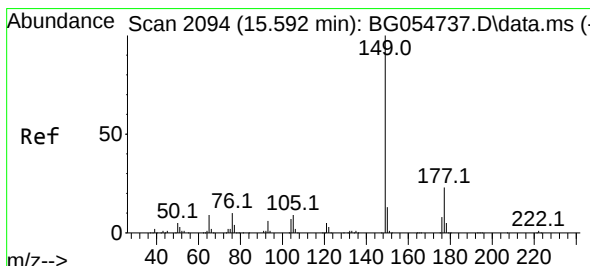
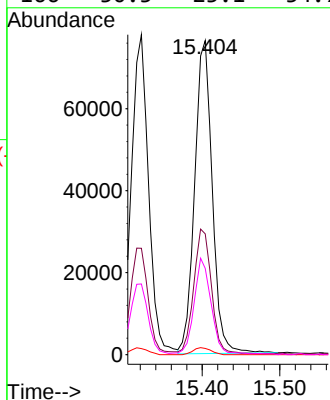
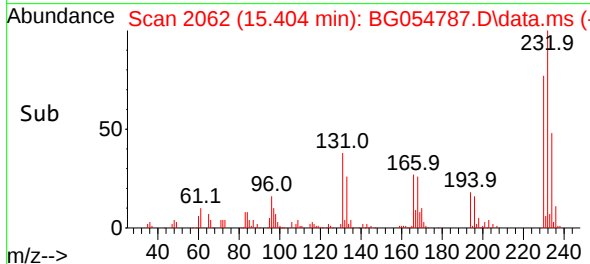
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



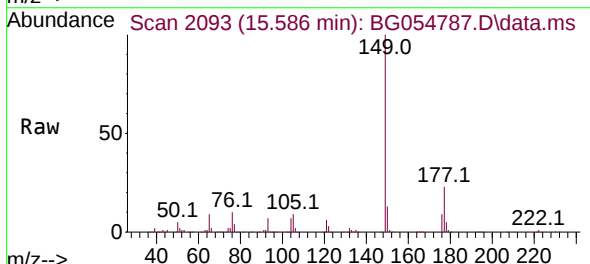
Tgt Ion:232 Resp: 120401  
Ion Ratio Lower Upper  
232 100  
131 40.3 31.3 46.9  
130 2.2 1.8 2.6  
166 30.3 23.1 34.7

Manual Integrations  
APPROVED

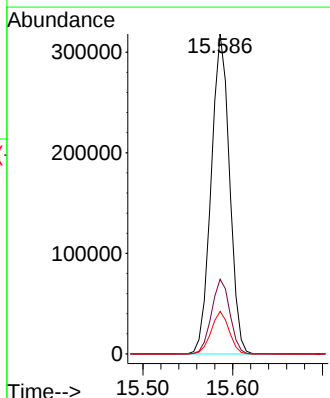
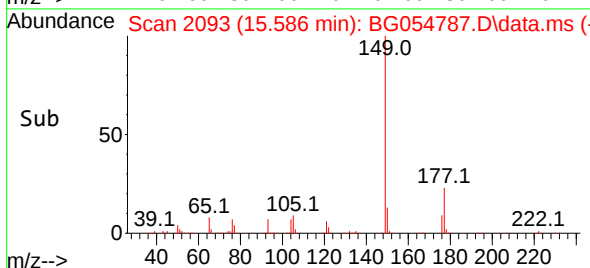
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

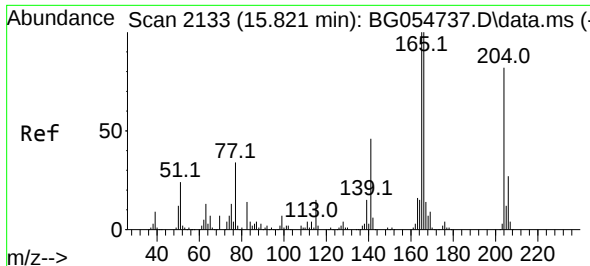


#60  
Diethylphthalate  
Concen: 44.902 ng  
RT: 15.586 min Scan# 2093  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



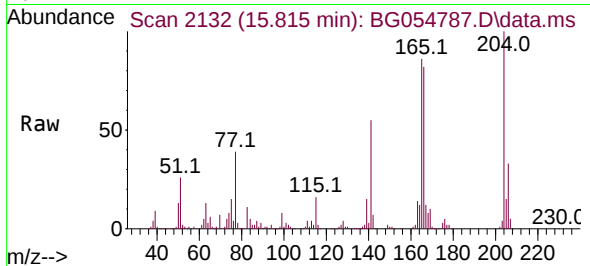
Tgt Ion:149 Resp: 451752  
Ion Ratio Lower Upper  
149 100  
177 23.3 17.8 26.6  
150 13.3 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 48.358 ng  
RT: 15.815 min Scan# 2132  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

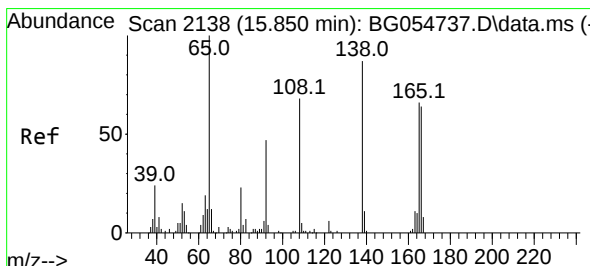
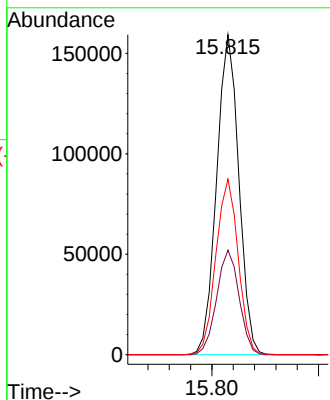
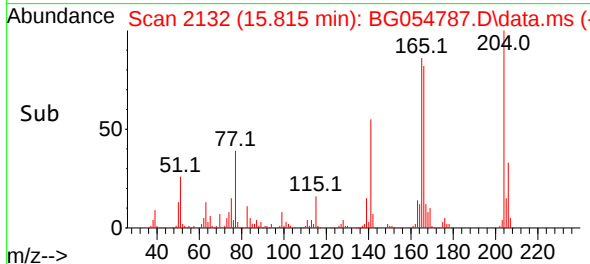
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



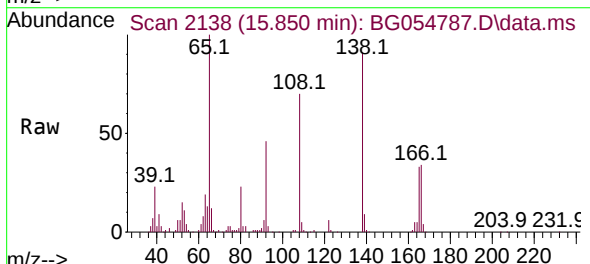
Tgt Ion:204 Resp: 230873  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.6 39.8  
141 54.8 44.9 67.3

Manual Integrations  
APPROVED

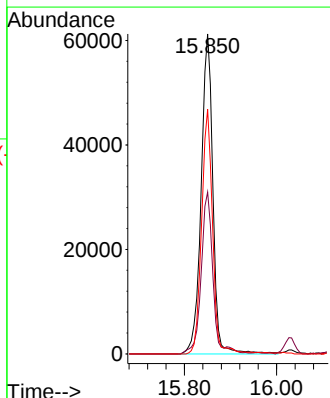
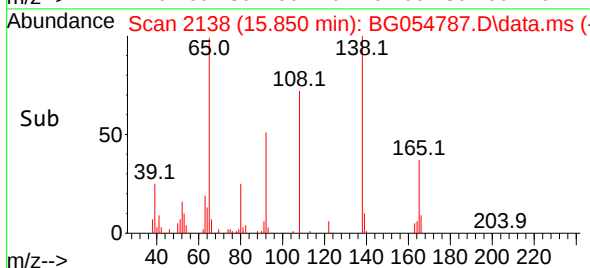
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

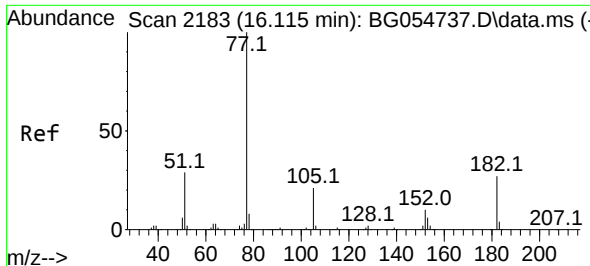


#62  
4-Nitroaniline  
Concen: 45.883 ng  
RT: 15.850 min Scan# 2138  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



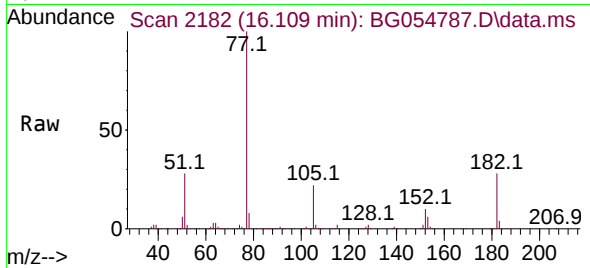
Tgt Ion:138 Resp: 108071  
Ion Ratio Lower Upper  
138 100  
92 50.6 34.7 74.7  
108 76.4 56.2 96.2





#63  
Azobenzene  
Concen: 43.428 ng  
RT: 16.109 min Scan# 2183  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

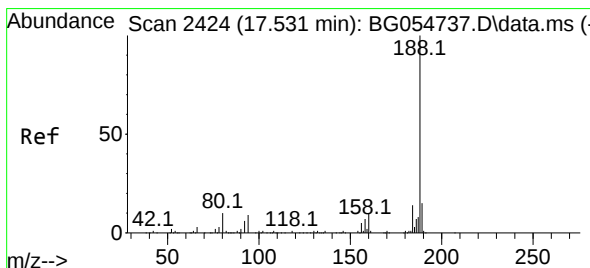
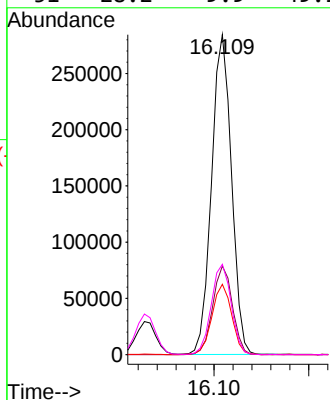
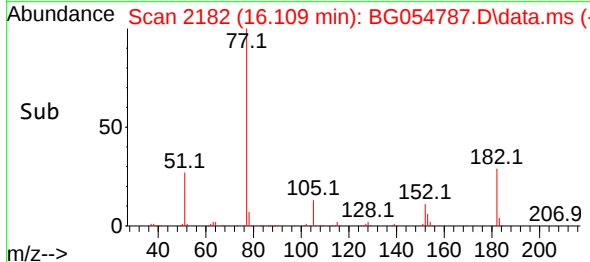
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion: 77 Resp: 415234  
Ion Ratio Lower Upper  
77 100  
182 27.7 5.1 45.1  
105 22.0 0.7 40.7  
51 28.2 9.9 49.9

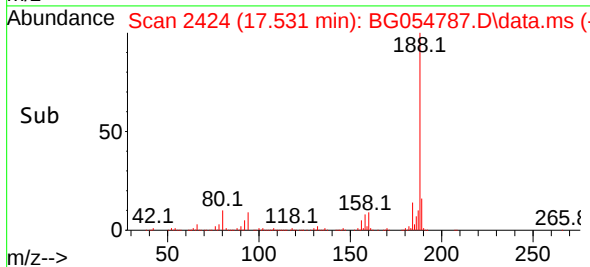
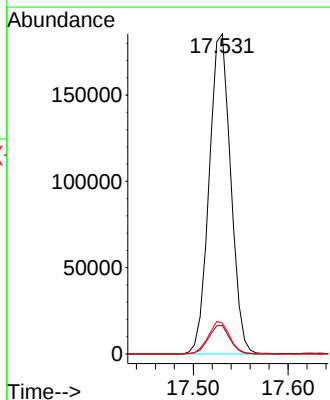
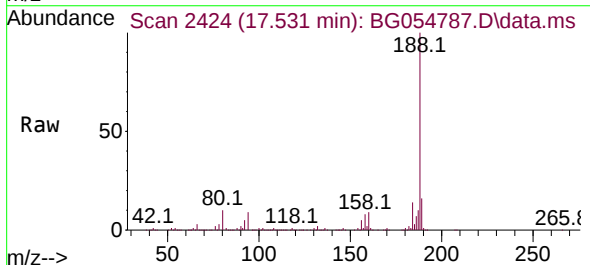
Manual Integrations  
APPROVED

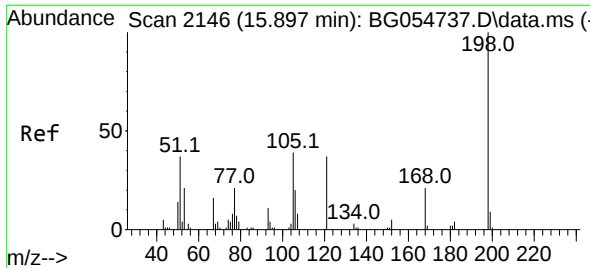
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.531 min Scan# 2424  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Tgt Ion:188 Resp: 293269  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.0 10.4  
80 9.6 7.9 11.9





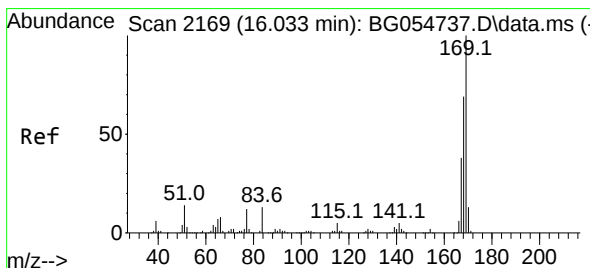
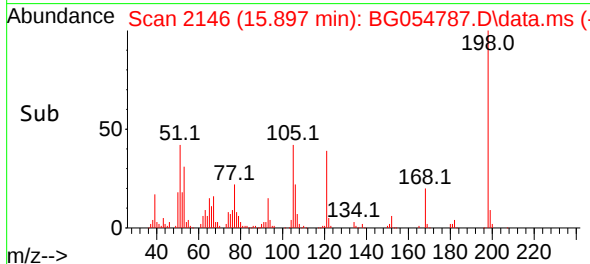
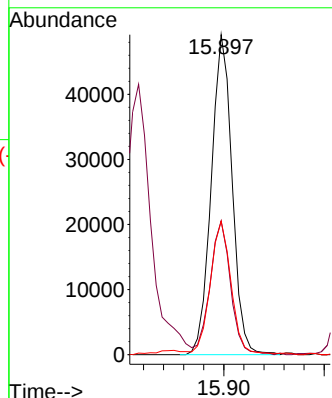
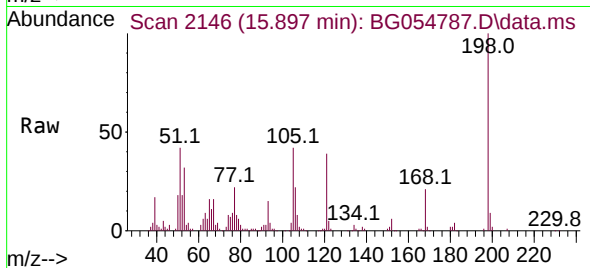
#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.657 ng  
RT: 15.897 min Scan# 2146  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS

Tgt Ion:198 Resp: 71143  
Ion Ratio Lower Upper  
198 100  
51 41.8 19.9 59.9  
105 41.7 20.3 60.3

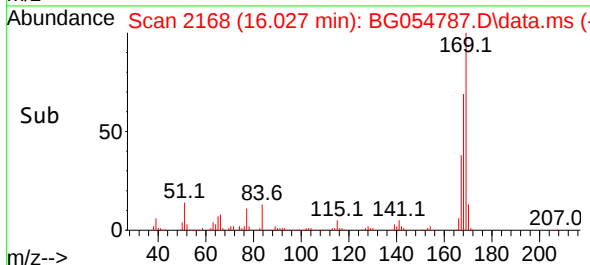
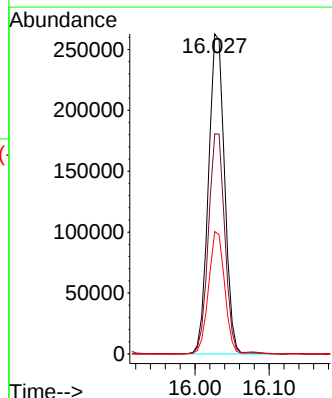
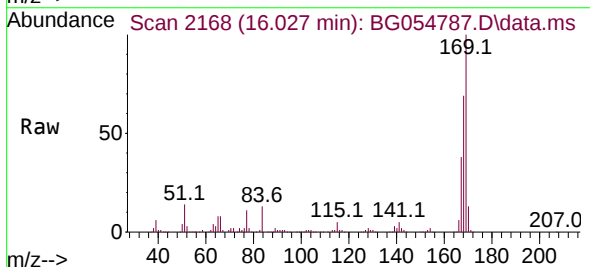
Manual Integrations  
APPROVED

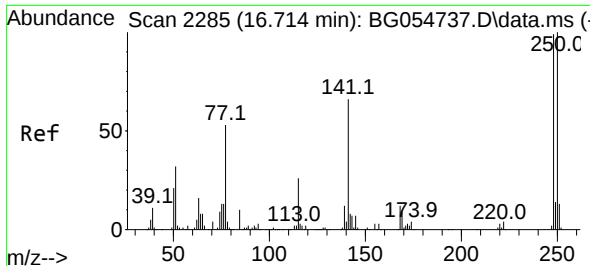
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#66  
n-Nitrosodiphenylamine  
Concen: 46.755 ng  
RT: 16.027 min Scan# 2168  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

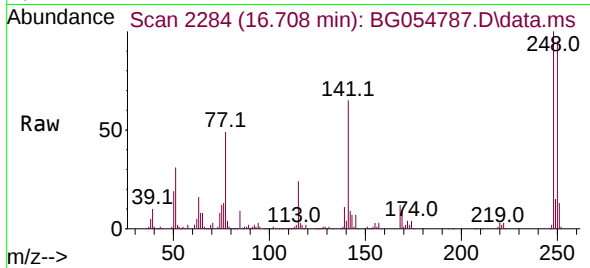
Tgt Ion:169 Resp: 395428  
Ion Ratio Lower Upper  
169 100  
168 68.7 55.6 83.4  
167 38.2 30.9 46.3





#67  
4-Bromophenyl-phenylether  
Concen: 49.370 ng  
RT: 16.708 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

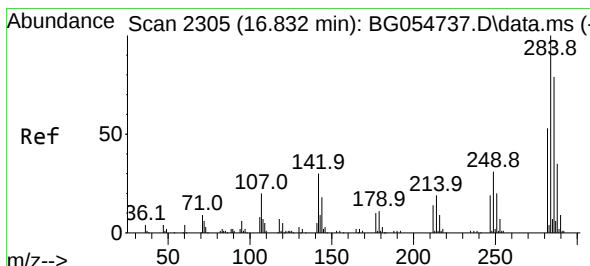
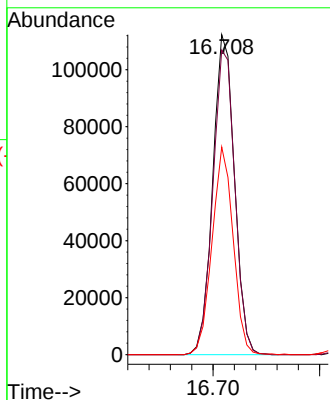
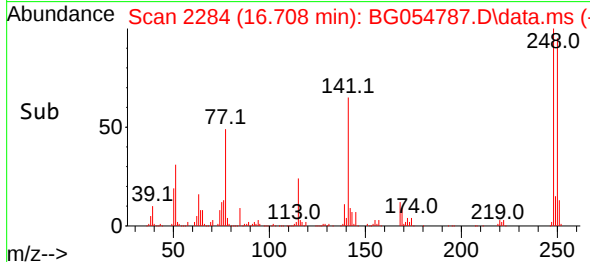
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



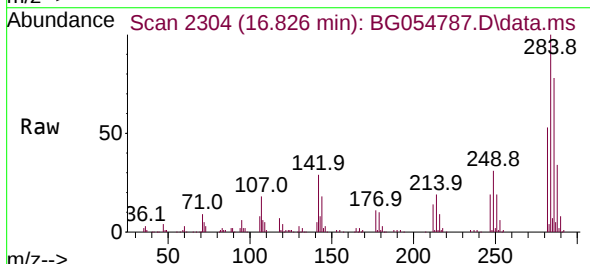
Tgt Ion:248 Resp: 158964  
Ion Ratio Lower Upper  
248 100  
250 95.2 78.8 118.2  
141 64.9 51.9 77.9

Manual Integrations  
APPROVED

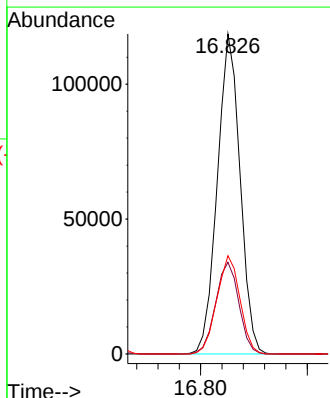
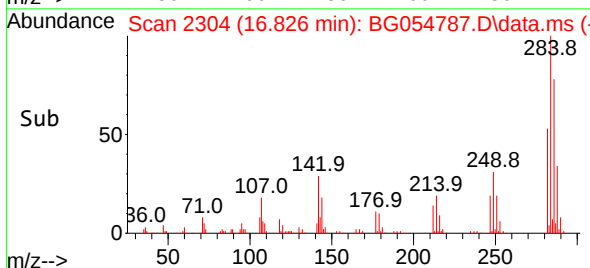
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

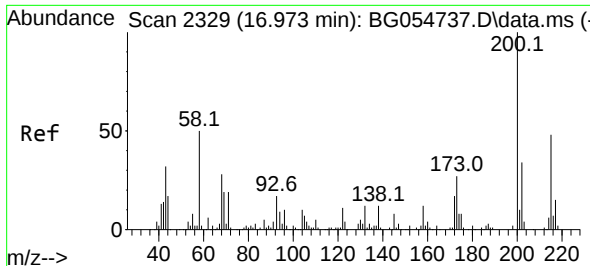


#68  
Hexachlorobenzene  
Concen: 48.609 ng  
RT: 16.826 min Scan# 2304  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



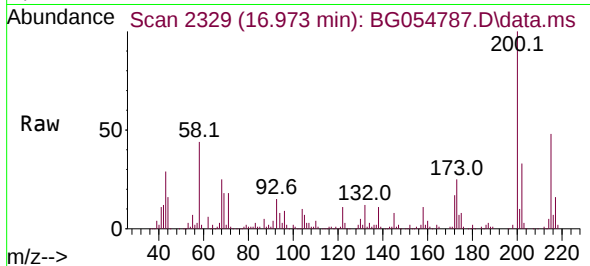
Tgt Ion:284 Resp: 175949  
Ion Ratio Lower Upper  
284 100  
142 28.6 25.0 37.6  
249 30.7 24.5 36.7





#69  
 Atrazine  
 Concen: 51.236 ng  
 RT: 16.973 min Scan# 2329  
 Delta R.T. -0.000 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05

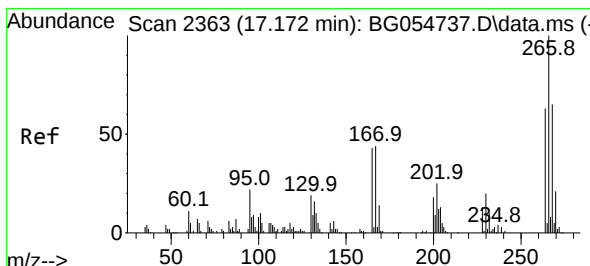
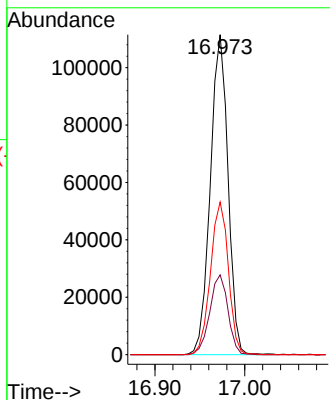
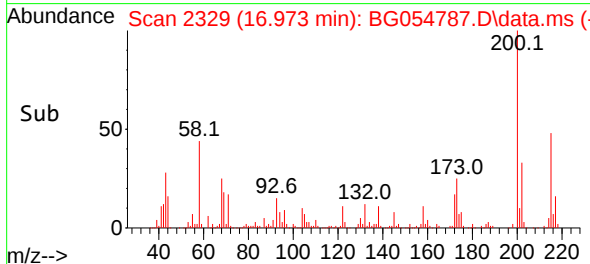
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROCK-FINES-QA/QC-COMPMS



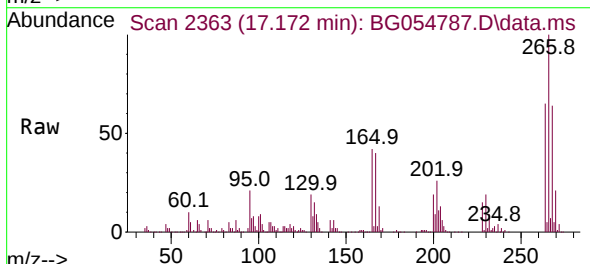
Tgt Ion:200 Resp: 15287  
 Ion Ratio Lower Upper  
 200 100  
 173 24.9 5.6 45.6  
 215 47.7 28.2 68.2

Manual Integrations  
 APPROVED

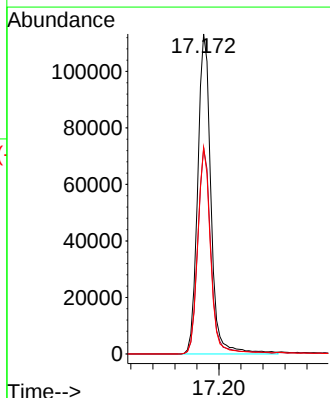
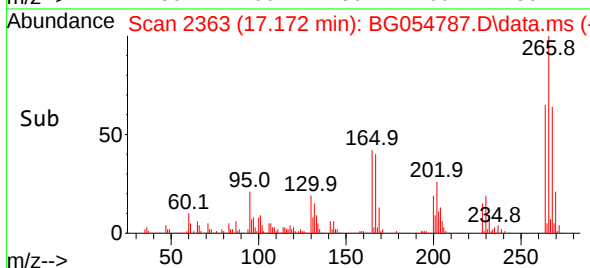
Reviewed By :Christian Giraldo 08/31/2022  
 Supervised By :Jagrut Upadhyay 08/31/2022

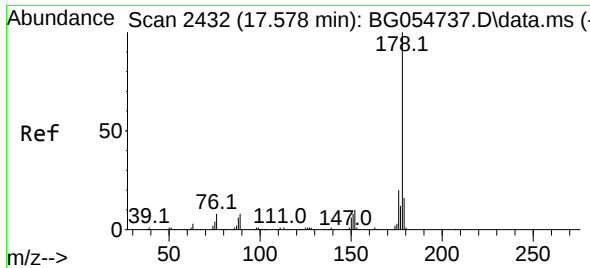


#70  
 Pentachlorophenol  
 Concen: 95.845 ng  
 RT: 17.172 min Scan# 2363  
 Delta R.T. -0.000 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05



Tgt Ion:266 Resp: 188496  
 Ion Ratio Lower Upper  
 266 100  
 268 64.3 51.2 76.8  
 264 64.5 49.4 74.0





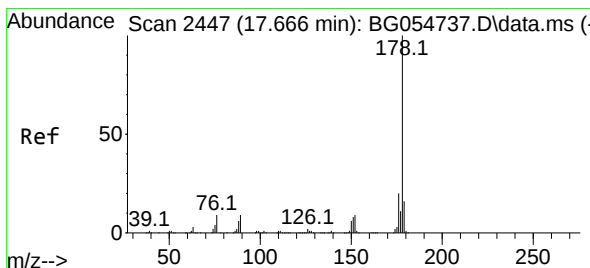
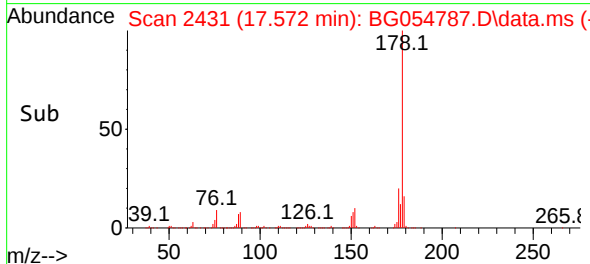
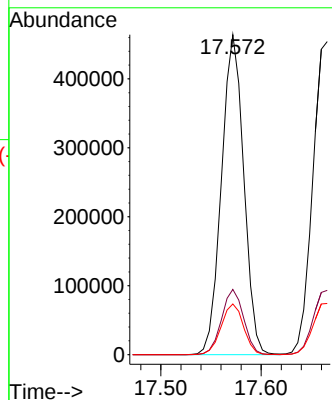
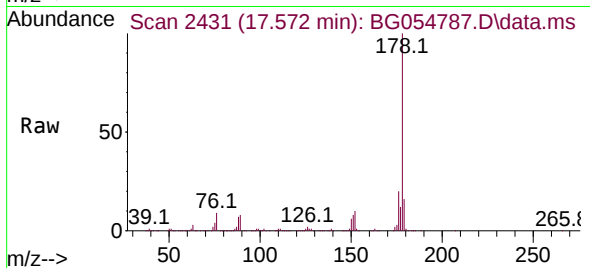
#71  
Phenanthrene  
Concen: 45.846 ng  
RT: 17.572 min Scan# 2432  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS

Tgt Ion:178 Resp: 716242  
Ion Ratio Lower Upper  
178 100  
176 20.4 16.6 25.0  
179 15.8 12.8 19.2

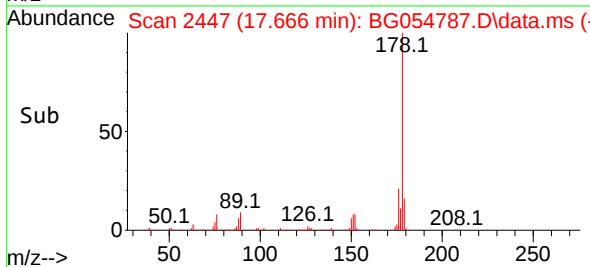
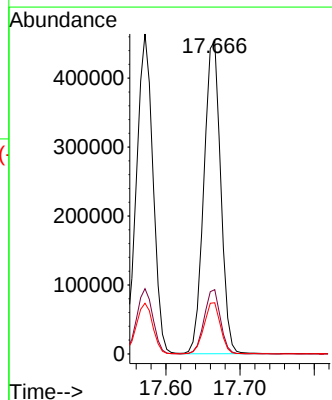
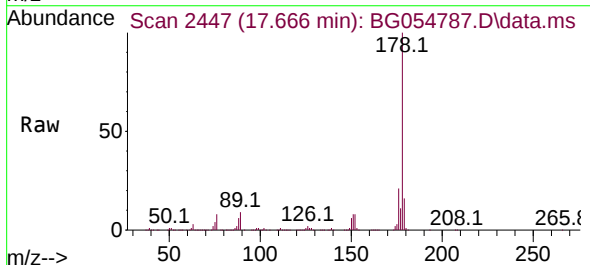
Manual Integrations  
APPROVED

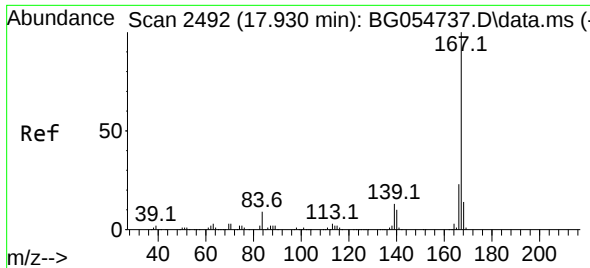
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#72  
Anthracene  
Concen: 46.939 ng  
RT: 17.666 min Scan# 2447  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

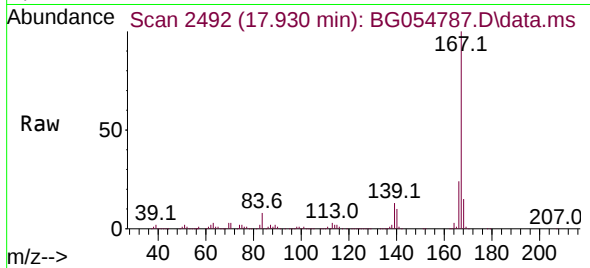
Tgt Ion:178 Resp: 712948  
Ion Ratio Lower Upper  
178 100  
176 20.5 16.2 24.4  
179 16.3 12.9 19.3





#73  
 Carbazole  
 Concen: 47.060 ng  
 RT: 17.930 min Scan# 2492  
 Delta R.T. -0.000 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05

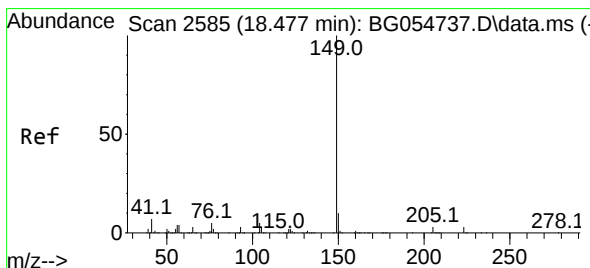
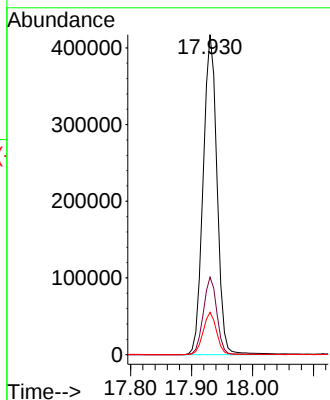
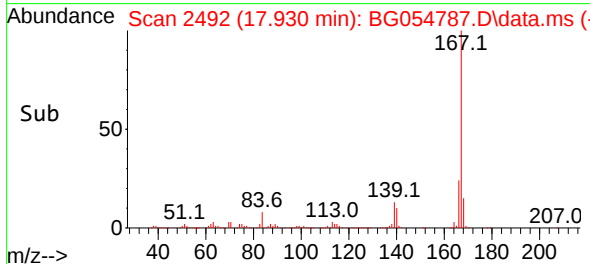
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROCK-FINES-QA/QC-COMPMS



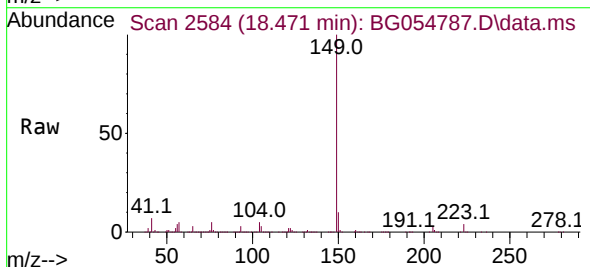
Tgt Ion:167 Resp: 658564  
 Ion Ratio Lower Upper  
 167 100  
 166 24.2 18.8 28.2  
 139 13.2 10.2 15.4

Manual Integrations  
 APPROVED

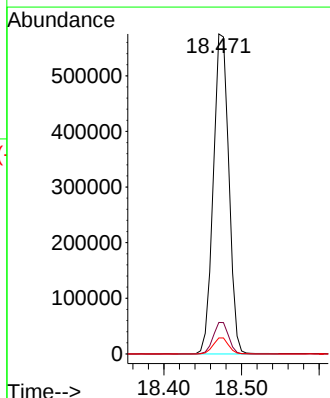
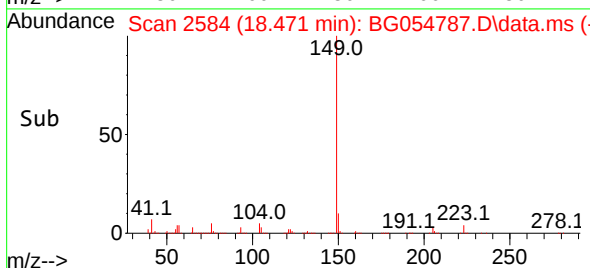
Reviewed By :Christian Giraldo 08/31/2022  
 Supervised By :Jagrut Upadhyay 08/31/2022

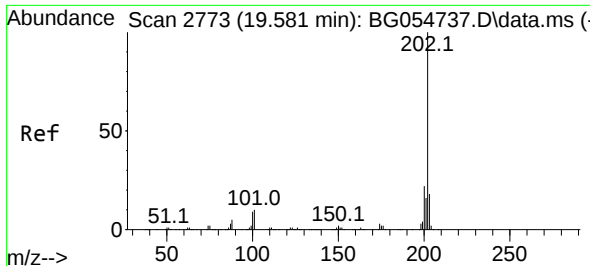


#74  
 Di-n-butylphthalate  
 Concen: 45.175 ng  
 RT: 18.471 min Scan# 2584  
 Delta R.T. -0.006 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05



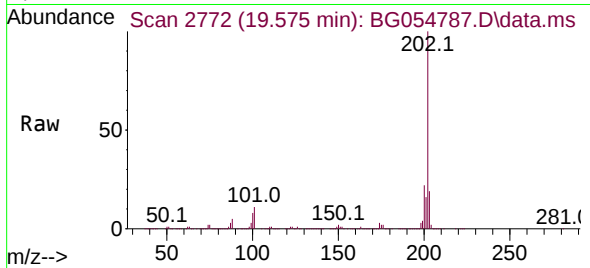
Tgt Ion:149 Resp: 799965  
 Ion Ratio Lower Upper  
 149 100  
 150 9.8 8.0 12.0  
 104 5.0 4.4 6.6





#75  
Fluoranthene  
Concen: 45.632 ng  
RT: 19.575 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

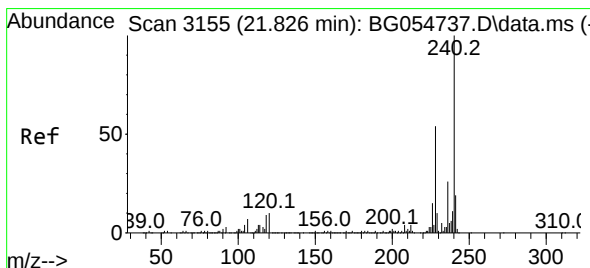
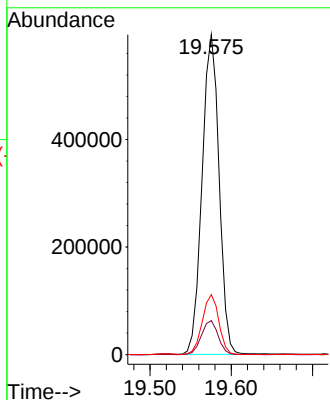
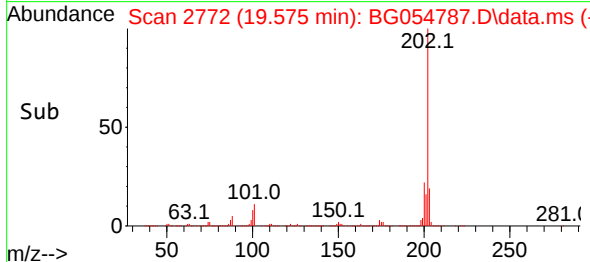
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



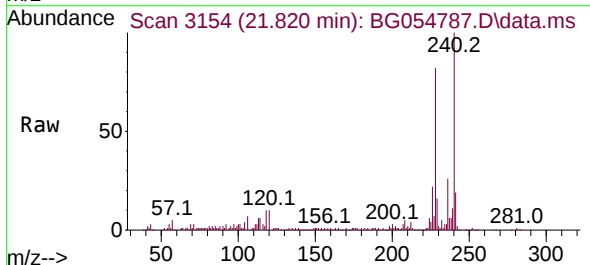
Tgt Ion:202 Resp: 867231  
Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 31.4  
203 18.7 0.0 38.6

Manual Integrations  
APPROVED

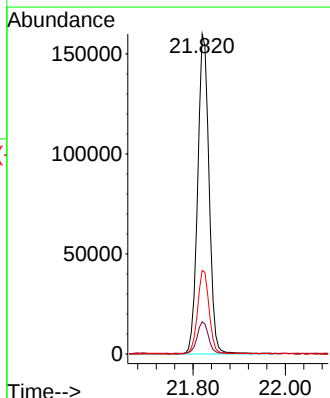
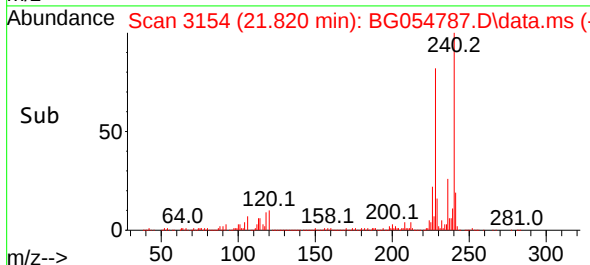
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

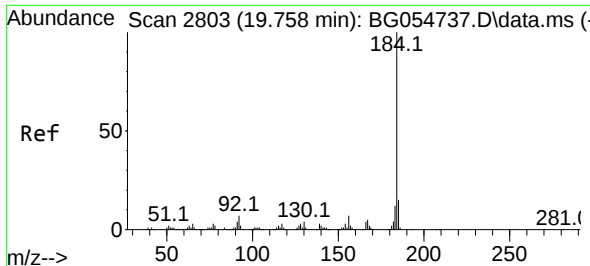


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.820 min Scan# 3154  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



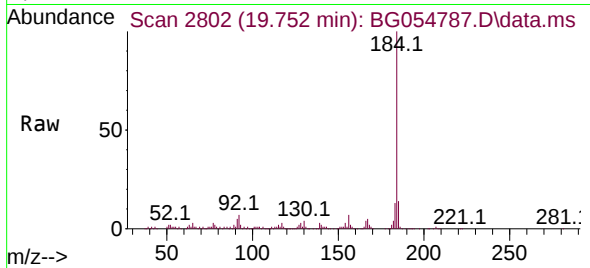
Tgt Ion:240 Resp: 271935  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.2 12.4  
236 26.1 21.2 31.8





#77  
Benzidine  
Concen: 59.113 ng  
RT: 19.752 min Scan# 2802  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

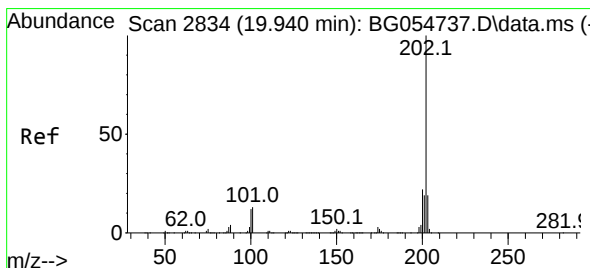
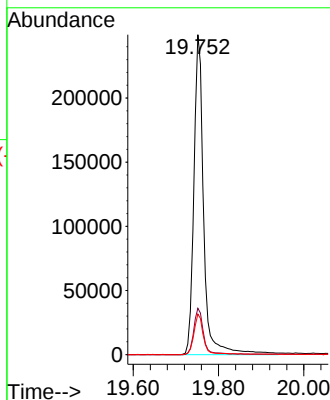
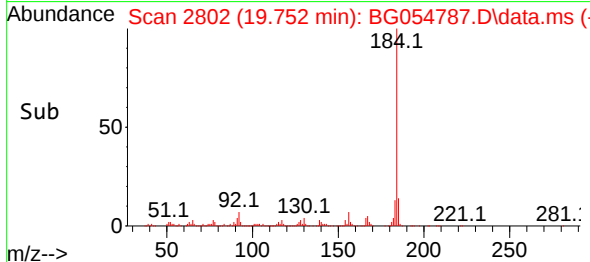
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



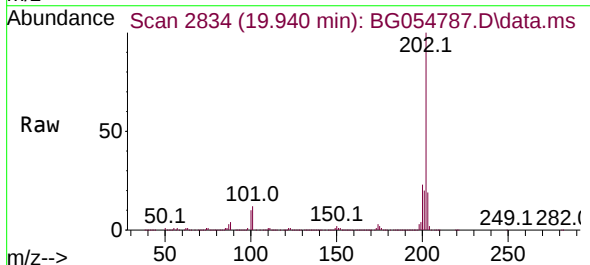
Tgt Ion:184 Resp: 398152  
Ion Ratio Lower Upper  
184 100  
185 14.5 11.4 17.0  
183 12.7 9.8 14.8

Manual Integrations  
APPROVED

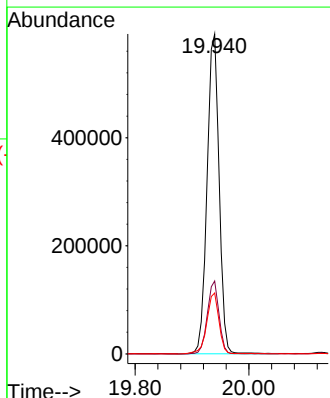
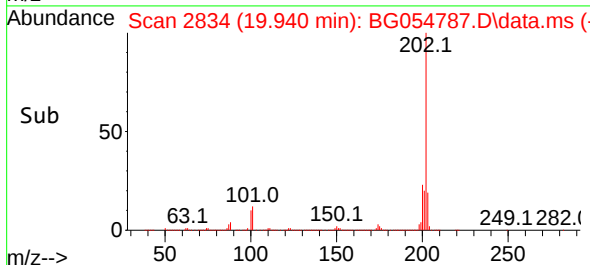
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

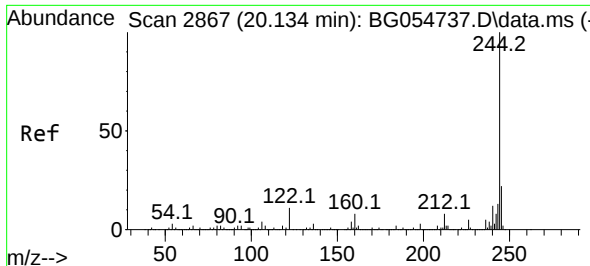


#78  
Pyrene  
Concen: 45.962 ng  
RT: 19.940 min Scan# 2834  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



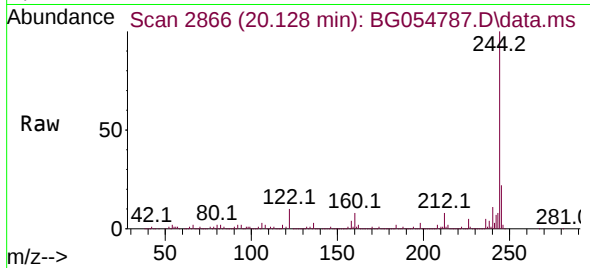
Tgt Ion:202 Resp: 871518  
Ion Ratio Lower Upper  
202 100  
200 22.8 17.8 26.6  
203 19.0 14.6 21.8





#79  
 Terphenyl-d14  
 Concen: 77.591 ng  
 RT: 20.128 min Scan# 2866  
 Delta R.T. -0.006 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05

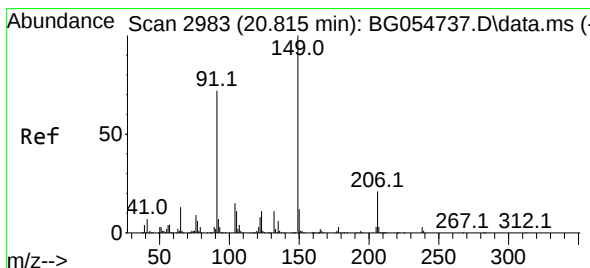
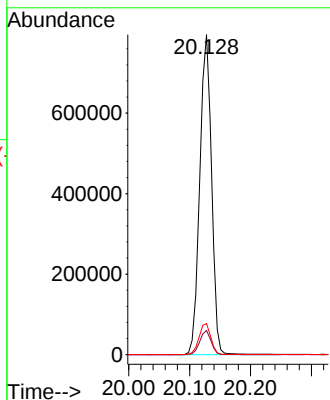
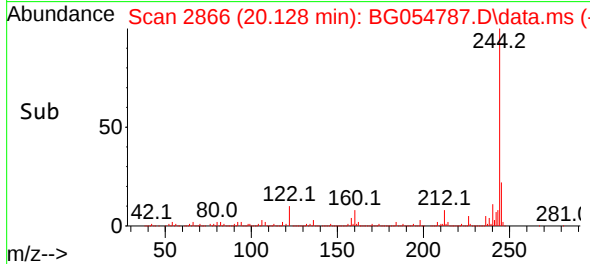
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROCK-FINES-QA/QC-COMPMS



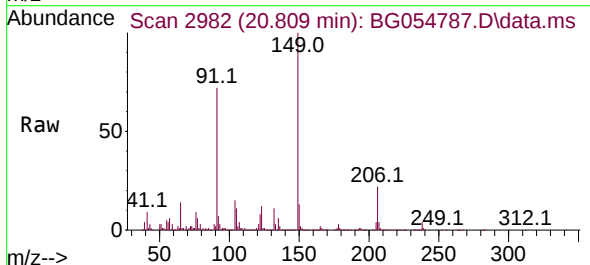
Tgt Ion:244 Resp: 106489  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.2 9.2  
 122 9.7 9.0 13.6

Manual Integrations  
 APPROVED

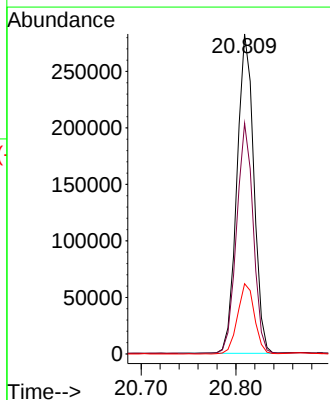
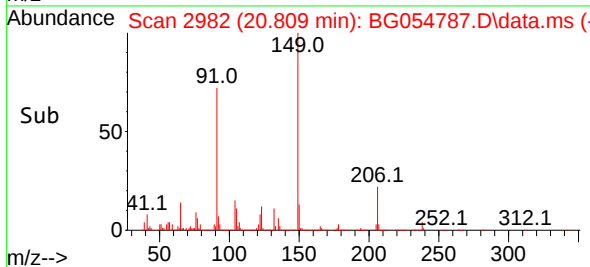
Reviewed By :Christian Giraldo 08/31/2022  
 Supervised By :Jagrut Upadhyay 08/31/2022

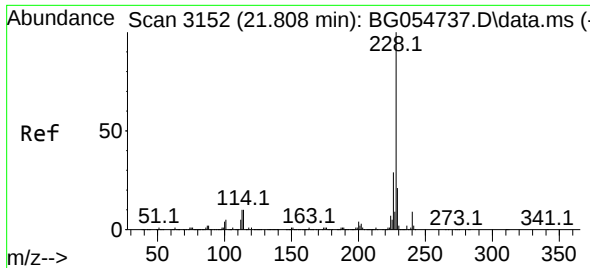


#80  
 Butylbenzylphthalate  
 Concen: 44.260 ng  
 RT: 20.809 min Scan# 2982  
 Delta R.T. -0.006 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05



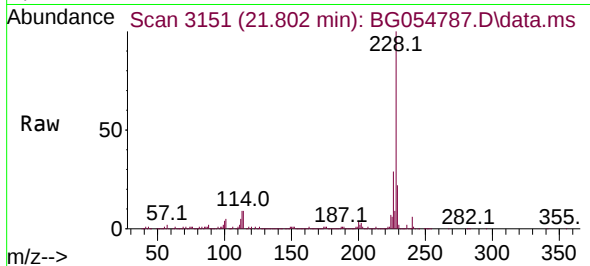
Tgt Ion:149 Resp: 350063  
 Ion Ratio Lower Upper  
 149 100  
 91 72.1 59.5 89.3  
 206 21.9 16.6 25.0





#81  
Benzo(a)anthracene  
Concen: 45.863 ng  
RT: 21.802 min Scan# 3152  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

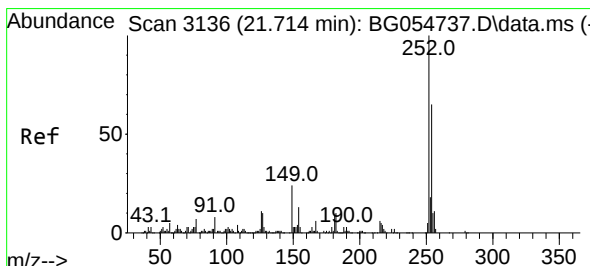
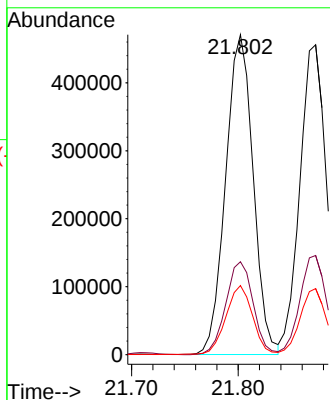
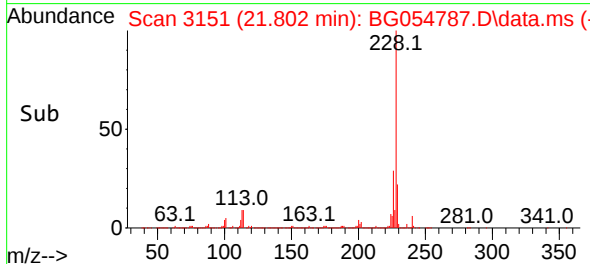
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:228 Resp: 845620  
Ion Ratio Lower Upper  
228 100  
226 29.0 23.4 35.2  
229 21.6 16.5 24.7

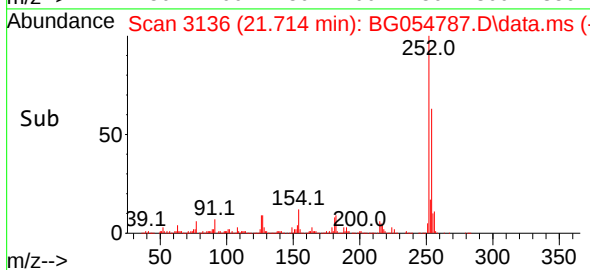
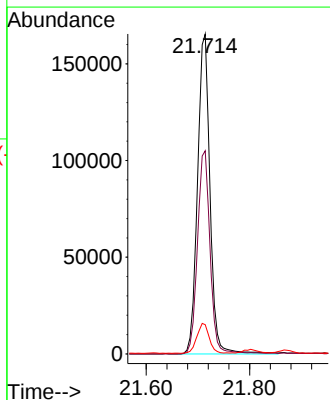
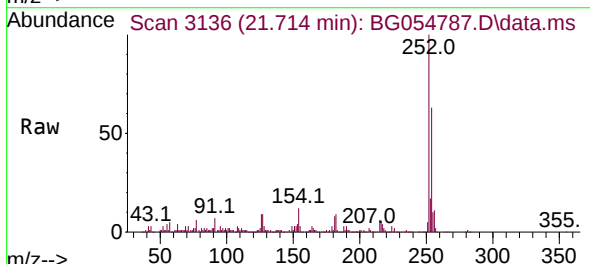
Manual Integrations  
APPROVED

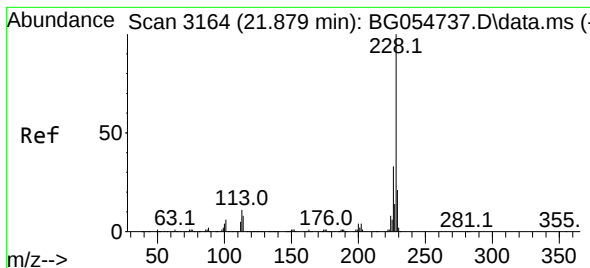
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#82  
3,3'-Dichlorobenzidine  
Concen: 42.823 ng  
RT: 21.714 min Scan# 3136  
Delta R.T. -0.000 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Tgt Ion:252 Resp: 276827  
Ion Ratio Lower Upper  
252 100  
254 63.5 51.4 77.2  
126 9.1 8.2 12.2





#83

Chrysene

Concen: 44.966 ng

RT: 21.873 min Scan# 3163

Delta R.T. -0.006 min

Lab File: BG054787.D

Acq: 30 Aug 2022 13:05

Instrument :

BNA\_G

ClientSampleId :

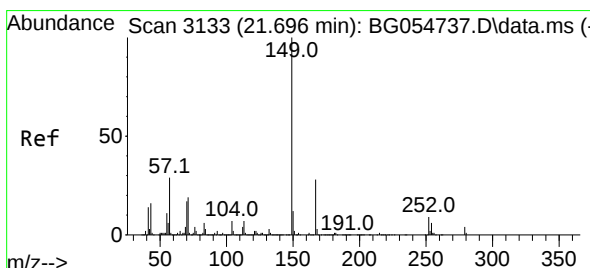
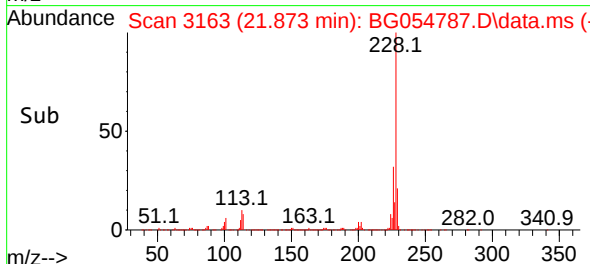
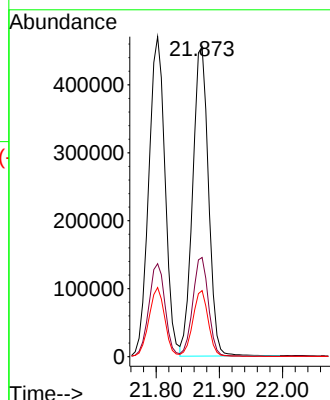
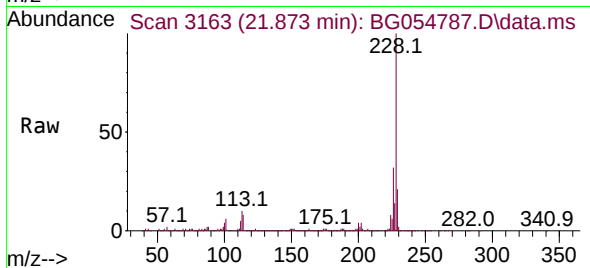
ROCK-FINES-QA/QC-COMPMS

Tgt Ion:228 Resp: 792721  
 Ion Ratio Lower Upper  
 228 100  
 226 32.0 25.5 38.3  
 229 21.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/31/2022  
 Supervised By :Jagrut Upadhyay 08/31/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.646 ng

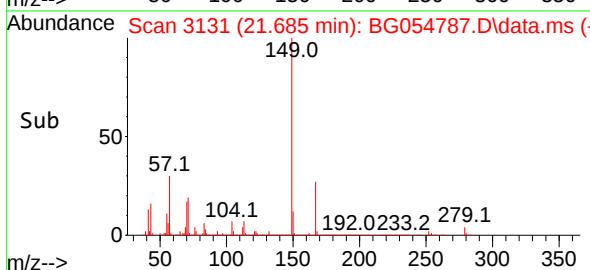
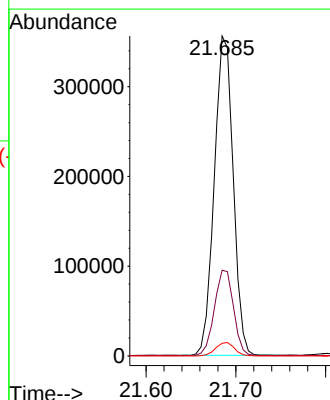
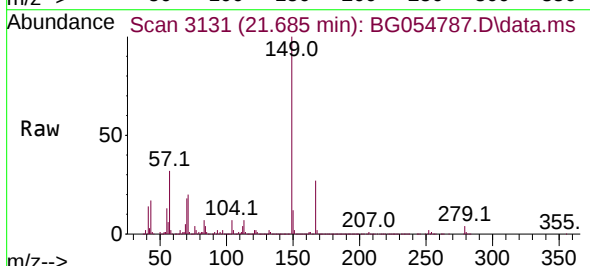
RT: 21.685 min Scan# 3131

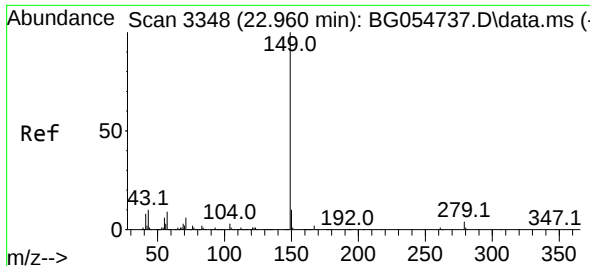
Delta R.T. -0.012 min

Lab File: BG054787.D

Acq: 30 Aug 2022 13:05

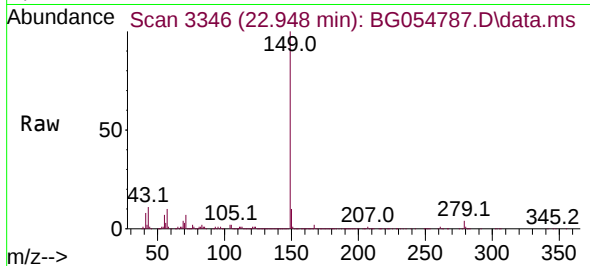
Tgt Ion:149 Resp: 520153  
 Ion Ratio Lower Upper  
 149 100  
 167 26.8 21.4 32.0  
 279 3.9 3.1 4.7





#85  
Di-n-octyl phthalate  
Concen: 44.701 ng  
RT: 22.948 min Scan# 3348  
Delta R.T. -0.012 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

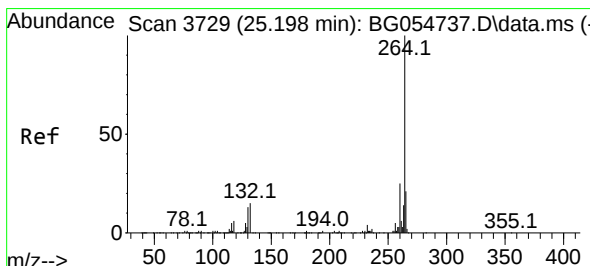
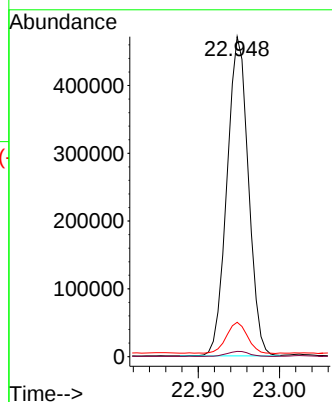
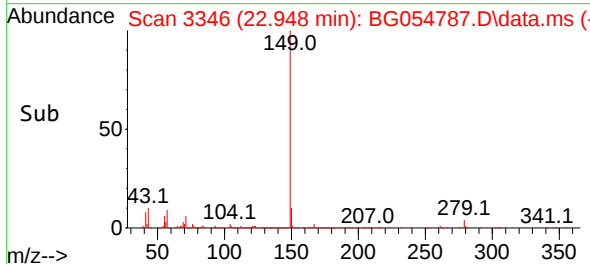
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



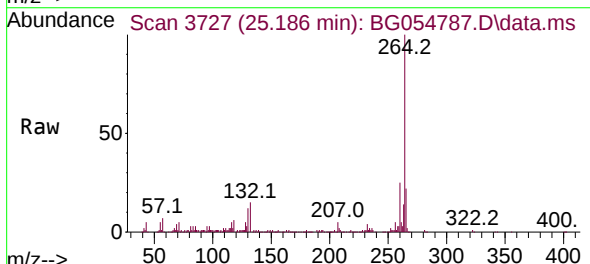
Tgt Ion:149 Resp: 863845  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 9.6 9.0 13.6

Manual Integrations  
APPROVED

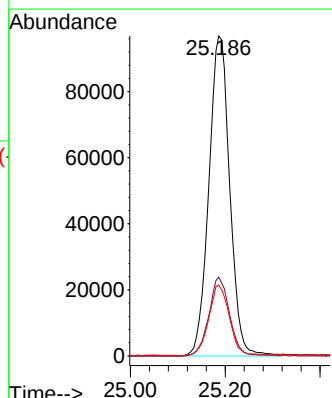
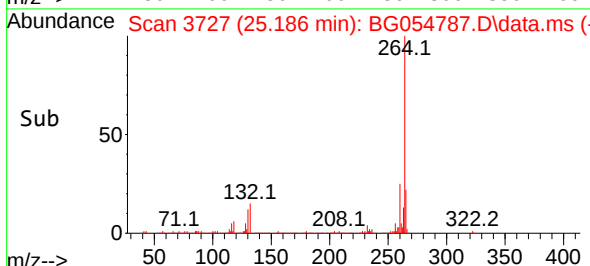
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022

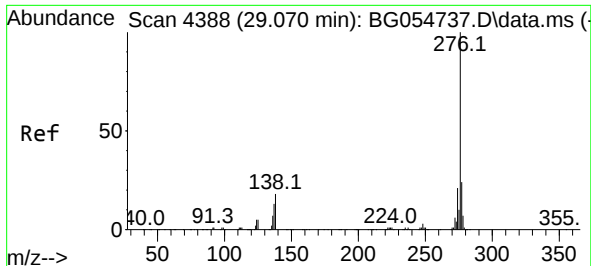


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.186 min Scan# 3727  
Delta R.T. -0.012 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05



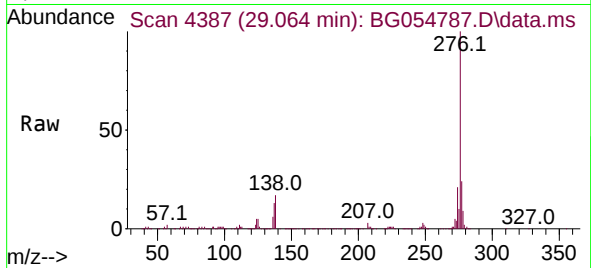
Tgt Ion:264 Resp: 296150  
Ion Ratio Lower Upper  
264 100  
260 24.6 19.9 29.9  
265 22.1 16.9 25.3





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 45.115 ng  
 RT: 29.064 min Scan# 4388  
 Delta R.T. -0.006 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05

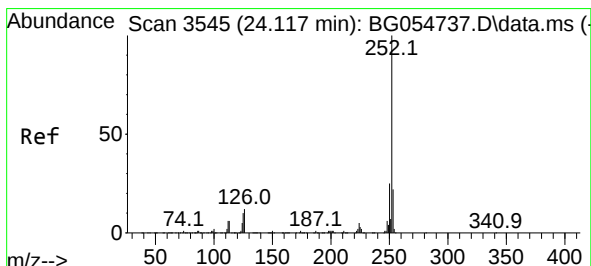
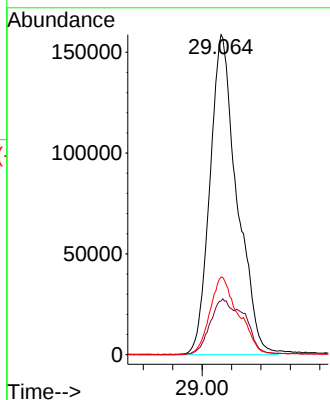
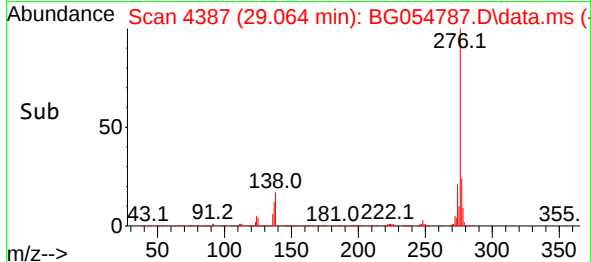
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROCK-FINES-QA/QC-COMPMS



Tgt Ion:276 Resp: 1014306  
 Ion Ratio Lower Upper  
 276 100  
 138 14.2 12.0 18.0  
 277 25.7 20.2 30.4

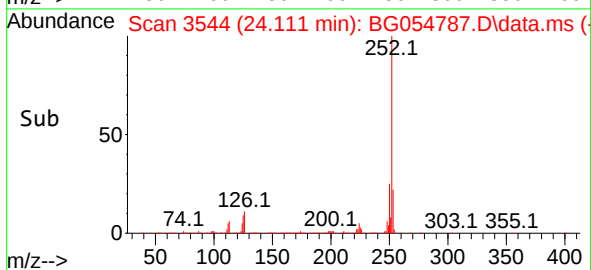
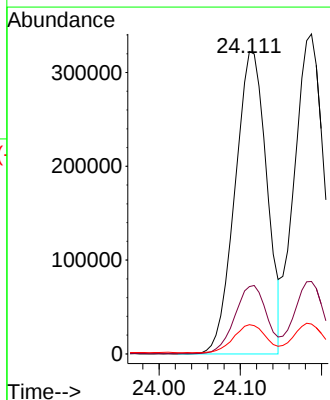
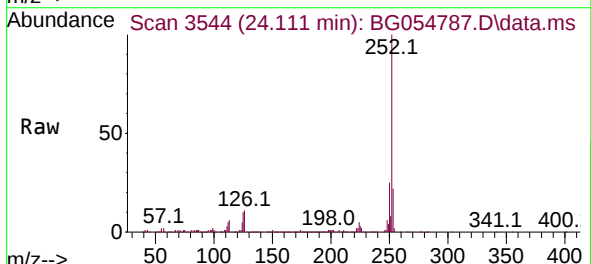
Manual Integrations  
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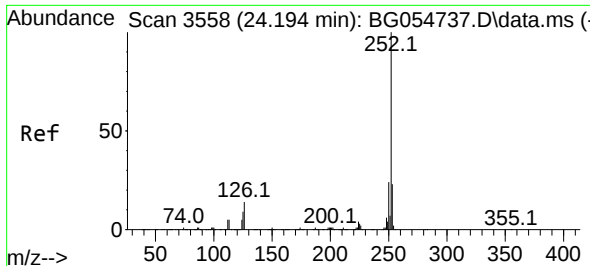
Reviewed By :Christian Giraldo 08/31/2022  
 Supervised By :Jagrut Upadhyay 08/31/2022



#88  
 Benzo(b)fluoranthene  
 Concen: 47.148 ng  
 RT: 24.111 min Scan# 3544  
 Delta R.T. -0.006 min  
 Lab File: BG054787.D  
 Acq: 30 Aug 2022 13:05

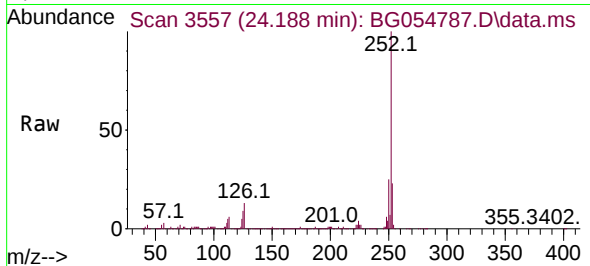
Tgt Ion:252 Resp: 875903  
 Ion Ratio Lower Upper  
 252 100  
 253 22.3 18.0 27.0  
 125 9.7 8.1 12.1





#89  
Benzo(k)fluoranthene  
Concen: 46.788 ng  
RT: 24.188 min Scan# 3558  
Delta R.T. -0.006 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

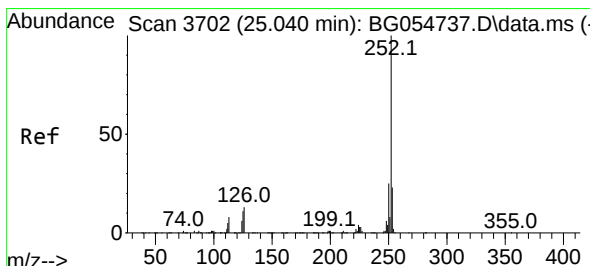
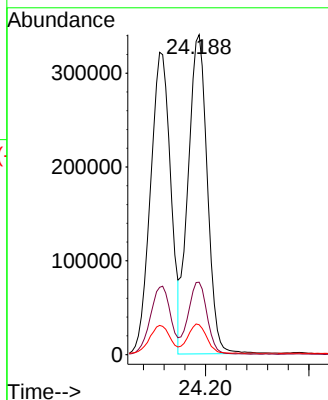
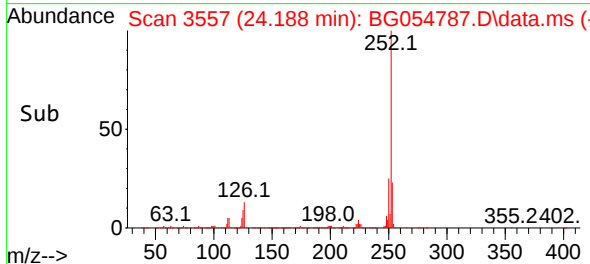
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:252 Resp: 874791  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.8 26.8  
125 9.3 8.2 12.4

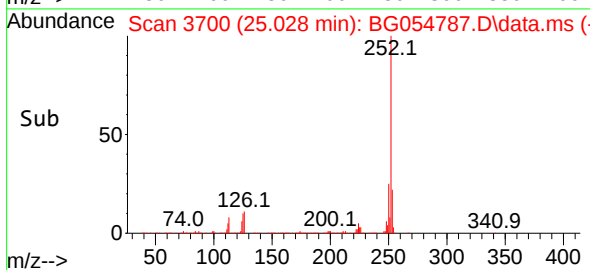
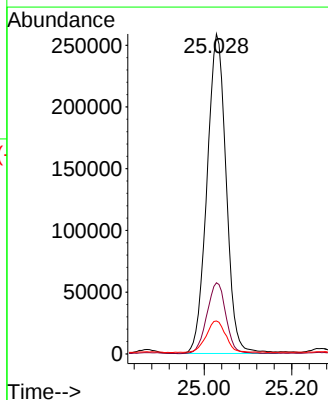
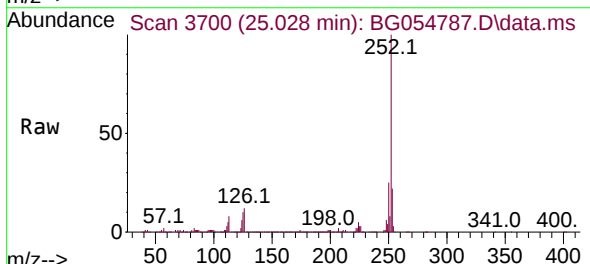
Manual Integrations  
APPROVED

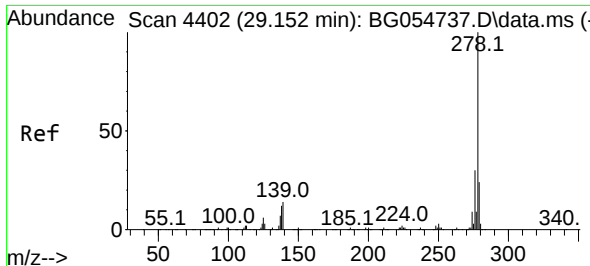
Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#90  
Benzo(a)pyrene  
Concen: 49.696 ng  
RT: 25.028 min Scan# 3700  
Delta R.T. -0.012 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

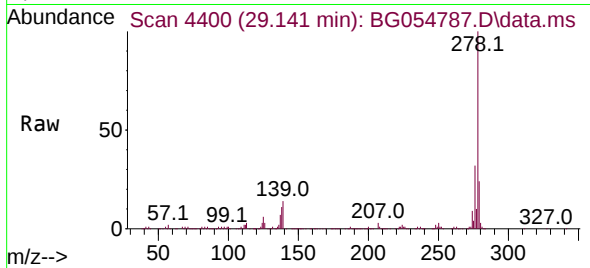
Tgt Ion:252 Resp: 788777  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.3 27.5  
125 10.3 8.8 13.2





#91  
Dibenzo(a,h)anthracene  
Concen: 47.102 ng  
RT: 29.141 min Scan# 4402  
Delta R.T. -0.012 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

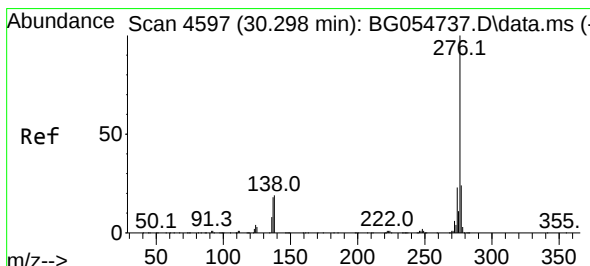
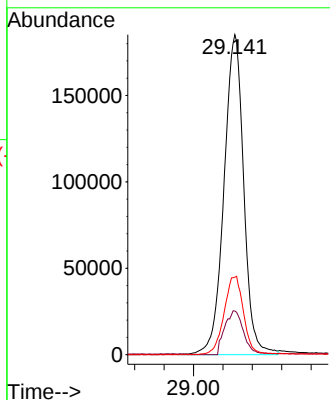
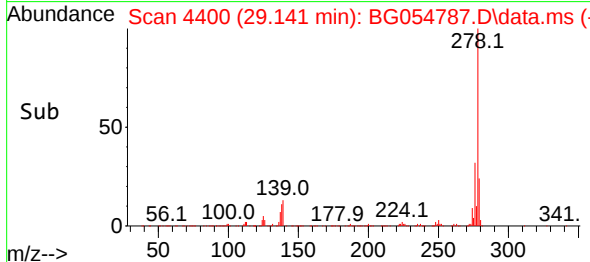
Instrument :  
BNA\_G  
ClientSampleId :  
ROCK-FINES-QA/QC-COMPMS



Tgt Ion:278 Resp: 862752  
Ion Ratio Lower Upper  
278 100  
139 13.6 11.4 17.2  
279 24.2 19.3 28.9

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 08/31/2022  
Supervised By :Jagrut Upadhyay 08/31/2022



#92  
Benzo(g,h,i)perylene  
Concen: 47.500 ng  
RT: 30.286 min Scan# 4595  
Delta R.T. -0.012 min  
Lab File: BG054787.D  
Acq: 30 Aug 2022 13:05

Tgt Ion:276 Resp: 878943  
Ion Ratio Lower Upper  
276 100  
277 24.1 19.4 29.0  
138 18.8 16.6 25.0

