

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120420\  
 Data File : BG047605.D  
 Acq On : 5 Dec 2020 14:33  
 Operator : CG/JU  
 Sample : L4859-02  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B26

Quant Time: Dec 07 05:08:24 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 07 05:06:33 2020  
 Response via : Initial Calibration

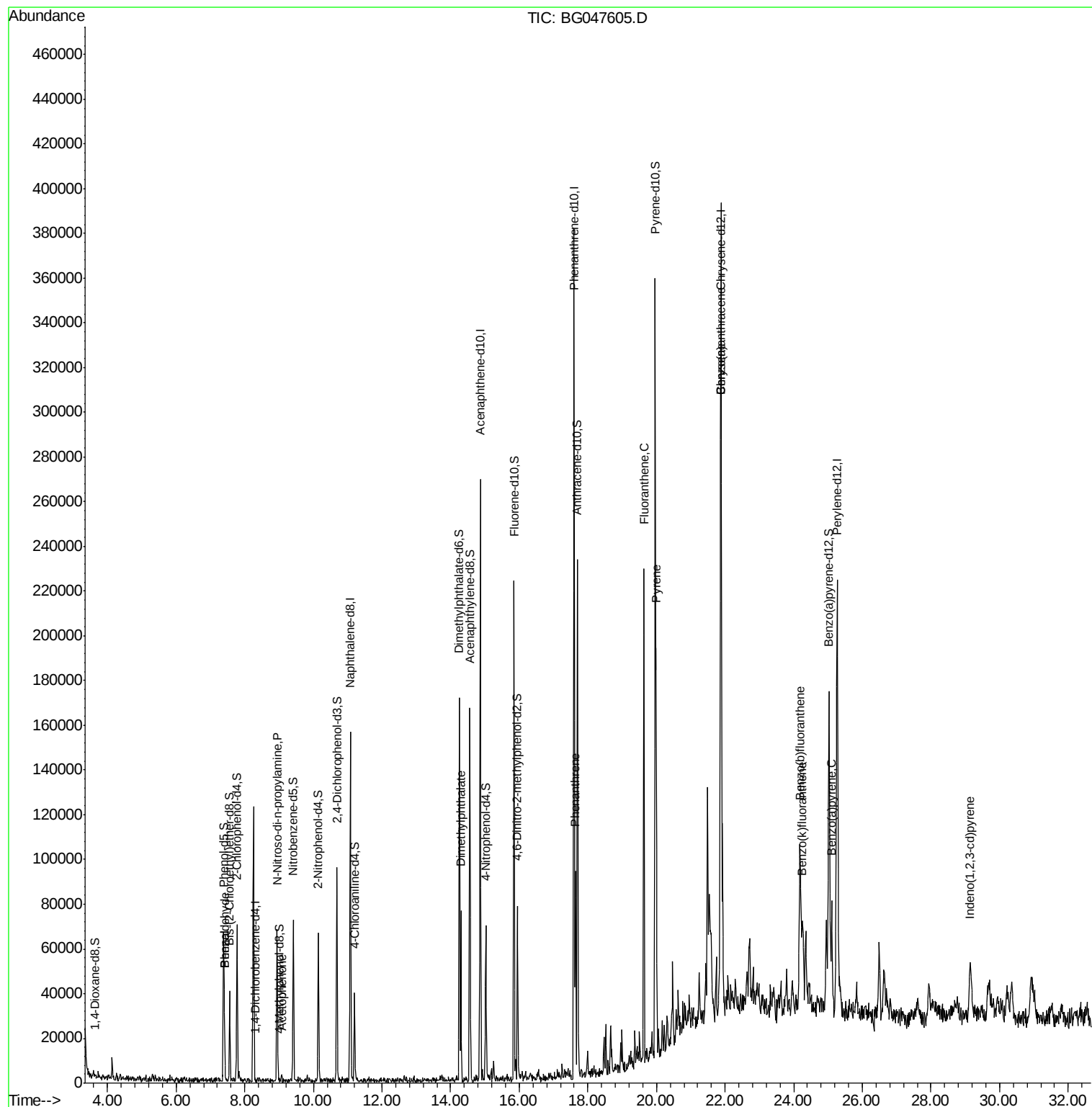
| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.29  | 152  | 68       | 20.00    | ng/ul  | 0.02     |
| 18) Naphthalene-d8             | 11.08 | 136  | 121488   | 20.00    | ng/ul  | -0.02    |
| 36) Acenaphthene-d10           | 14.86 | 164  | 95078    | 20.00    | ng/ul  | -0.02    |
| 62) Phenanthrene-d10           | 17.60 | 188  | 235563   | 20.00    | ng/ul  | -0.02    |
| 78) Chrysene-d12               | 21.88 | 240  | 215573   | 20.00    | ng/ul  | -0.02    |
| 86) Perylene-d12               | 25.26 | 264  | 232579   | 20.00    | ng/ul  | -0.03    |
| System Monitoring Compounds    |       |      |          |          |        |          |
| 3) 1,4-Dioxane-d8              | 3.63  | 96   | 122      | 65.22    | ng/uL  | 0.02     |
| 5) Phenol-d5                   | 7.38  | 99   | 31130    | 4564.97  | ng/ul  | -0.02    |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.56  | 67   | 17368    | 4465.32  | ng/ul  | -0.03    |
| 9) 2-Chlorophenol-d4           | 7.78  | 132  | 23765    | 5195.91  | ng/ul  | -0.02    |
| 13) 4-Methylphenol-d8          | 8.99  | 113  | 106      | 20.23    | ng/ul  | 0.03     |
| 19) Nitrobenzene-d5            | 9.42  | 128  | 12102    | 12.06    | ng/ul  | -0.02    |
| 22) 2-Nitrophenol-d4           | 10.15 | 143  | 15305    | 13.98    | ng/ul  | -0.02    |
| 26) 2,4-Dichlorophenol-d3      | 10.68 | 165  | 31015    | 12.37    | ng/ul  | -0.02    |
| 29) 4-Chloroaniline-d4         | 11.20 | 131  | 17123    | 6.75     | ng/ul  | -0.02    |
| 44) Dimethylphthalate-d6       | 14.25 | 166  | 100858   | 12.36    | ng/ul  | -0.03    |
| 47) Acenaphthylene-d8          | 14.56 | 160  | 119556   | 12.67    | ng/ul  | -0.02    |
| 52) 4-Nitrophenol-d4           | 15.03 | 143  | 10962    | 8.80     | ng/ul  | 0.00     |
| 58) Fluorene-d10               | 15.85 | 176  | 94668    | 12.66    | ng/ul  | -0.02    |
| 63) 4,6-Dinitro-2-methylphenol | 15.95 | 200  | 16256    | 12.12    | ng/ul  | -0.02    |
| 71) Anthracene-d10             | 17.70 | 188  | 145136   | 12.42    | ng/ul  | -0.02    |
| 79) Pyrene-d10                 | 19.96 | 212  | 176138   | 14.04    | ng/ul  | -0.02    |
| 90) Benzo(a)pyrene-d12         | 25.03 | 264  | 172707   | 12.90    | ng/ul  | -0.03    |
| Target Compounds               |       |      |          |          |        |          |
|                                |       |      |          |          | Ovalue |          |
| 4) Benzaldehyde                | 7.41  | 77   | 96       | 23.833   | ng/ul# | 7        |
| 6) Phenol                      | 7.41  | 94   | 8073     | 1235.629 | ng/ul# | 90       |
| 14) Acetophenone               | 9.07  | 105  | 1654     | 204.918  | ng/ul# | 62       |
| 15) N-Nitroso-di-n-propylamine | 8.94  | 70   | 399      | 81.937   | ng/ul# | 1        |
| 45) Dimethylphthalate          | 14.30 | 163  | 41473    | 4.981    | ng/ul  | 98       |
| 70) Phenanthrene               | 17.64 | 178  | 56709    | 4.458    | ng/ul  | 94       |
| 77) Fluoranthene               | 19.63 | 202  | 142959   | 8.899    | ng/ul# | 97       |
| 80) Pyrene                     | 19.99 | 202  | 120145   | 7.868    | ng/ul# | 91       |
| 83) Benzo(a)anthracene         | 21.86 | 228  | 66010    | 4.304    | ng/ul  | 95       |
| 85) Chrysene                   | 21.86 | 228  | 64804    | 4.440    | ng/ul  | 95       |
| 88) Benzo(b)fluoranthene       | 24.18 | 252  | 82262    | 5.009    | ng/ul  | 98       |
| 89) Benzo(k)fluoranthene       | 24.24 | 252  | 37139    | 2.295    | ng/ul  | 94       |
| 91) Benzo(a)pyrene             | 25.10 | 252  | 60502    | 4.133    | ng/ul# | 97       |
| 92) Indeno(1,2,3-cd)pyrene     | 29.14 | 276  | 22282    | 1.251    | ng/ul# | 90       |

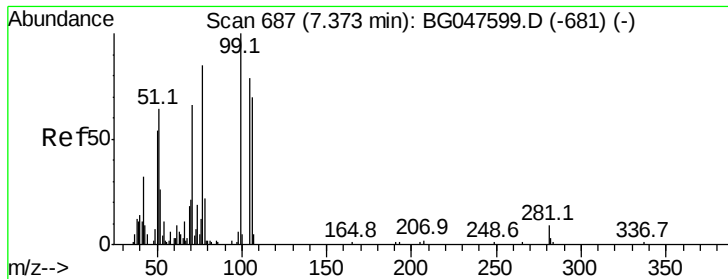
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :  
C0B26

Quant Time: Dec 07 05:08:24 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Dec 07 05:06:33 2020  
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 23.833 ng/ul

RT: 7.41 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

Instrument :

BNA\_G

ClientSampleId :

C0B26

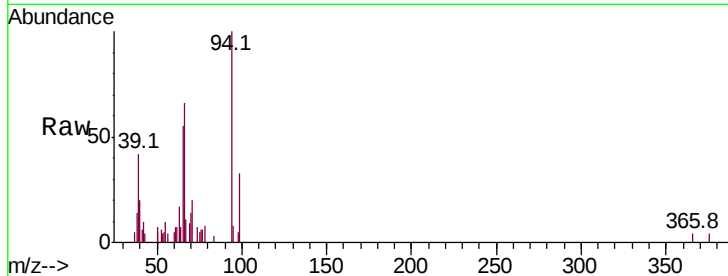
Tot Ion: 77 Resp: 96

Ion Ratio Lower Upper

77 100

105 0.0 67.8 101.8#

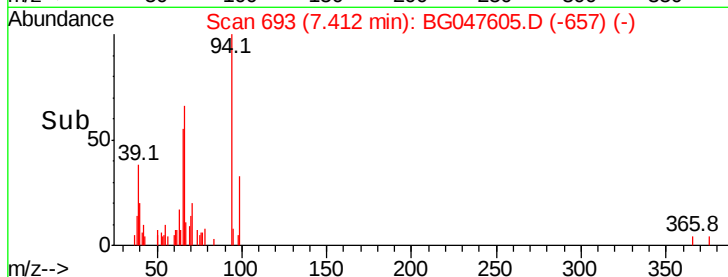
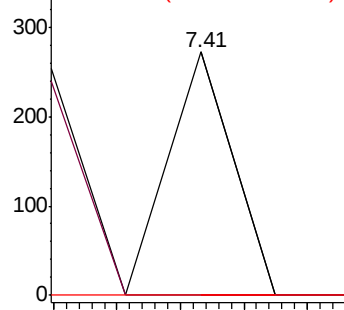
106 0.0 68.5 102.7#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 1235.629 ng/ul

RT: 7.41 min Scan# 693

Delta R.T. -0.02 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

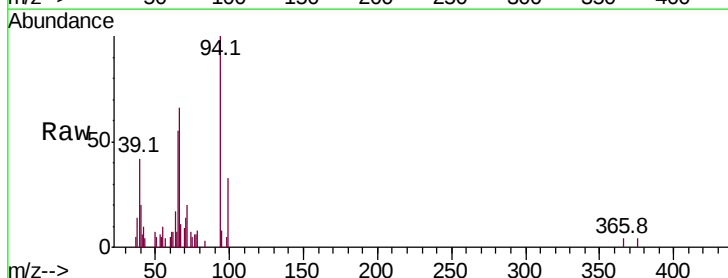
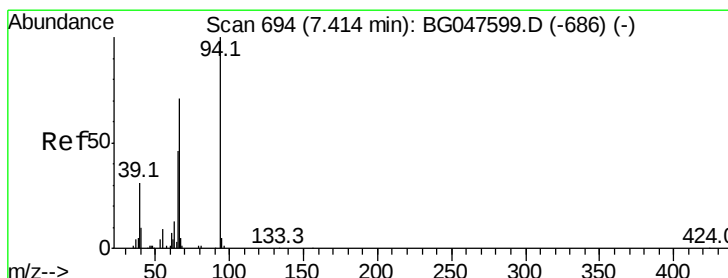
Tgt Ion: 94 Resp: 8073

Ion Ratio Lower Upper

94 100

65 54.8 31.2 46.8#

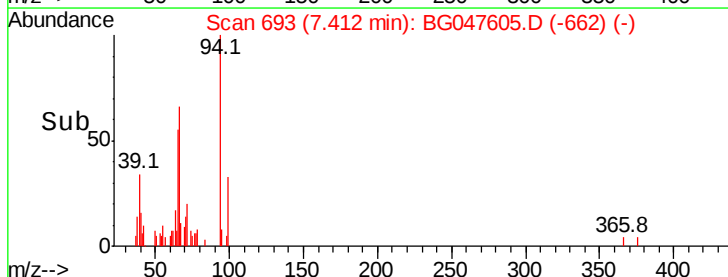
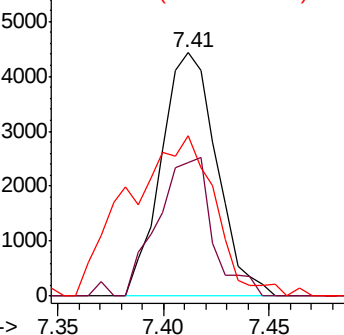
66 65.9 52.2 78.2

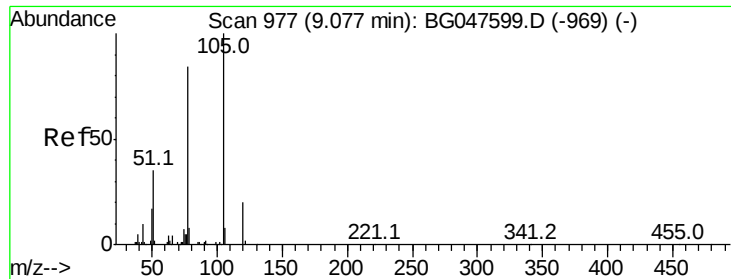


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#14

Acetophenone

Concen: 204.918 ng/ul

RT: 9.07 min Scan# 976

Delta R.T. -0.02 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

Instrument :

BNA\_G

ClientSampleId :

C0B26

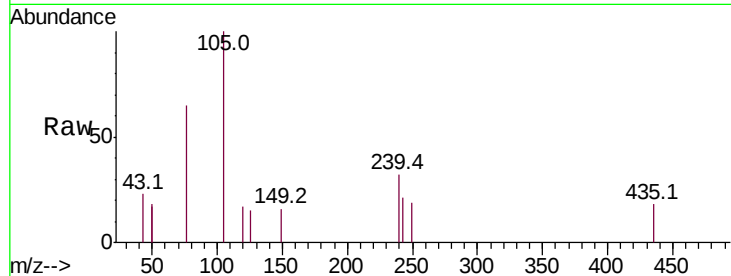
Tot Ion:105 Resp: 1654

Ion Ratio Lower Upper

105 100

77 64.6 76.0 114.0#

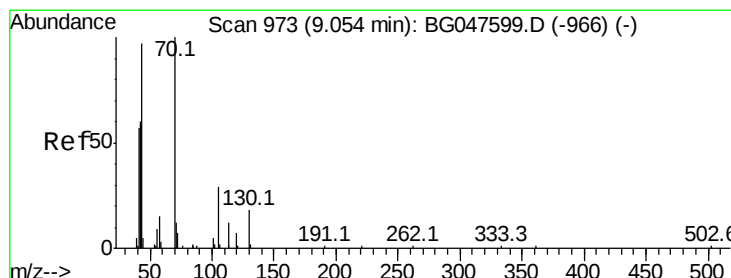
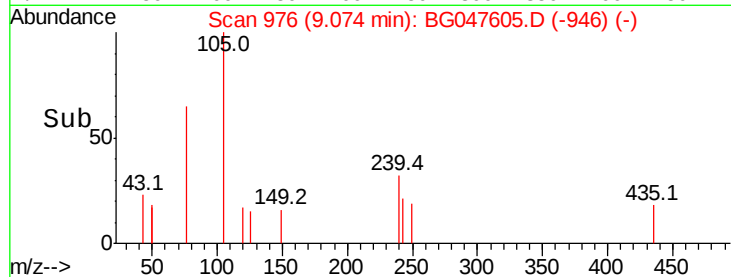
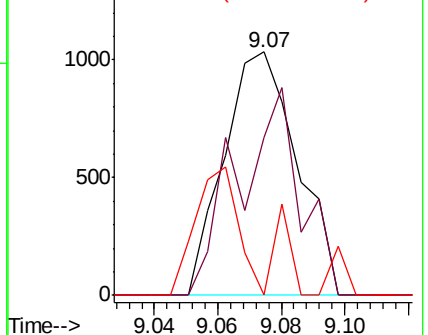
51 0.0 26.3 39.5#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 51.00 (50.70 to 51.70): BG



#15

N-Nitroso-di-n-propylamine

Concen: 81.937 ng/ul

RT: 8.94 min Scan# 953

Delta R.T. -0.14 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

Tgt Ion: 70 Resp: 399

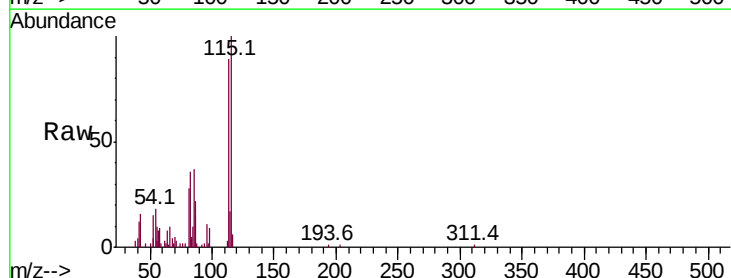
Ion Ratio Lower Upper

70 100

42 321.9 44.2 66.2#

101 0.0 9.0 13.6#

130 0.0 15.1 22.7#

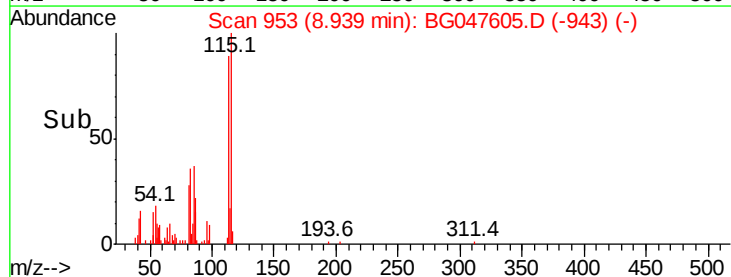
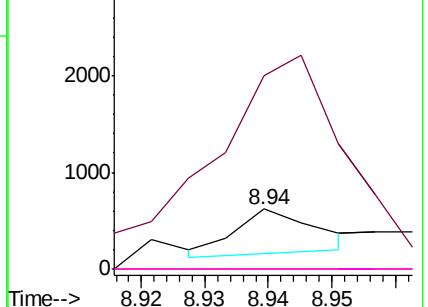


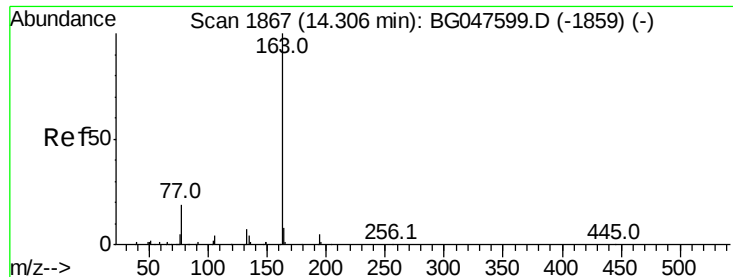
Abundance Ion 70.00 (69.70 to 70.70): BG

Ion 42.00 (41.70 to 42.70): BG

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#45

Dimethylphthalate

Concen: 4.981 ng/ul

RT: 14.30 min Scan# 1865

Delta R.T. -0.03 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

Instrument :

BNA\_G

ClientSampleId :

C0B26

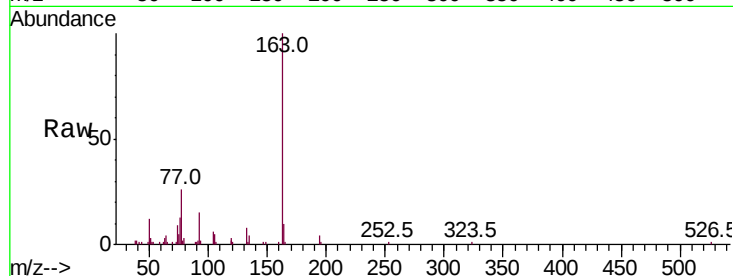
Tot Ion:163 Resp: 41473

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

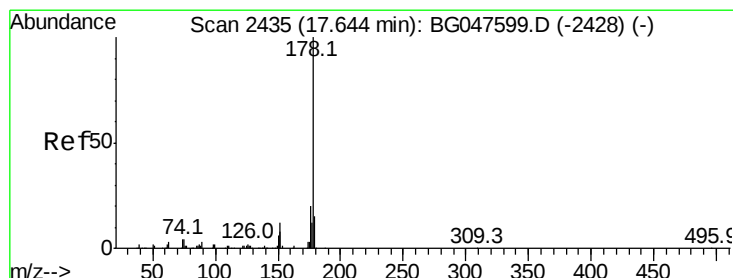
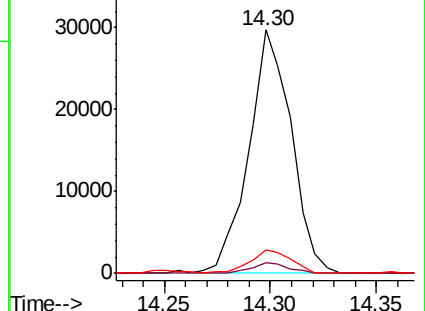
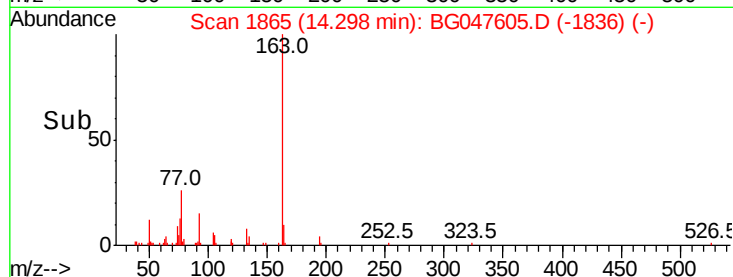
164 9.8 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#70

Phenanthrene

Concen: 4.458 ng/ul

RT: 17.64 min Scan# 2434

Delta R.T. -0.02 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

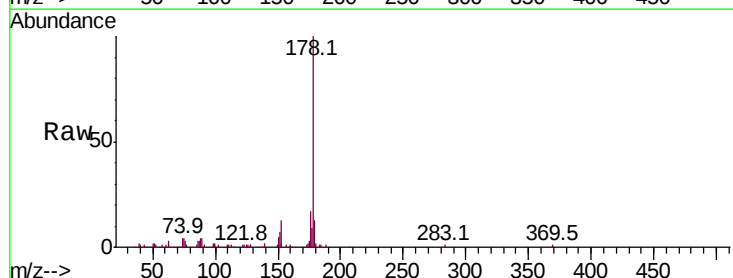
Tgt Ion:178 Resp: 56709

Ion Ratio Lower Upper

178 100

179 12.9 12.8 19.2

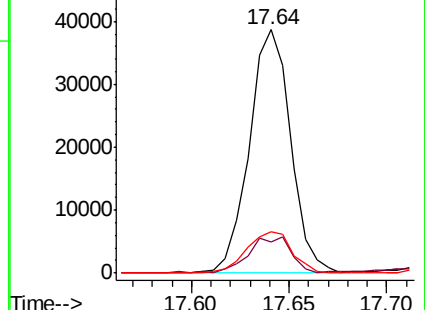
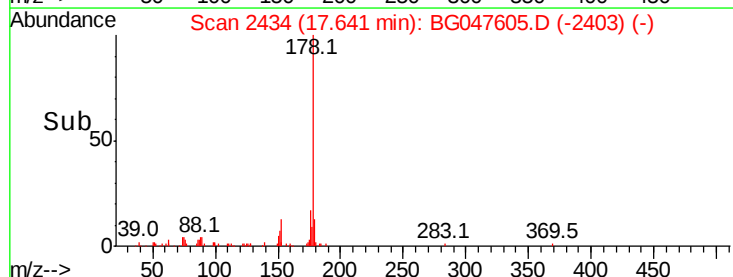
176 16.9 15.7 23.5

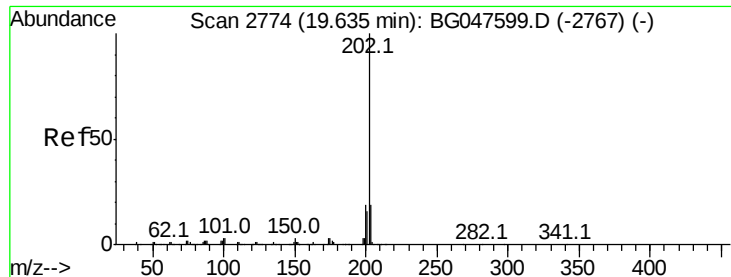


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 8.899 ng/ul

RT: 19.63 min Scan# 2773

Delta R.T. -0.02 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

Instrument :

BNA\_G

ClientSampleId :

C0B26

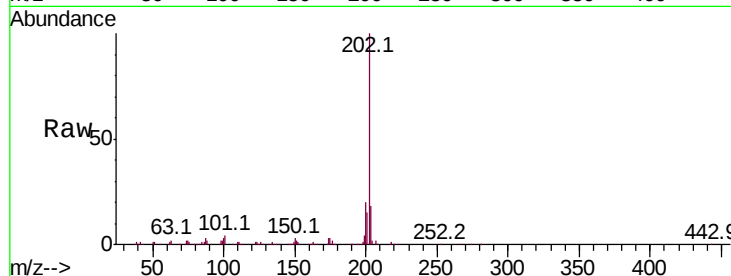
Tot Ion:202 Resp: 142959

Ion Ratio Lower Upper

202 100

101 3.8 3.3 4.9

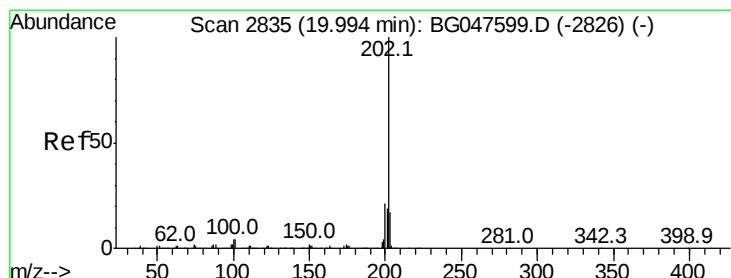
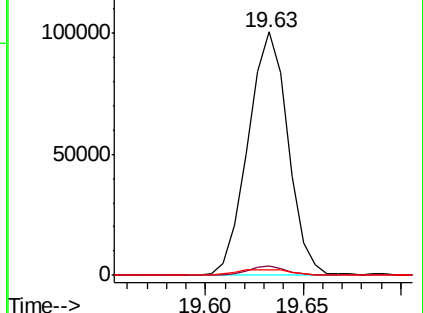
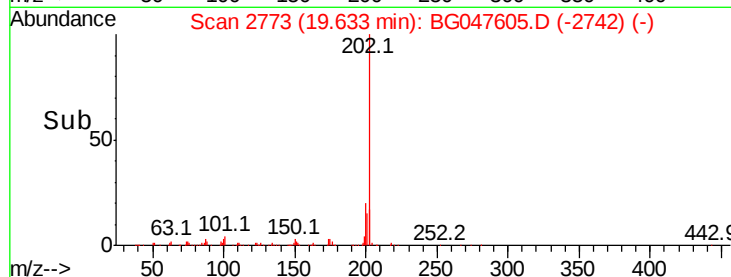
100 2.5 3.4 5.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 7.868 ng/ul

RT: 19.99 min Scan# 2834

Delta R.T. -0.02 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

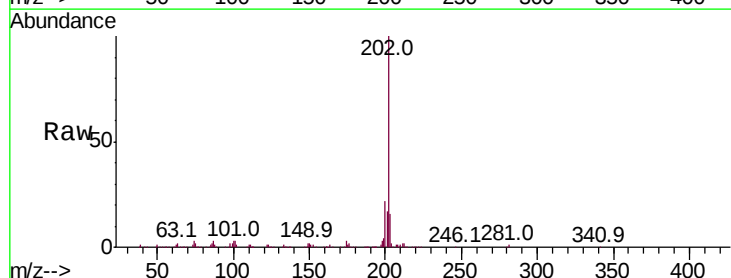
Tgt Ion:202 Resp: 120145

Ion Ratio Lower Upper

202 100

101 2.8 5.0 7.4#

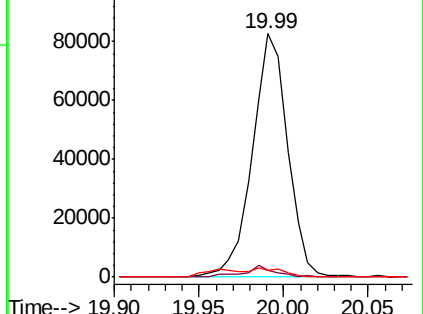
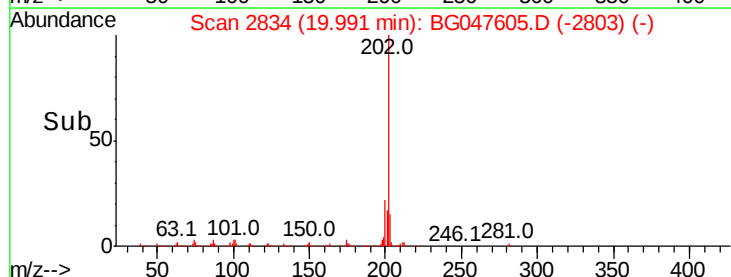
100 2.9 4.6 7.0#

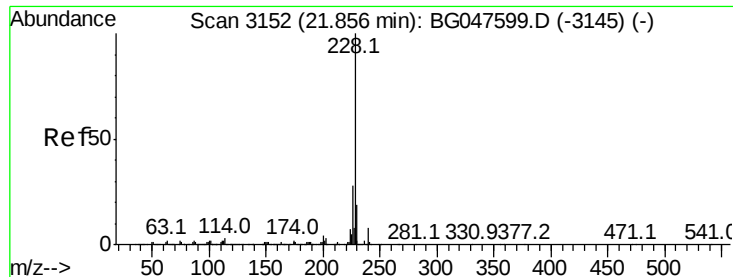


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 4.304 ng/ul

RT: 21.86 min Scan# 3152

Delta R.T. -0.02 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

Instrument :

BNA\_G

ClientSampleId :

C0B26

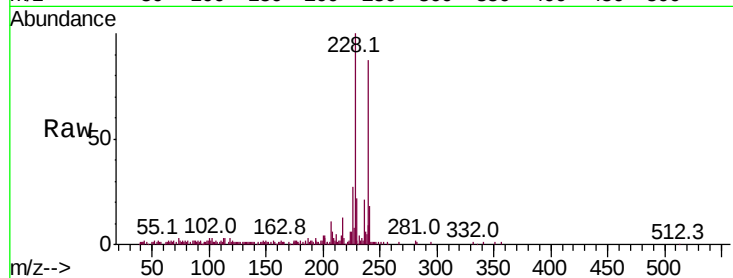
Tot Ion:228 Resp: 66010

Ion Ratio Lower Upper

228 100

229 22.5 16.2 24.2

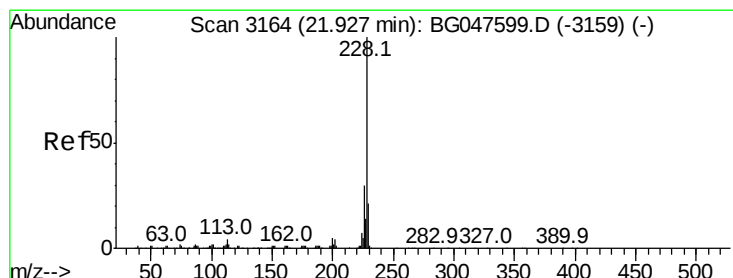
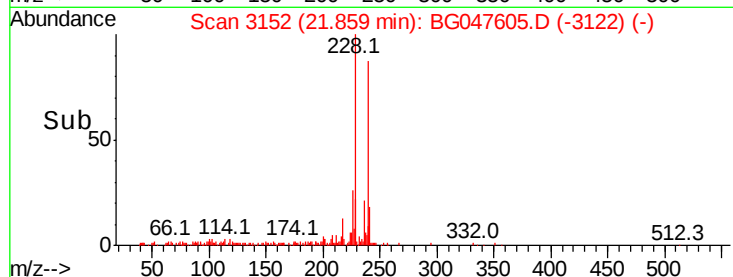
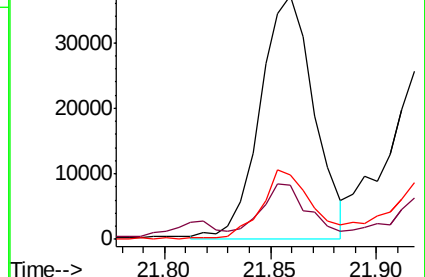
226 26.7 23.3 34.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 4.440 ng/ul

RT: 21.86 min Scan# 3152

Delta R.T. -0.09 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

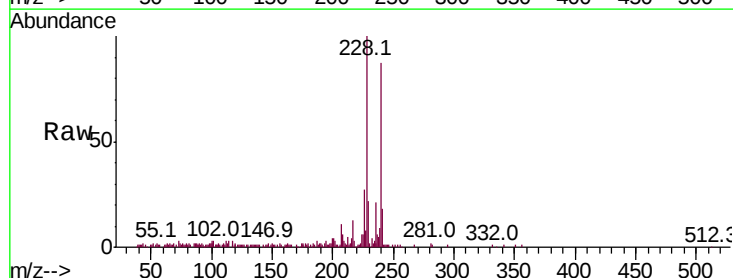
Tgt Ion:228 Resp: 64804

Ion Ratio Lower Upper

228 100

226 26.7 23.8 35.6

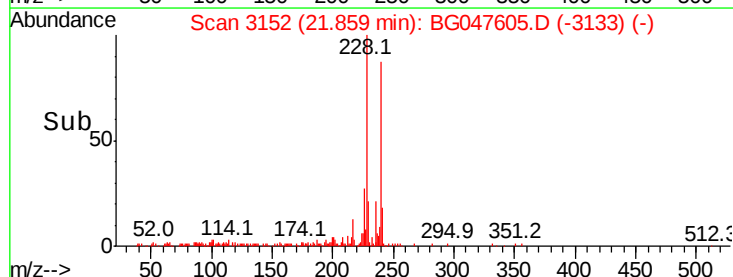
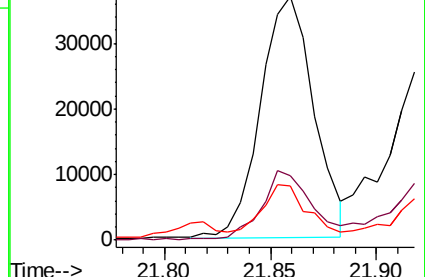
229 22.5 16.3 24.5

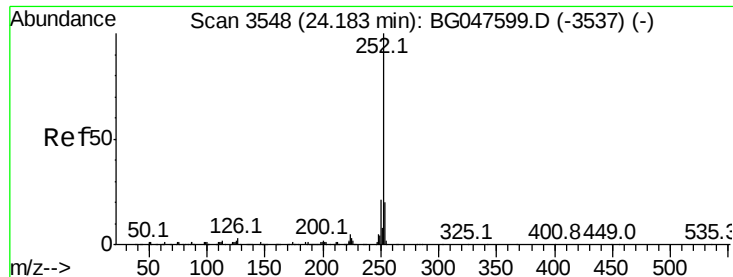


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 5.009 ng/u1

RT: 24.18 min Scan# 3547

Delta R.T. -0.03 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

Instrument :

BNA\_G

ClientSampleId :

C0B26

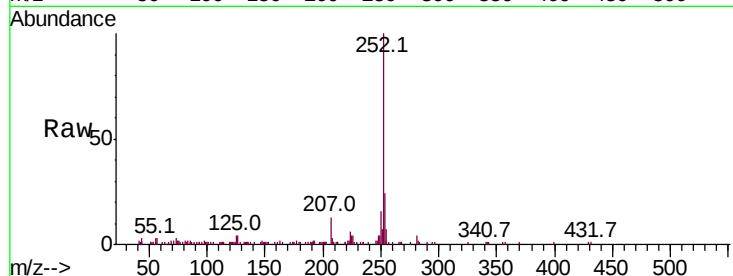
Tot Ion:252 Resp: 82262

Ion Ratio Lower Upper

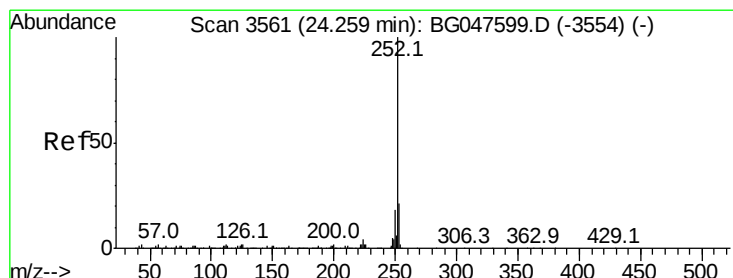
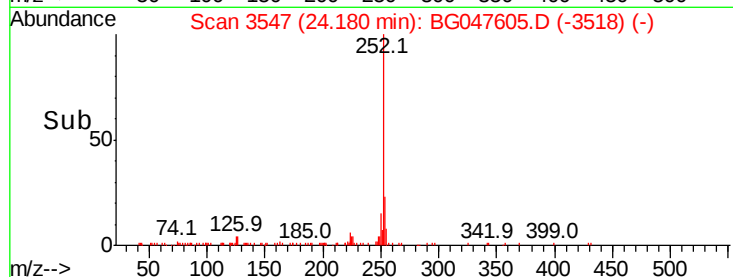
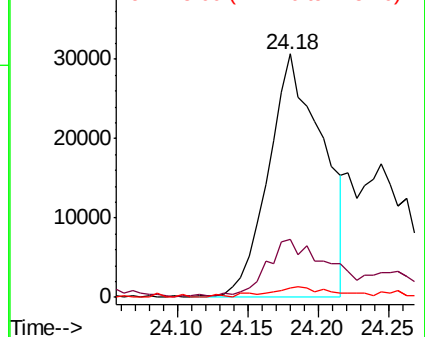
252 100

253 23.9 18.4 27.6

125 3.6 2.5 3.7



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 2.295 ng/u1

RT: 24.24 min Scan# 3558

Delta R.T. -0.04 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

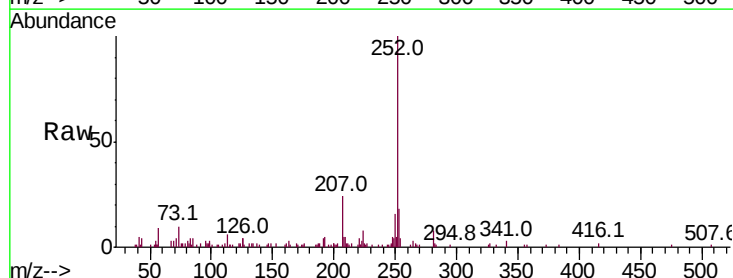
Tgt Ion:252 Resp: 37139

Ion Ratio Lower Upper

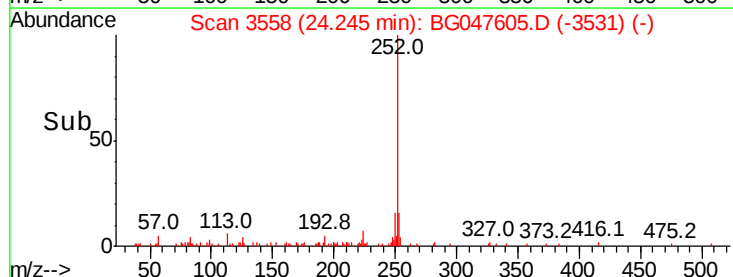
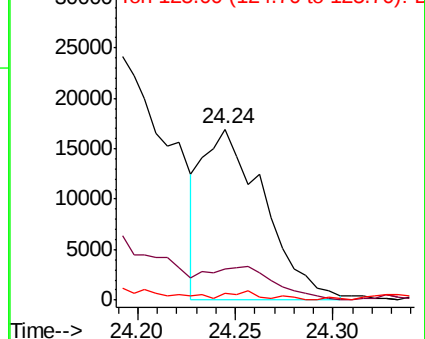
252 100

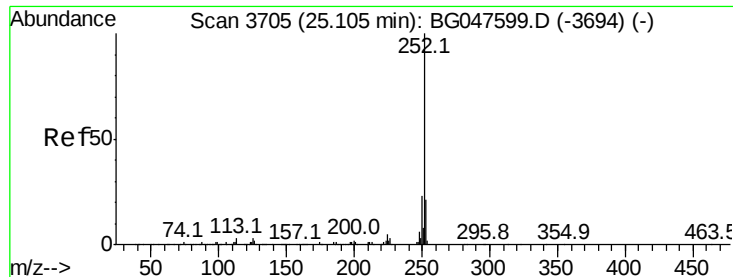
253 18.0 16.7 25.1

125 3.7 2.6 3.8



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 4.133 ng/ul

RT: 25.10 min Scan# 3704

Delta R.T. -0.03 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

Instrument :

BNA\_G

ClientSampleId :

C0B26

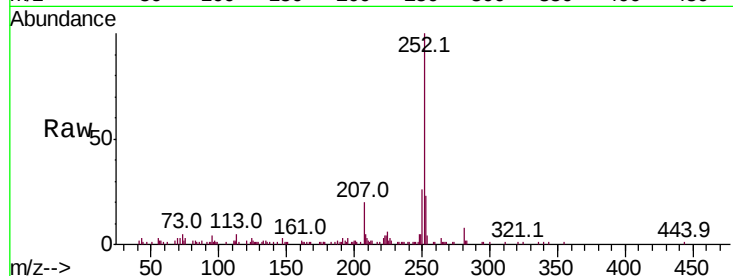
Tot Ion:252 Resp: 60502

Ion Ratio Lower Upper

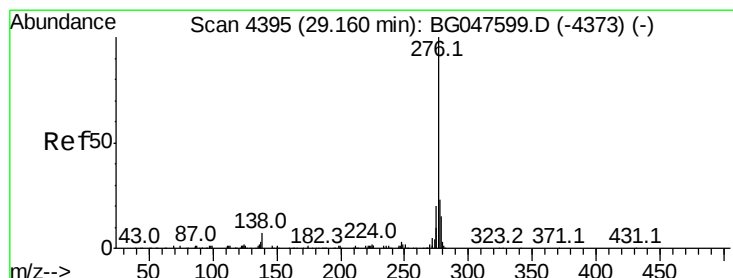
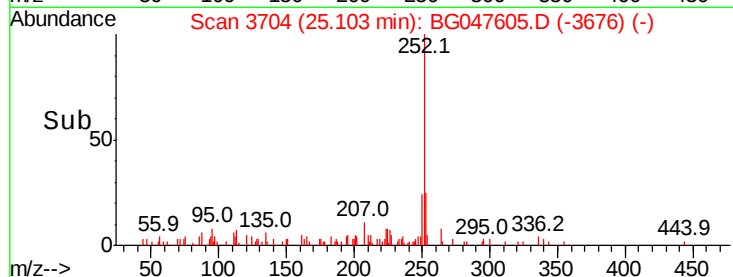
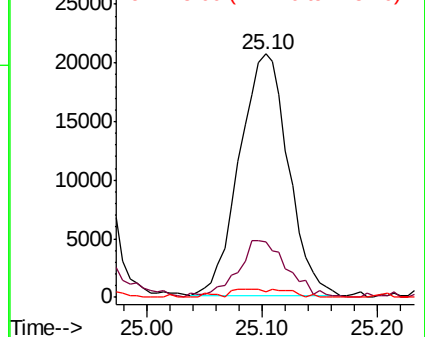
252 100

253 23.0 17.5 26.3

125 2.1 3.1 4.7#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.251 ng/ul

RT: 29.14 min Scan# 4391

Delta R.T. -0.06 min

Lab File: BG047605.D

Acq: 5 Dec 2020 14:33

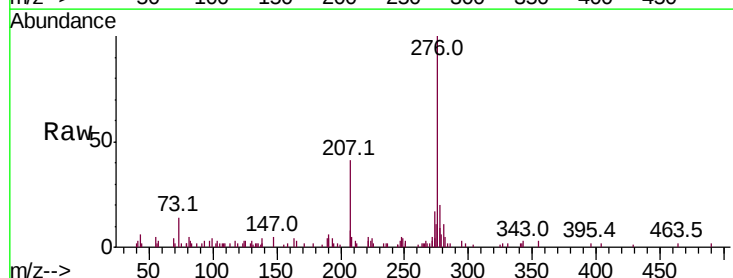
Tgt Ion:276 Resp: 22282

Ion Ratio Lower Upper

276 100

138 5.1 7.5 11.3#

277 20.0 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

