

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090721\  
 Data File : BG050215.D  
 Acq On : 9 Sep 2021 2:17  
 Operator : CG/JU  
 Sample : M3608-08  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBKK4

Manual Integrations  
 APPROVED

mohammad  
 9/9/2021 11:47:07 AM

Quant Time: Sep 09 05:21:11 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG090721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 07 18:32:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.945  | 152  | 68068    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.765 | 136  | 152660   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.607 | 164  | 102504   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.362 | 188  | 224697   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.632 | 240  | 250245   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.846 | 264  | 253288   | 20.000 | ng/ul  | -0.01    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.310  | 96   | 2550m    | 1.852  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.751  | 84   | 17322    | 3.544  | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.123  | 99   | 42750    | 8.089  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.270  | 67   | 110726   | 35.874 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.481  | 132  | 105123   | 23.967 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.674  | 113  | 51067    | 12.289 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.120  | 128  | 38258    | 36.511 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.848  | 143  | 40721    | 31.959 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.401 | 165  | 68451    | 28.148 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.906 | 131  | 86343    | 28.819 | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.008 | 166  | 270339   | 34.928 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.301 | 160  | 298907   | 32.433 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.853 | 143  | 7205m    | 7.715  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.605 | 176  | 218837   | 34.052 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.746 | 200  | 42699    | 31.503 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.462 | 188  | 384119   | 38.080 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.753 | 212  | 475632   | 38.158 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.628 | 264  | 499401   | 37.246 | ng/ul  | -0.01    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.818 | 128  | 18424    | 2.628  | ng/ul# | 92       |
| 37) 1-Methylnaphthalene       | 12.651 | 142  | 10337    | 2.076  | ng/ul# | 98       |
| 52) Acenaphthene              | 14.671 | 153  | 111366   | 18.146 | ng/ul  | 99       |
| 61) Fluorene                  | 15.658 | 166  | 33512    | 4.734  | ng/ul  | 99       |
| 77) Carbazole                 | 17.773 | 167  | 32616    | 3.184  | ng/ul# | 94       |
| -----                         |        |      |          |        |        |          |

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

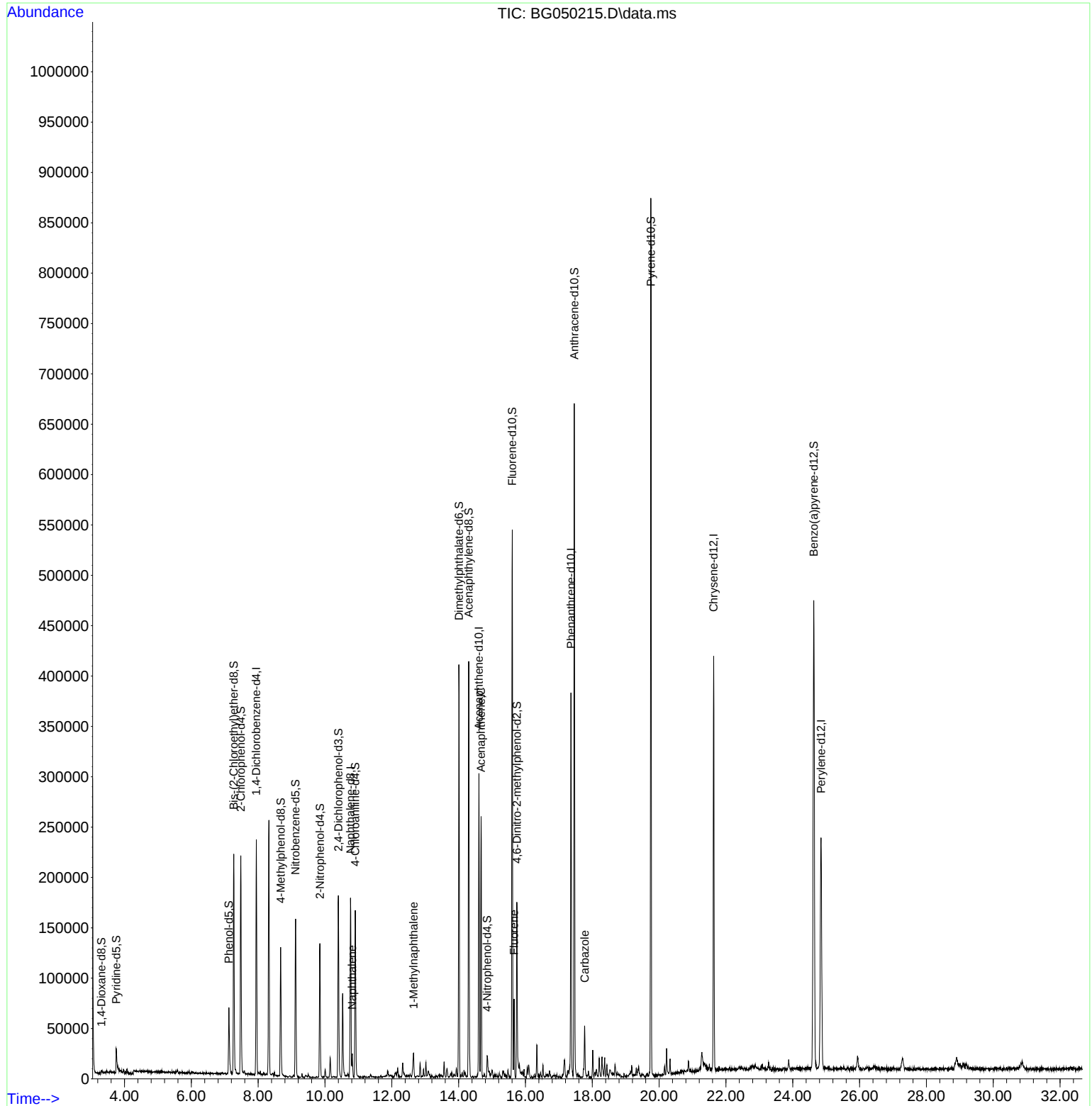
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090721\  
Data File : BG050215.D  
Acq On : 9 Sep 2021 2:17  
Operator : CG/JU  
Sample : M3608-08  
Misc :  
ALS Vial : 43 Sample Multiplier: 1

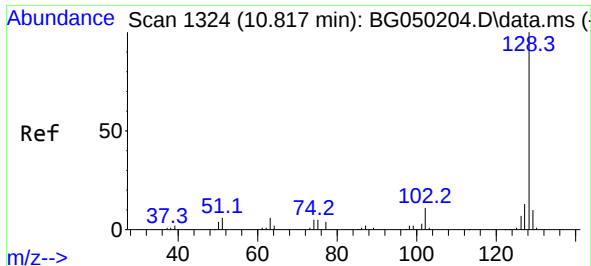
Instrument :  
BNA\_G  
ClientSampleId :  
DBKK4

Manual Integrations  
APPROVED

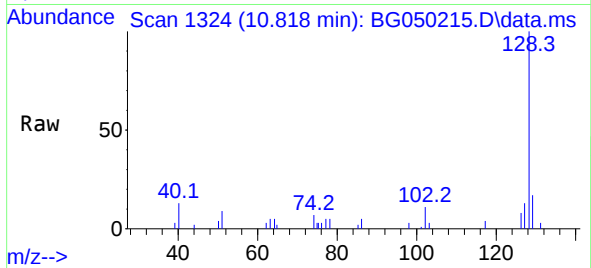
mohammad  
9/9/2021 11:47:07 AM

Quant Time: Sep 09 05:21:11 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG090721.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 07 18:32:38 2021  
Response via : Initial Calibration

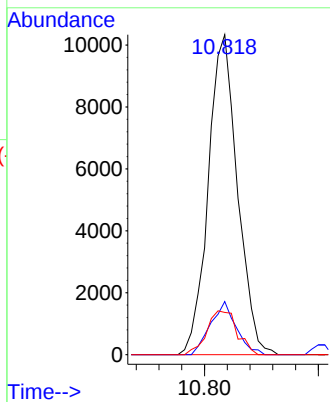
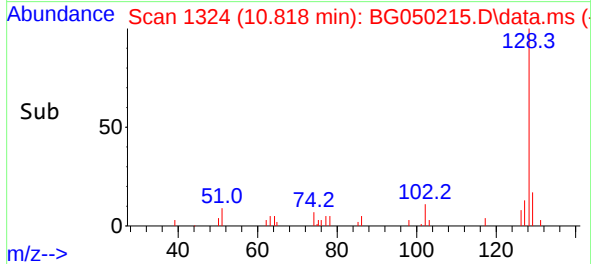




#30  
Naphthalene  
Concen: 2.628 ng/ul  
RT: 10.818 min Scan# 1324  
Delta R.T. -0.005 min  
Lab File: BG050215.D  
Acq: 9 Sep 2021 2:17



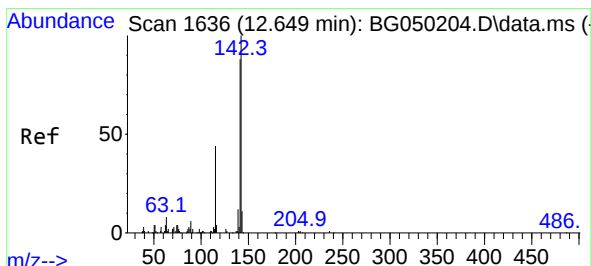
Tgt Ion:128 Resp: 18424  
Ion Ratio Lower Upper  
128 100  
129 16.6 9.3 13.9#  
127 13.2 9.8 14.6



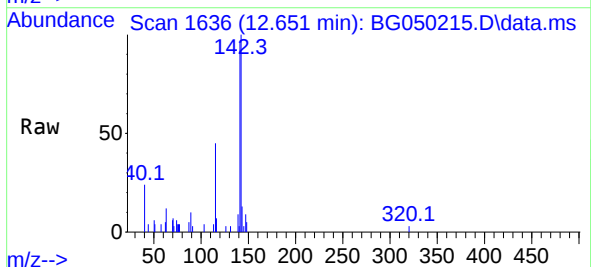
Instrument :  
BNA\_G  
ClientSampleId :  
DBKK4

Manual Integrations  
APPROVED

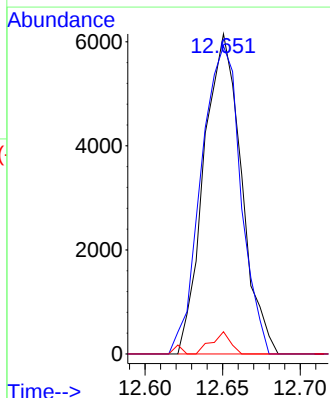
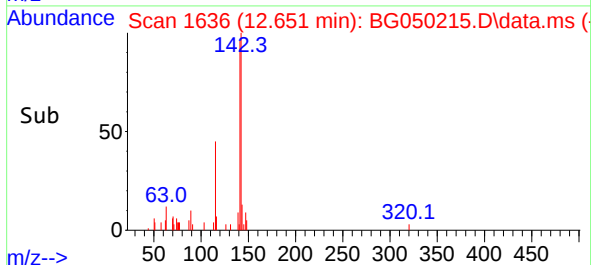
mohammad  
9/9/2021 11:47:07 AM

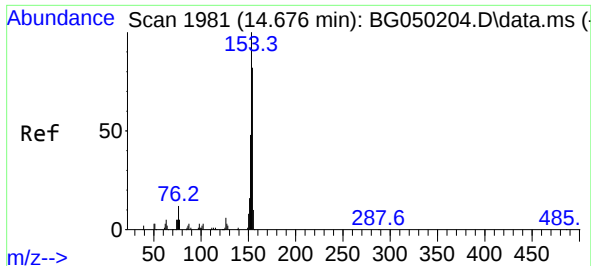


#37  
1-Methylnaphthalene  
Concen: 2.076 ng/ul  
RT: 12.651 min Scan# 1636  
Delta R.T. -0.005 min  
Lab File: BG050215.D  
Acq: 9 Sep 2021 2:17



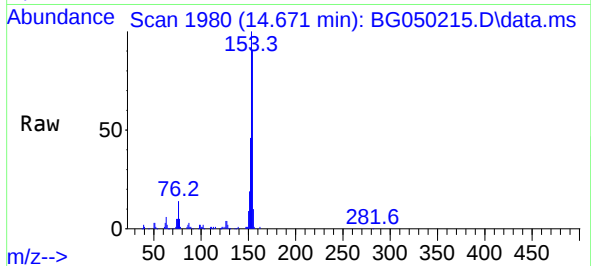
Tgt Ion:142 Resp: 10337  
Ion Ratio Lower Upper  
142 100  
141 96.2 75.8 113.8  
116 6.9 3.7 5.5#





#52  
Acenaphthene  
Concen: 18.146 ng/ul  
RT: 14.671 min Scan# 1980  
Delta R.T. -0.005 min  
Lab File: BG050215.D  
Acq: 9 Sep 2021 2:17

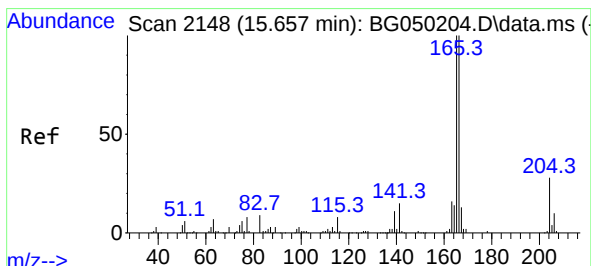
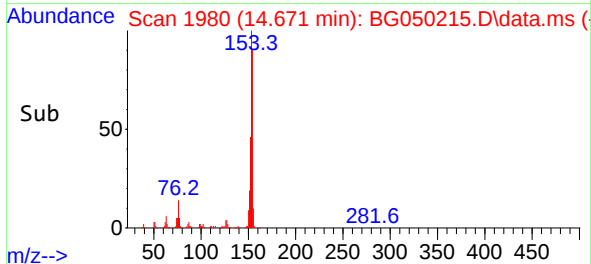
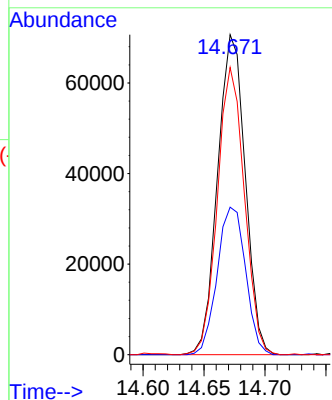
Instrument :  
BNA\_G  
ClientSampleId :  
DBKK4



Tgt Ion:153 Resp: 111366  
Ion Ratio Lower Upper  
153 100  
152 46.1 37.4 56.2  
154 89.8 71.5 107.3

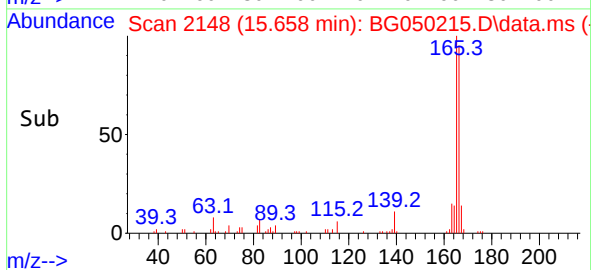
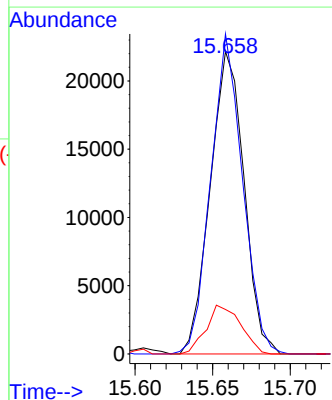
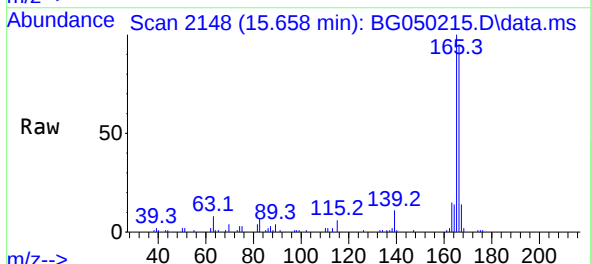
Manual Integrations  
APPROVED

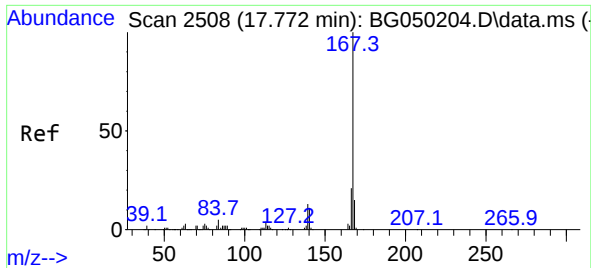
mohammad  
9/9/2021 11:47:07 AM



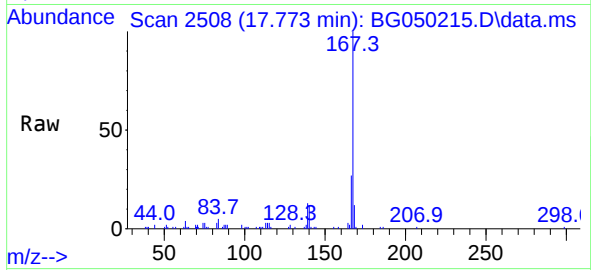
#61  
Fluorene  
Concen: 4.734 ng/ul  
RT: 15.658 min Scan# 2148  
Delta R.T. -0.005 min  
Lab File: BG050215.D  
Acq: 9 Sep 2021 2:17

Tgt Ion:166 Resp: 33512  
Ion Ratio Lower Upper  
166 100  
165 105.7 83.3 124.9  
167 14.7 11.8 17.6

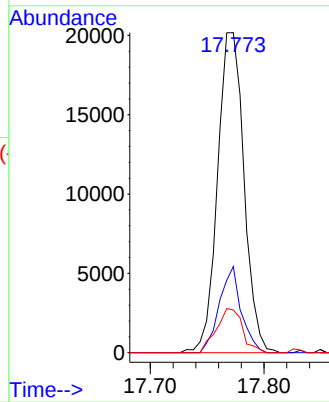
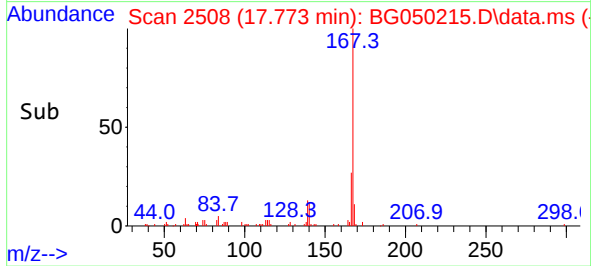




#77  
 Carbazole  
 Concen: 3.184 ng/ul  
 RT: 17.773 min Scan# 2508  
 Delta R.T. -0.005 min  
 Lab File: BG050215.D  
 Acq: 9 Sep 2021 2:17



Tgt Ion:167 Resp: 32616  
 Ion Ratio Lower Upper  
 167 100  
 166 26.9 17.8 26.8#  
 139 13.4 11.1 16.7



Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBKK4

Manual Integrations  
 APPROVED

mohammad  
 9/9/2021 11:47:07 AM