

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\  
 Data File : BG029096.D  
 Acq On : 9 Oct 2017 00:19  
 Operator : SJ/JU  
 Sample : I5576-08MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DAEX2MSD

Quant Time: Oct 09 08:22:37 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 09 08:00:20 2017  
 Response via : Initial Calibration

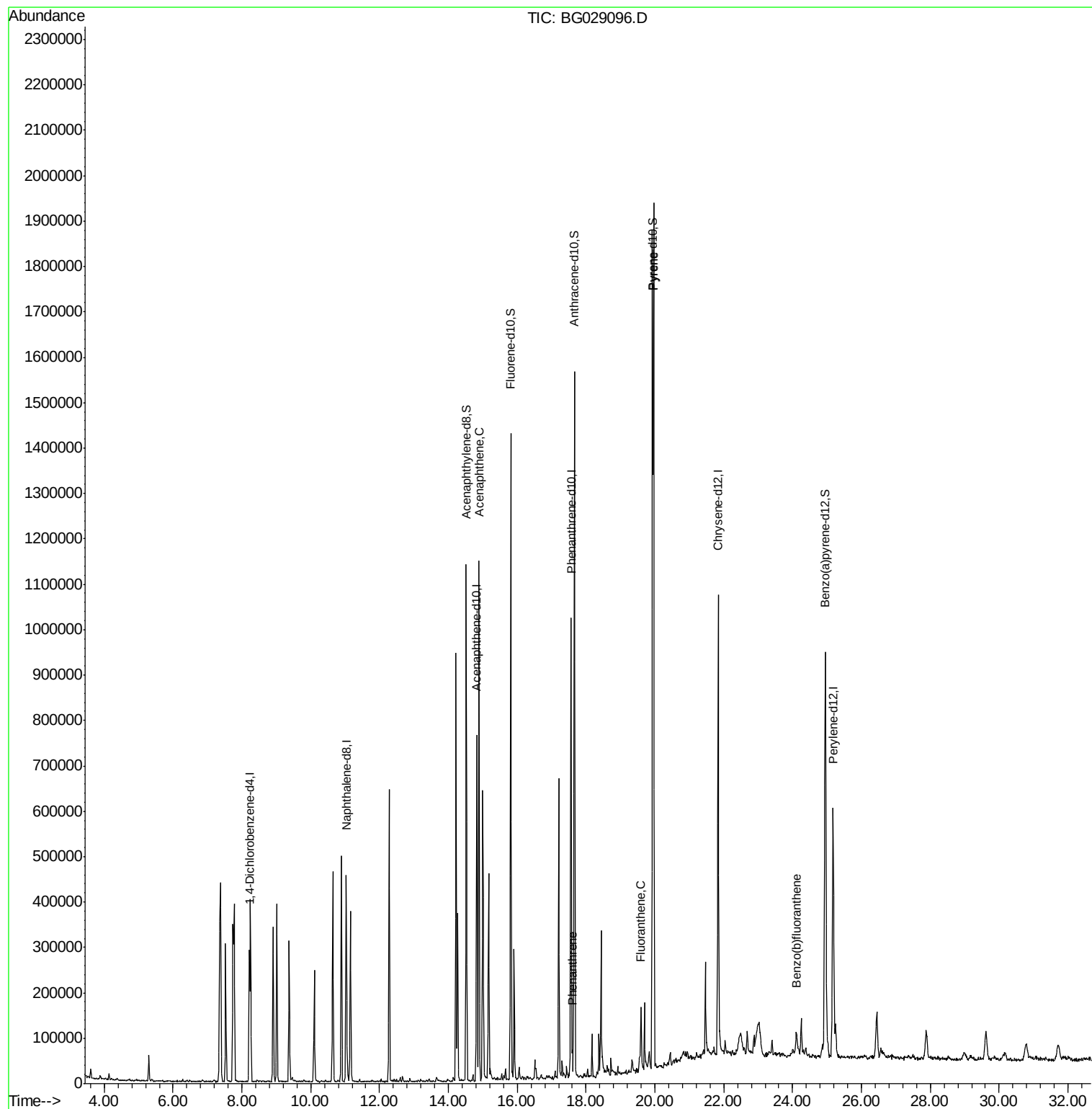
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.21  | 152  | 85098    | 20.00  | ng/ul | 0.00     |
| 2) Naphthalene-d8           | 11.03 | 136  | 402520   | 20.00  | ng/ul | 0.00     |
| 6) Acenaphthene-d10         | 14.82 | 164  | 271690   | 20.00  | ng/ul | 0.00     |
| 12) Phenanthrene-d10        | 17.56 | 188  | 620131   | 20.00  | ng/ul | 0.00     |
| 17) Chrysene-d12            | 21.83 | 240  | 597971   | 20.00  | ng/ul | 0.00     |
| 22) Perylene-d12            | 25.18 | 264  | 591786   | 20.00  | ng/ul | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 7) Acenaphthylene-d8        | 14.52 | 160  | 841667   | 29.79  | ng/ul | 0.00     |
| 10) Fluorene-d10            | 15.81 | 176  | 603706   | 29.46  | ng/ul | 0.00     |
| 14) Anthracene-d10          | 17.66 | 188  | 891257   | 29.67  | ng/ul | 0.00     |
| 18) Pyrene-d10              | 19.93 | 212  | 961942   | 31.44  | ng/ul | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.95 | 264  | 885587   | 31.24  | ng/ul | 0.00     |
| Target Compounds            |       |      |          | Ovalue |       |          |
| 9) Acenaphthene             | 14.89 | 153  | 501497   | 27.086 | ng/ul | 95       |
| 13) Phenanthrene            | 17.60 | 178  | 36328    | 1.098  | ng/ul | 97       |
| 16) Fluoranthene            | 19.60 | 202  | 54934    | 1.417  | ng/ul | 99       |
| 19) Pyrene                  | 19.96 | 202  | 1122792  | 30.122 | ng/ul | 98       |
| 23) Benzo(b)fluoranthene    | 24.11 | 252  | 51466    | 1.454  | ng/ul | 97       |

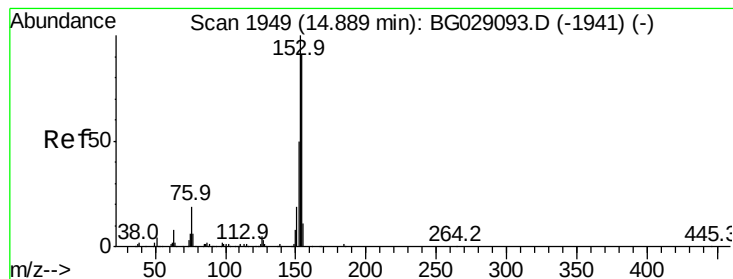
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 27.086 ng/ul

RT: 14.89 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BG029096.D

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Instrument :

BNA\_G

ClientSampleId :

DAEX2MSD

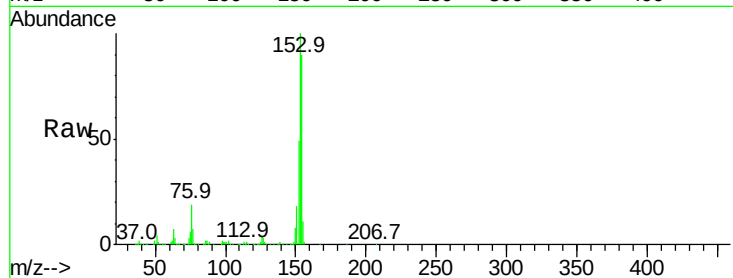
Tot Ion:153 Resp: 501497

Ion Ratio Lower Upper

153 100

152 49.1 39.0 58.6

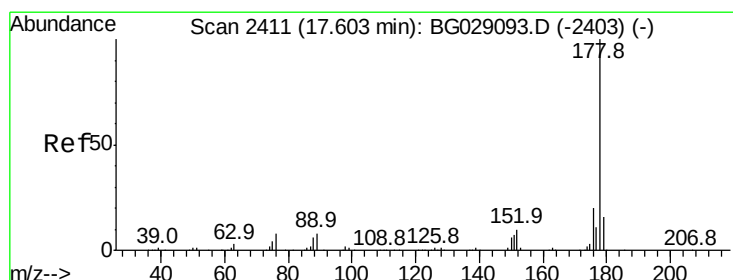
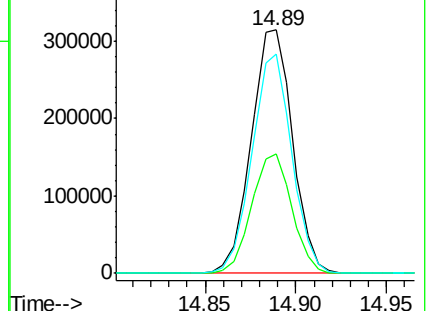
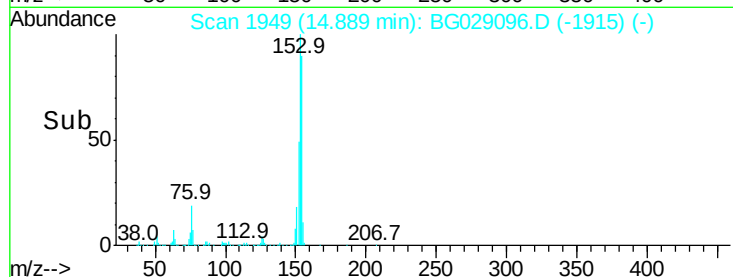
154 90.2 66.8 100.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#13

Phenanthrene

Concen: 1.098 ng/ul

RT: 17.60 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BG029096.D

Acq: 9 Oct 2017 00:19

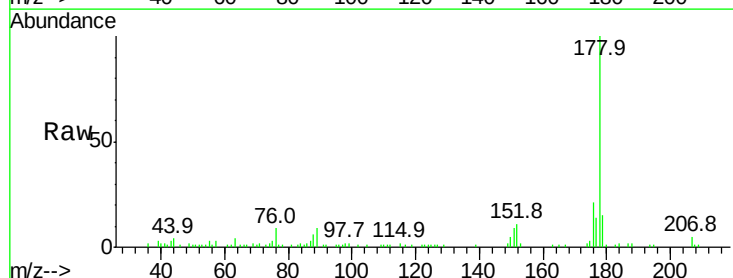
Tgt Ion:178 Resp: 36328

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

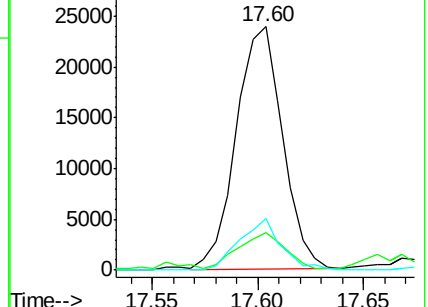
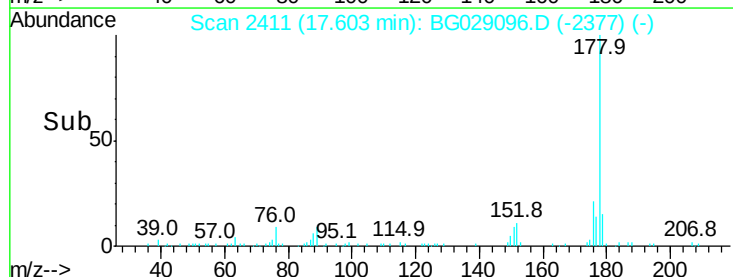
176 21.2 15.1 22.7

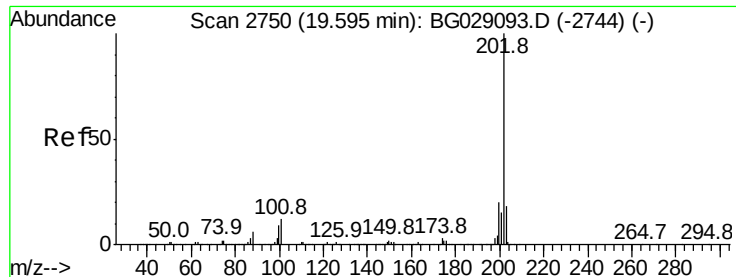


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

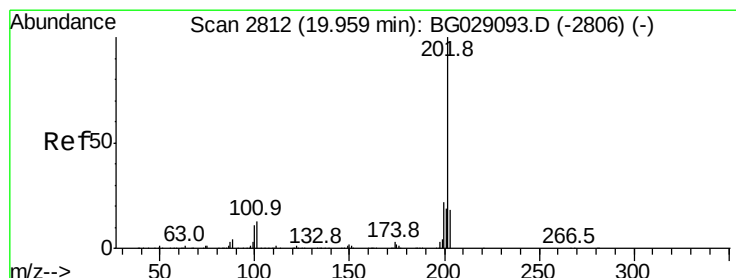
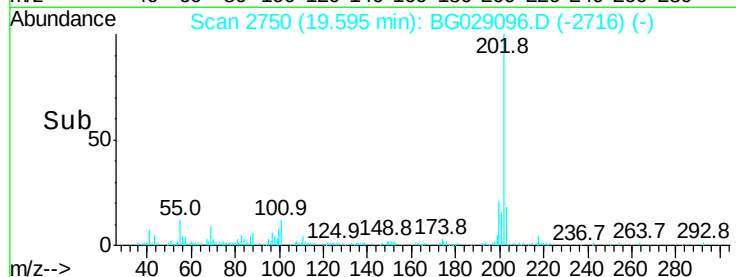
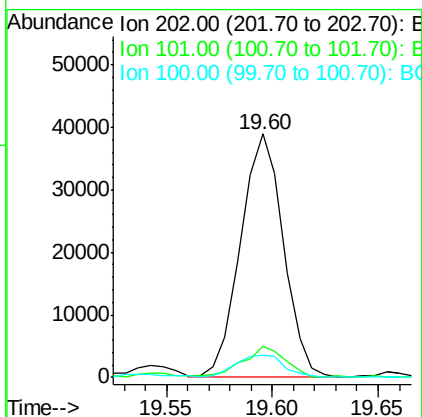
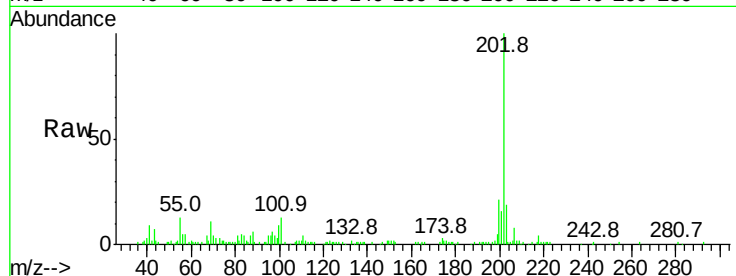




#16  
Fluoranthene  
Concen: 1.417 ng/ul  
RT: 19.60 min Scan# 2750  
Delta R.T. 0.00 min  
Lab File: BG029096.D  
Acq: 9 Oct 2017 00:19

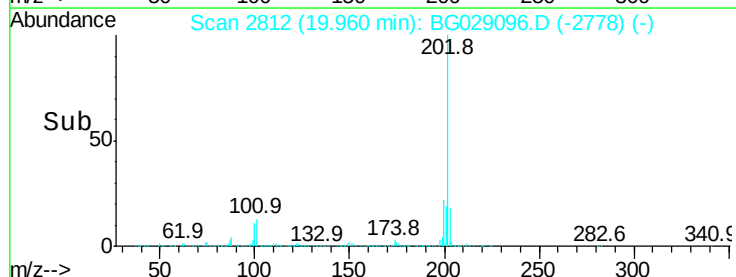
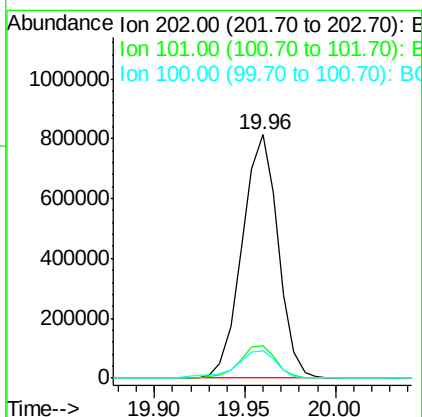
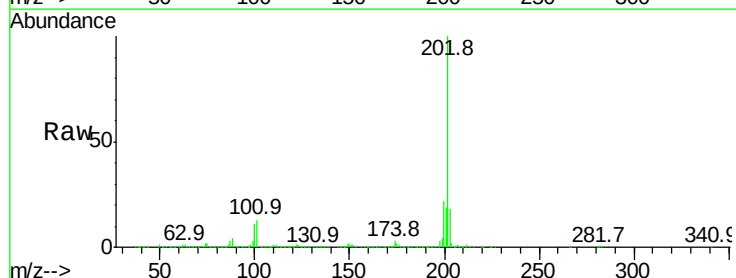
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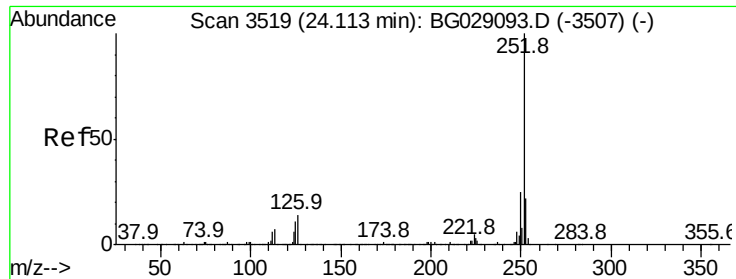
Tot Ion:202 Resp: 54934  
Ion Ratio Lower Upper  
202 100  
101 12.8 9.9 14.9  
100 9.2 7.4 11.0



#19  
Pyrene  
Concen: 30.122 ng/ul  
RT: 19.96 min Scan# 2812  
Delta R.T. 0.00 min  
Lab File: BG029096.D  
Acq: 9 Oct 2017 00:19

Tgt Ion:202 Resp: 1122792  
Ion Ratio Lower Upper  
202 100  
101 13.3 11.0 16.4  
100 11.0 8.1 12.1





#23

Benzo(b)fluoranthene

Concen: 1.454 ng/ul

RT: 24.11 min Scan# 3518

Delta R.T. -0.01 min

Lab File: BG029096.D

Acq: 9 Oct 2017 00:19

Instrument :

BNA\_G

ClientSampleId :

DAEX2MSD

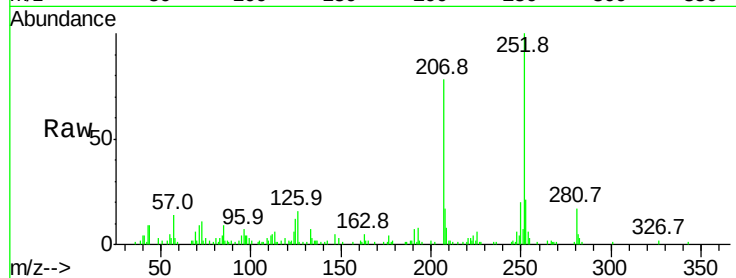
Tot Ion:252 Resp: 51466

Ion Ratio Lower Upper

252 100

253 21.2 18.0 27.0

125 11.8 8.0 12.0



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

