

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082517\  
 Data File : BG082504.D  
 Acq On : 25 Aug 2017 23:40  
 Operator : SJ/JU  
 Sample : I4885-05  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0AQ2

Manual Integrations  
 APPROVED

Sohil  
 8/28/2017 3:16:54 PM

Quant Time: Aug 26 03:49:59 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 26 01:54:26 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.33  | 152  | 34632    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.16 | 136  | 150396   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.95 | 164  | 104576   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.70 | 188  | 238772m  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.03 | 240  | 282715   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.54 | 264  | 279701   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.82  | 96  | 4986   | 6.70  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.49  | 99  | 142205 | 37.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.65  | 67  | 89410  | 37.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.88  | 132 | 100962 | 42.08 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.04  | 113 | 116850 | 36.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.51  | 128 | 53609  | 45.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.23 | 143 | 64743  | 50.21 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.78 | 165 | 118471 | 44.41 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.29 | 131 | 149567 | 50.37 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.34 | 166 | 386999 | 41.61 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 460595 | 43.92 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.15 | 143 | 57667  | 38.99 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.94 | 176 | 333691 | 39.99 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 52064m | 33.57 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.80 | 188 | 542539 | 47.38 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.07 | 212 | 632760 | 43.64 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.30 | 264 | 617029 | 47.12 | ng/ul | 0.00 |

## Target Compounds

|                         |       |     |        |        | Qvalue |    |
|-------------------------|-------|-----|--------|--------|--------|----|
| 6) Phenol               | 7.52  | 94  | 9109   | 2.410  | ng/ul# | 74 |
| 28) Naphthalene         | 11.21 | 128 | 36017  | 4.835  | ng/ul# | 72 |
| 34) 2-Methylnaphthalene | 12.79 | 142 | 57312  | 9.579  | ng/ul  | 87 |
| 44) Dimethylphthalate   | 14.39 | 163 | 138628 | 16.187 | ng/ul# | 96 |
| 53) Dibenzofuran        | 15.34 | 168 | 14414  | 1.462  | ng/ul# | 50 |
| 58) Fluorene            | 16.00 | 166 | 20194  | 2.314  | ng/ul# | 83 |
| 69) Phenanthrene        | 17.74 | 178 | 24781m | 2.062  | ng/ul  |    |

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

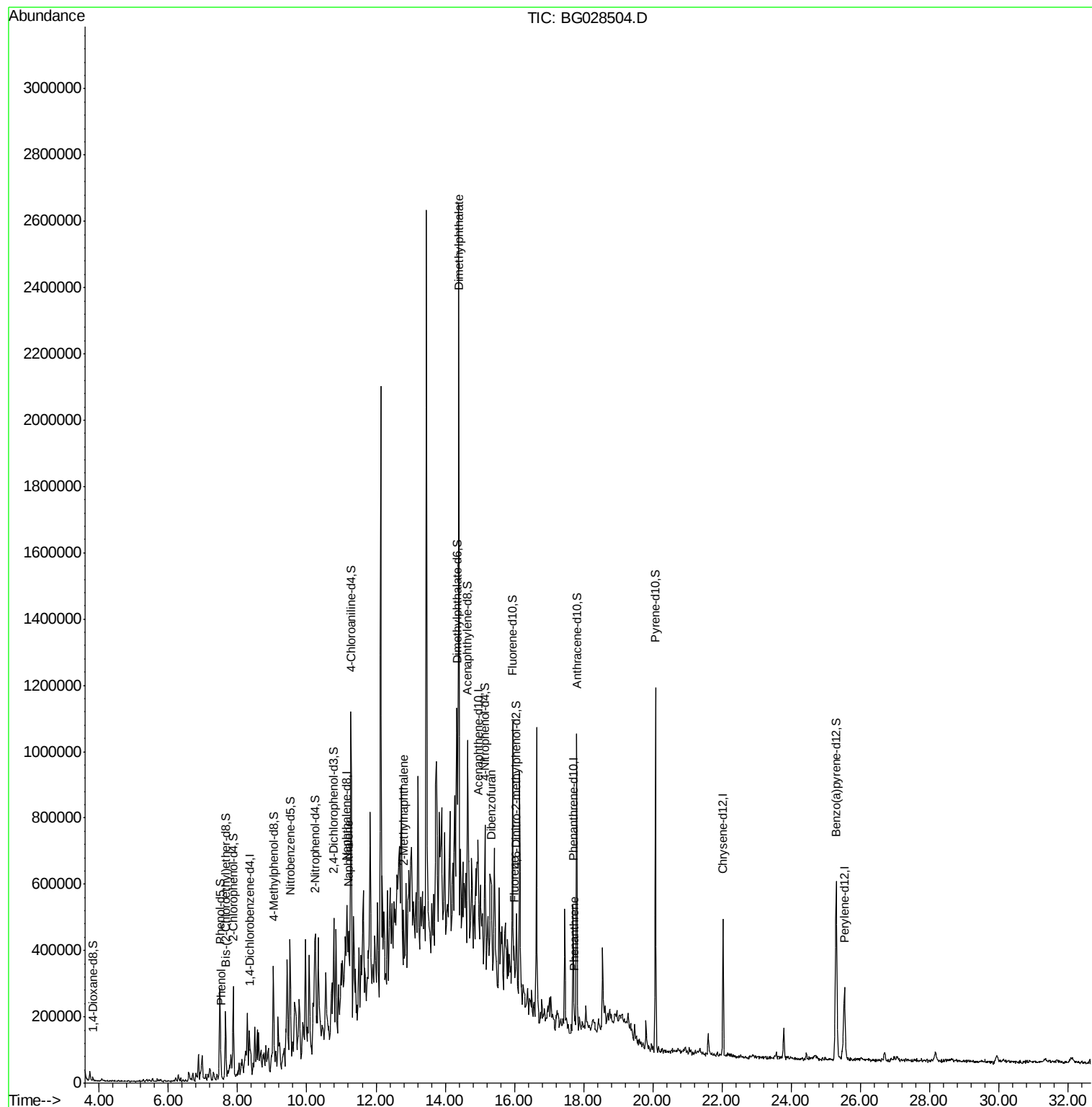
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082517\  
Data File : BG028504.D  
Acq On : 25 Aug 2017 23:40  
Operator : SJ/JU  
Sample : I4885-05  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

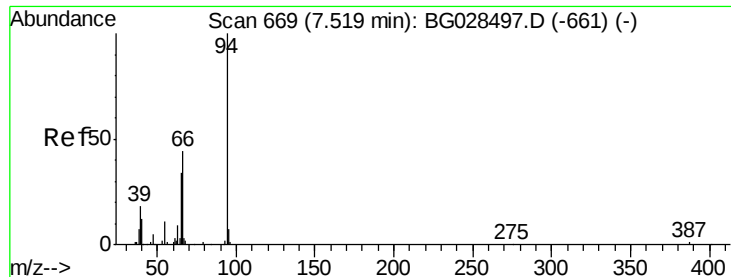
Instrument :  
BNA\_G  
ClientSampleId :  
B0AQ2

Manual Integrations  
APPROVED

Sohil  
8/28/2017 3:16:54 PM

Quant Time: Aug 26 03:49:59 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Aug 26 01:54:26 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 2.410 ng/ul

RT: 7.52 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG028504.D

Acq: 25 Aug 2017 23:40

Instrument :

BNA\_G

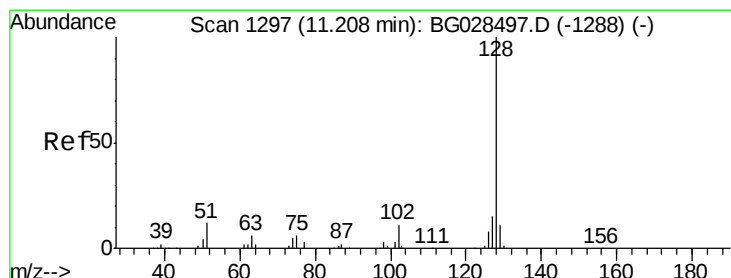
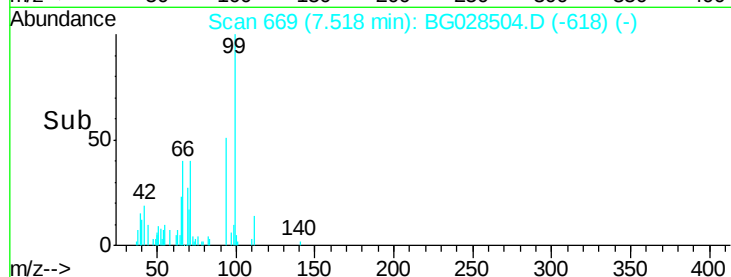
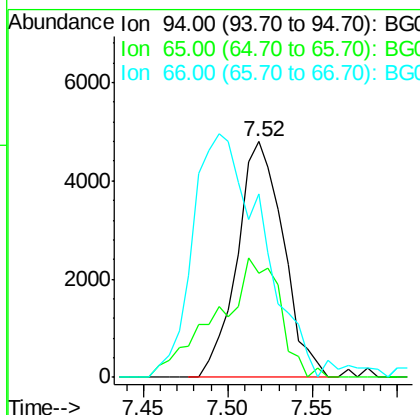
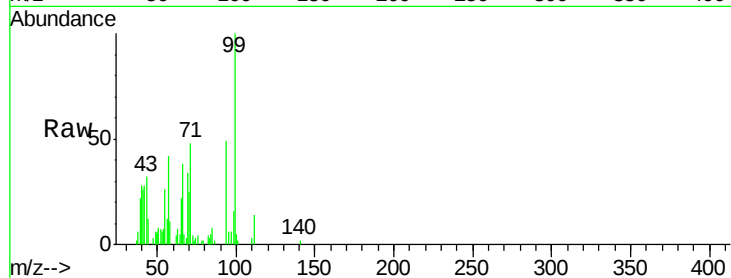
ClientSampleId :

B0AQ2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 9109  |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 44.2  | 26.8  | 40.2# |
| 66        | 77.9  | 44.4  | 66.6# |

Manual Integrations  
APPROVED

Sohil  
8/28/2017 3:16:54 PM



#28

Naphthalene

Concen: 4.835 ng/ul

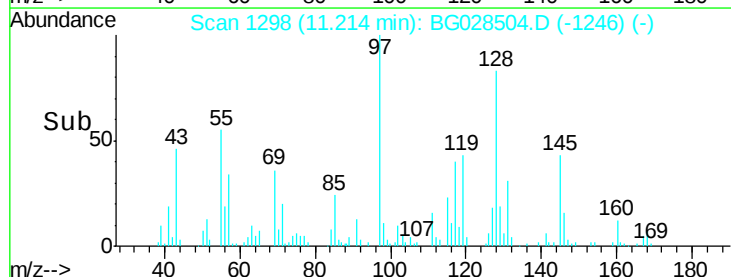
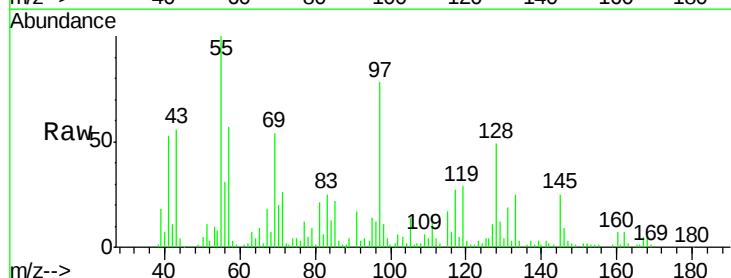
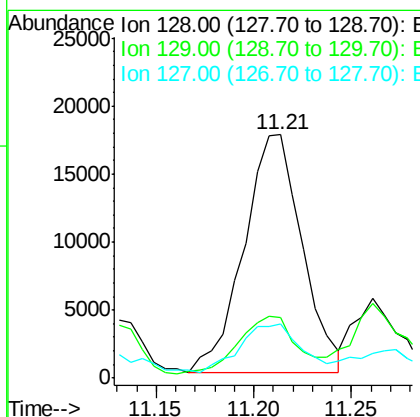
RT: 11.21 min Scan# 1298

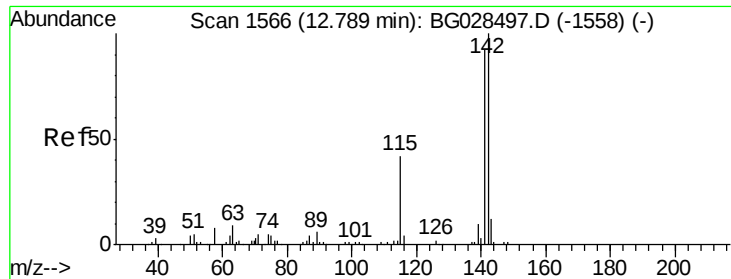
Delta R.T. 0.01 min

Lab File: BG028504.D

Acq: 25 Aug 2017 23:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 36017 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 24.6  | 9.4   | 14.2# |
| 127       | 22.5  | 10.3  | 15.5# |





#34

2-Methylnaphthalene

Concen: 9.579 ng/ul

RT: 12.79 min Scan# 1567

Delta R.T. 0.01 min

Lab File: BG028504.D

Acq: 25 Aug 2017 23:40

Instrument :

BNA\_G

ClientSampleId :

B0AQ2

Tgt Ion:142 Resp: 57312

Ion Ratio Lower Upper

142 100

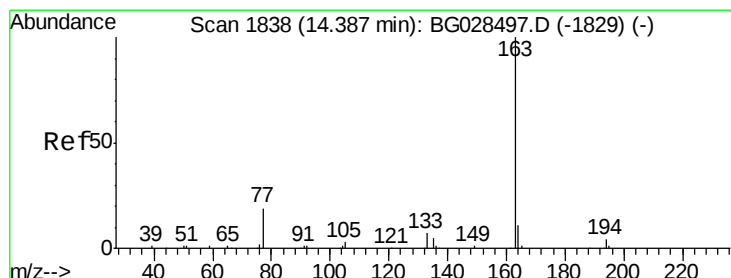
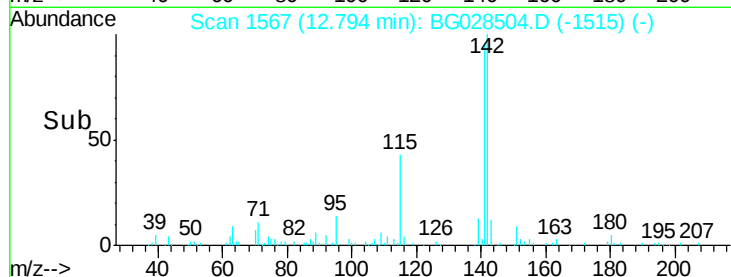
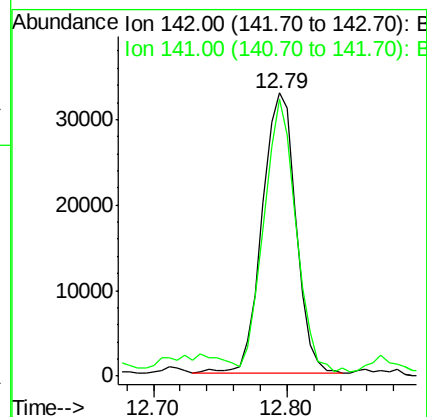
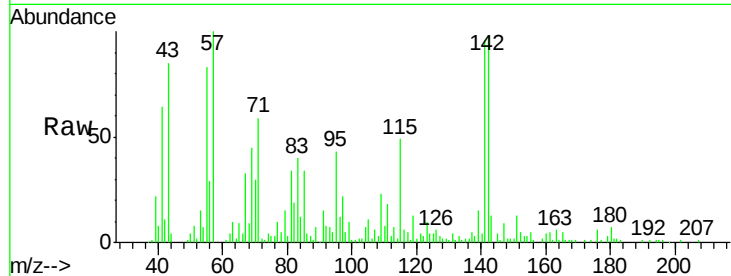
141 98.0 68.6 102.8

Manual Integrations

APPROVED

Sohil

8/28/2017 3:16:54 PM



#44

Dimethylphthalate

Concen: 16.187 ng/ul

RT: 14.39 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BG028504.D

Acq: 25 Aug 2017 23:40

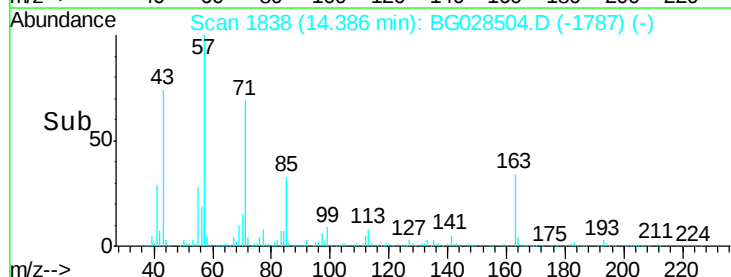
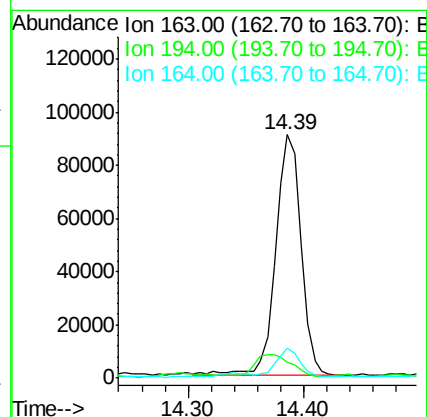
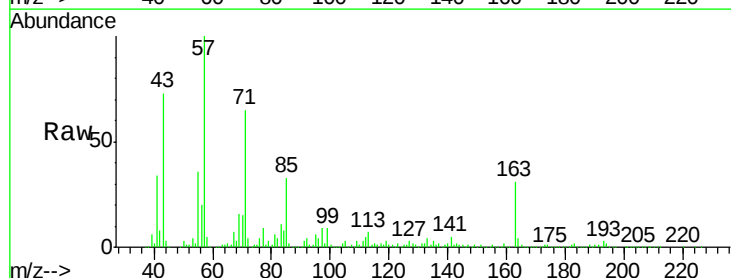
Tgt Ion:163 Resp: 138628

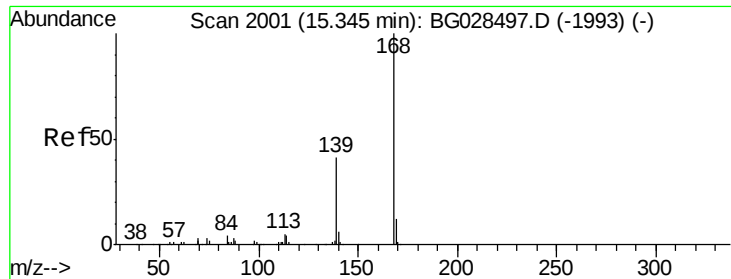
Ion Ratio Lower Upper

163 100

194 6.5 3.4 5.0#

164 12.5 9.0 13.4





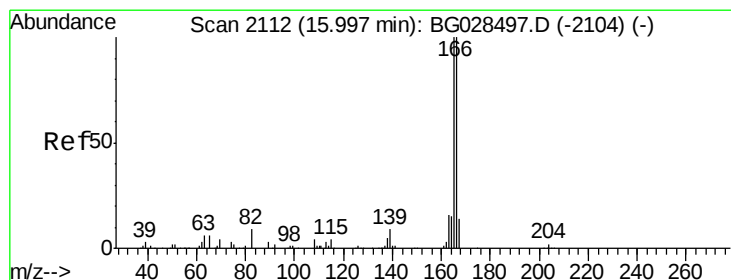
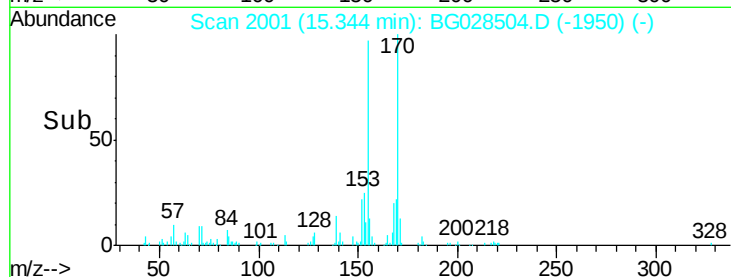
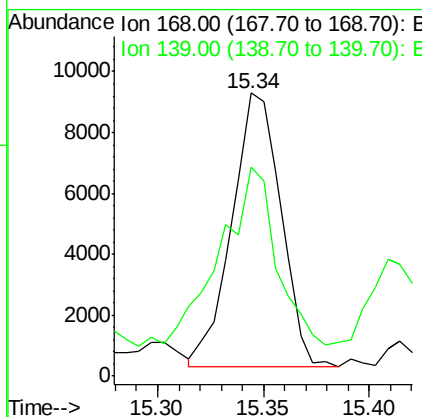
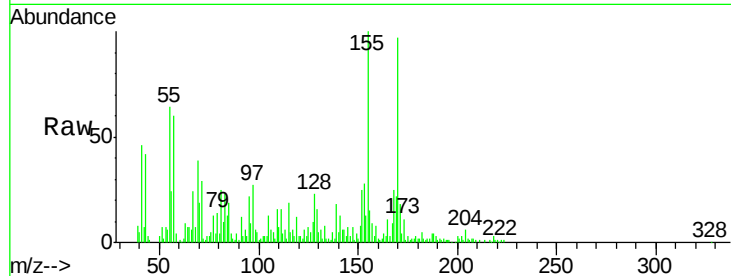
#53  
Dibenzo(f,h)quinoxaline  
Concen: 1.462 ng/ul  
RT: 15.34 min Scan# 2001  
Delta R.T. -0.00 min  
Lab File: BG028504.D  
Acq: 25 Aug 2017 23:40

Instrument :  
BNA\_G  
ClientSampled :  
B0AQ2

Tgt Ion:168 Resp: 14414  
Ion Ratio Lower Upper  
168 100  
139 73.8 33.8 50.8#

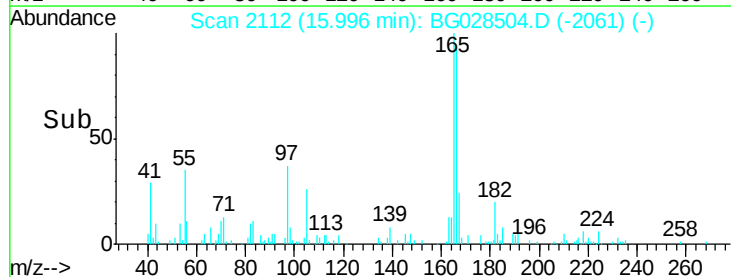
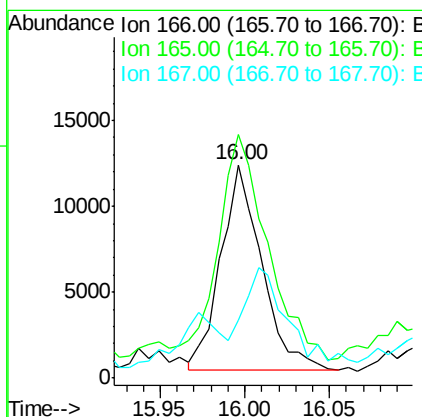
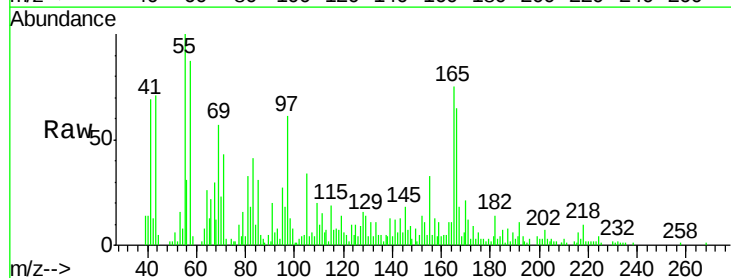
Manual Integrations  
APPROVED

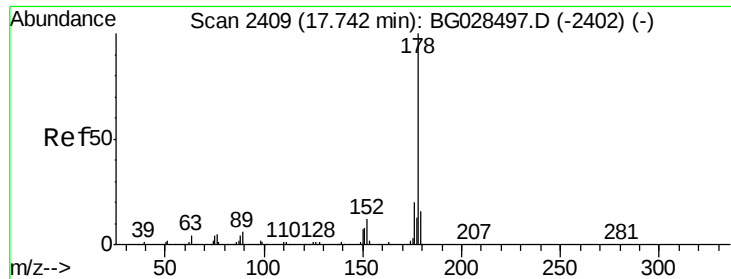
Sohil  
8/28/2017 3:16:54 PM



#58  
Fluorene  
Concen: 2.314 ng/ul  
RT: 16.00 min Scan# 2112  
Delta R.T. -0.00 min  
Lab File: BG028504.D  
Acq: 25 Aug 2017 23:40

Tgt Ion:166 Resp: 20194  
Ion Ratio Lower Upper  
166 100  
165 114.2 79.7 119.5  
167 27.1 11.4 17.2#





#69

Phenanthrene

Concen: 2.062 ng/ul m

RT: 17.74 min Scan# 2409

Delta R.T. -0.00 min

Lab File: BG028504.D

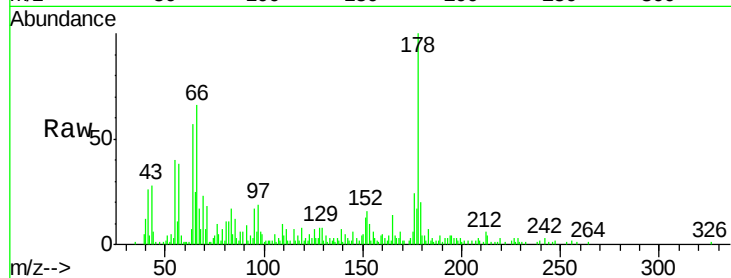
Acq: 25 Aug 2017 23:40

Instrument :

BNA\_G

ClientSampleId :

B0AQ2



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 19.5  | 12.4  | 18.6# |
| 176     | 23.7  | 16.5  | 24.7  |

Manual Integrations  
APPROVED

Sohil  
8/28/2017 3:16:54 PM

