

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\  
 Data File : BG029103.D  
 Acq On : 9 Oct 2017 12:00  
 Operator : SJ/JU  
 Sample : I5577-08  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DAH80

Manual Integrations  
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Sohil  
 10/10/2017 5:03:21 PM

Quant Time: Oct 10 04:55:16 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 10 04:45:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.21  | 152  | 48336    | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.03 | 136  | 220657   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.82 | 164  | 152566   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.56 | 188  | 334433   | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.84 | 240  | 347905   | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 25.18 | 264  | 349962   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 14.52 | 160  | 432510   | 27.26  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.81 | 176  | 322551   | 28.03  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.66 | 188  | 449798   | 27.77  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 19.93 | 212  | 517832   | 29.09  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.95 | 264  | 473860   | 28.26  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 4) 2-Methylnaphthalene      | 12.67 | 142  | 10582    | 1.214  | ng/ul  | 87       |
| 13) Phenanthrene            | 17.60 | 178  | 122108   | 6.845  | ng/ul  | 99       |
| 16) Fluoranthene            | 19.60 | 202  | 222461   | 10.638 | ng/ul# | 90       |
| 19) Pyrene                  | 19.96 | 202  | 178768   | 8.243  | ng/ul# | 94       |
| 20) Benzo(a)anthracene      | 21.82 | 228  | 108401   | 5.291  | ng/ul  | 92       |
| 21) Chrysene                | 21.88 | 228  | 108327   | 5.774  | ng/ul  | 98       |
| 23) Benzo(b)fluoranthene    | 24.12 | 252  | 163584m  | 7.814  | ng/ul  |          |
| 24) Benzo(k)fluoranthene    | 24.18 | 252  | 49994    | 2.447  | ng/ul  | 94       |
| 26) Benzo(a)pyrene          | 25.02 | 252  | 96261    | 4.734  | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 29.00 | 276  | 79290    | 3.436  | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 30.20 | 276  | 66709    | 3.505  | ng/ul  | 94       |

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

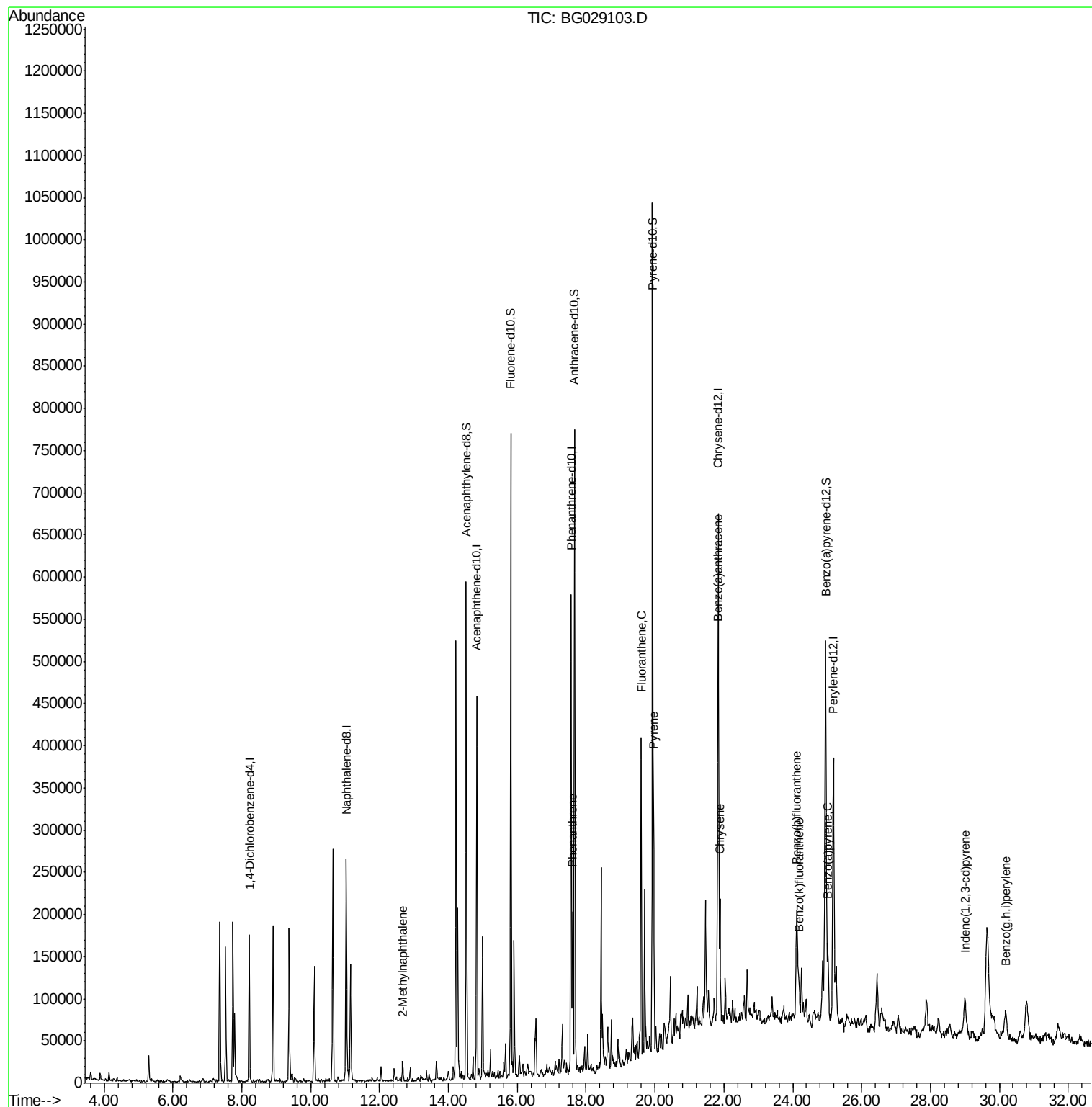
Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\  
Data File : BG029103.D  
Acq On : 9 Oct 2017 12:00  
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Misc :  
ALS Vial : 3 Sample Multiplier: 1

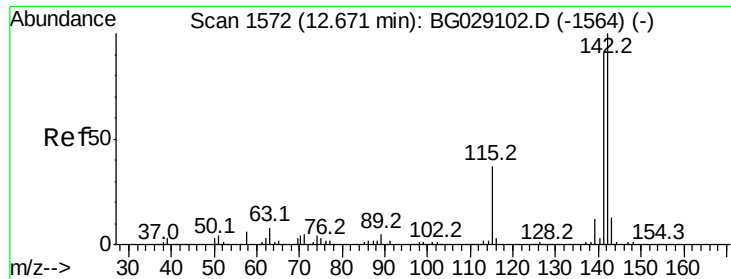
Instrument :  
BNA\_G  
ClientSampleId :  
DAH80

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Quant Time: Oct 10 04:55:16 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 10 04:45:55 2017  
Response via : Initial Calibration





#4

2-Methylnaphthalene

Concen: 1.214 ng/ul

RT: 12.67 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

Instrument :

BNA\_G

ClientSampleId :

DAH80

Tot Ion:142 Resp: 10582

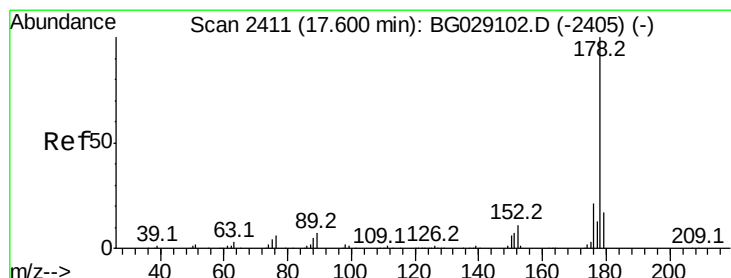
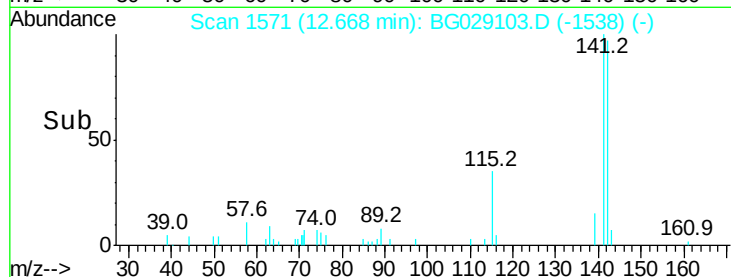
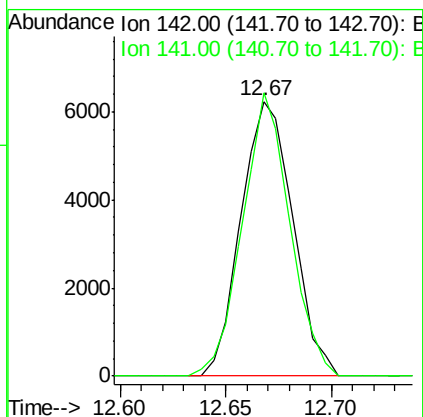
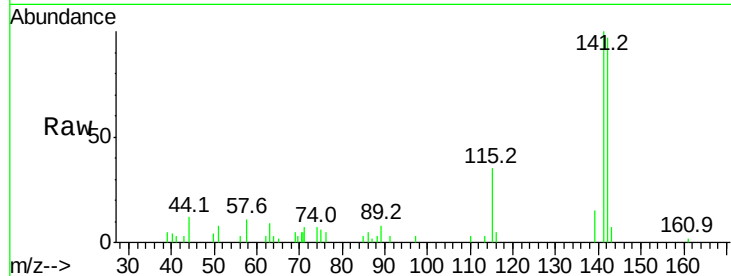
Ion Ratio Lower Upper

142 100

141 103.0 72.7 109.1

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#13

Phenanthrene

Concen: 6.845 ng/ul

RT: 17.60 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

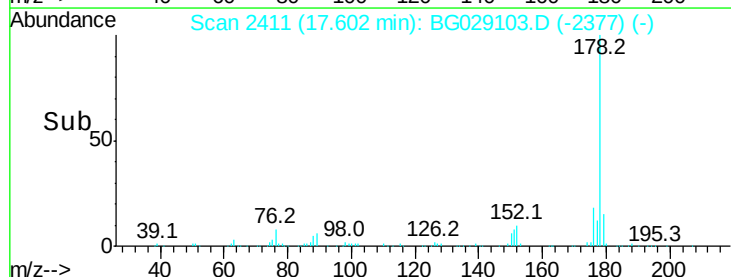
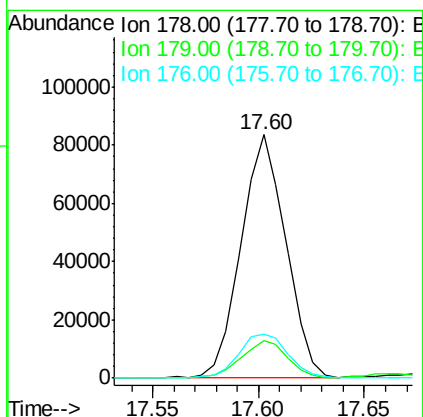
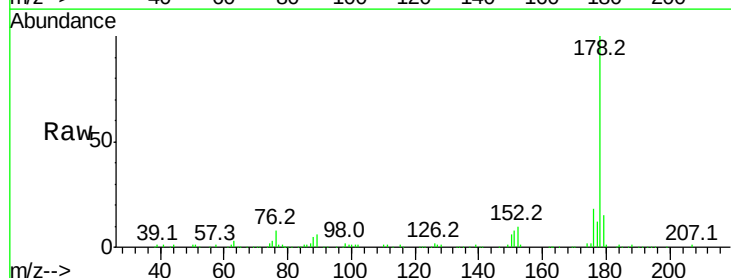
Tgt Ion:178 Resp: 122108

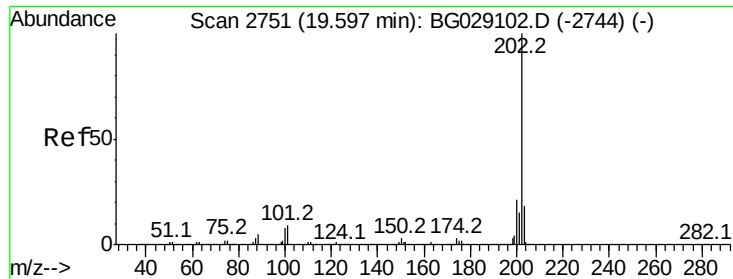
Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

176 18.1 15.1 22.7





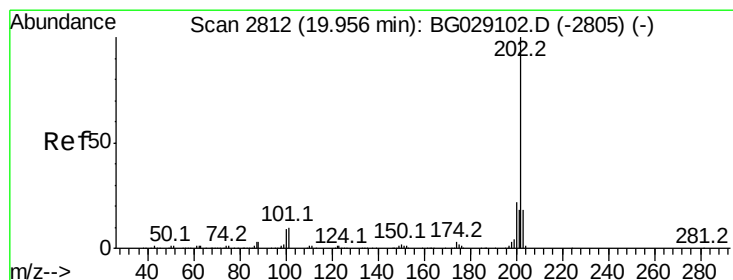
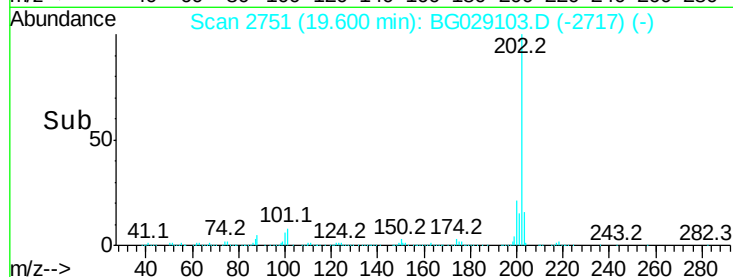
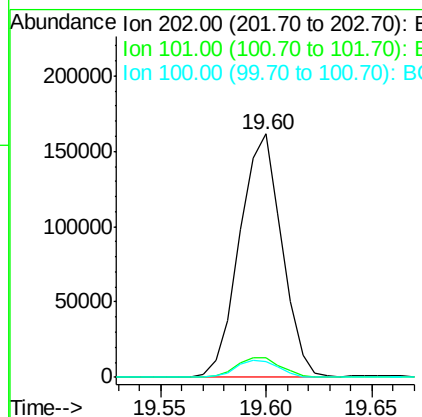
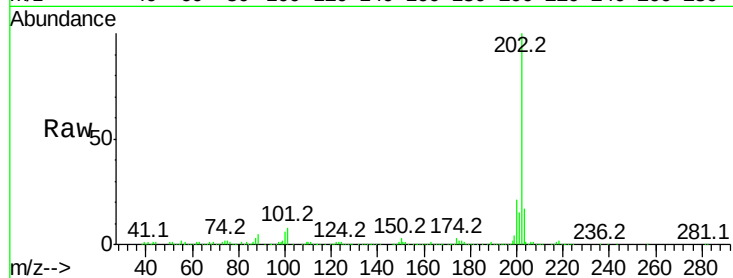
#16  
Fluoranthene  
Concen: 10.638 ng/ul  
RT: 19.60 min Scan# 2751  
Delta R.T. 0.00 min  
Lab File: BG029103.D  
Acq: 9 Oct 2017 12:00

Instrument :  
BNA\_G  
ClientSampleId :  
DAH80

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 7.9   | 9.9        | 14.9# |
| 100     | 6.3   | 7.4        | 11.0# |

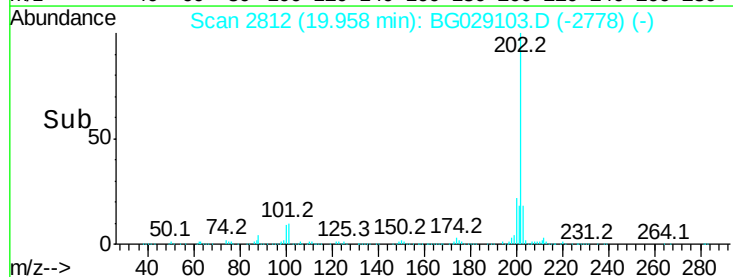
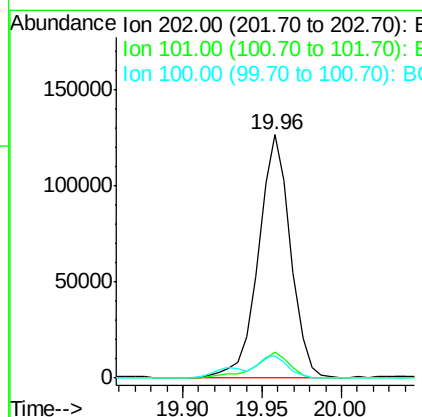
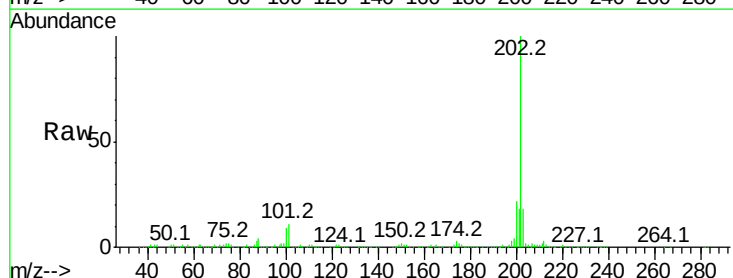
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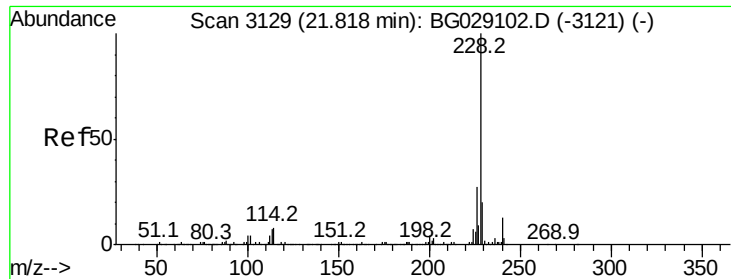
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#19  
Pyrene  
Concen: 8.243 ng/ul  
RT: 19.96 min Scan# 2812  
Delta R.T. 0.00 min  
Lab File: BG029103.D  
Acq: 9 Oct 2017 12:00

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 10.5  | 11.0       | 16.4# |
| 100     | 9.0   | 8.1        | 12.1  |





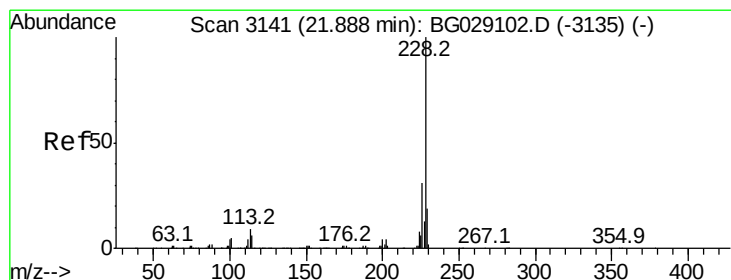
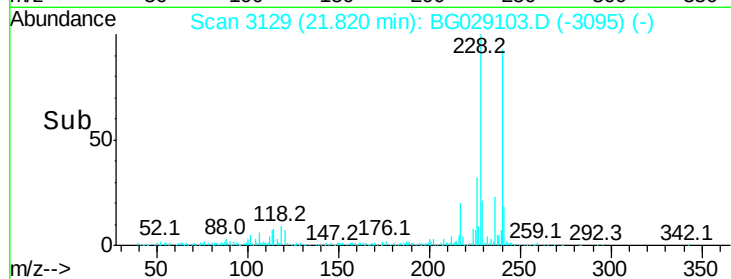
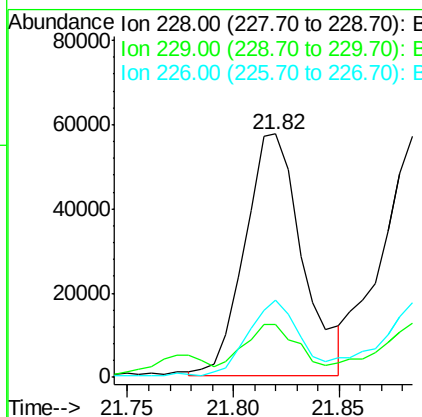
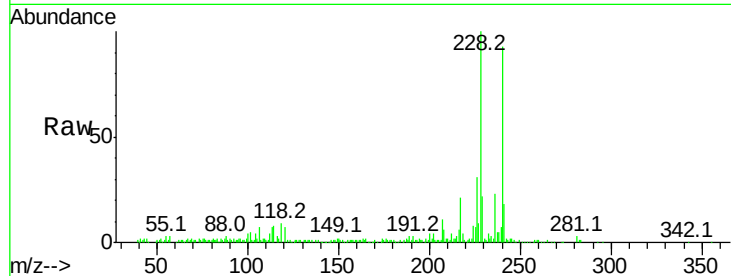
#20  
Benzo(a)anthracene  
Concen: 5.291 ng/ul  
RT: 21.82 min Scan# 3129  
Delta R.T. 0.00 min  
Lab File: BG029103.D  
Acq: 9 Oct 2017 12:00

Instrument :  
BNA\_G  
ClientSampleId :  
DAH80

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 22.0  | 15.7  | 23.5  |
| 226     | 31.5  | 21.1  | 31.7  |

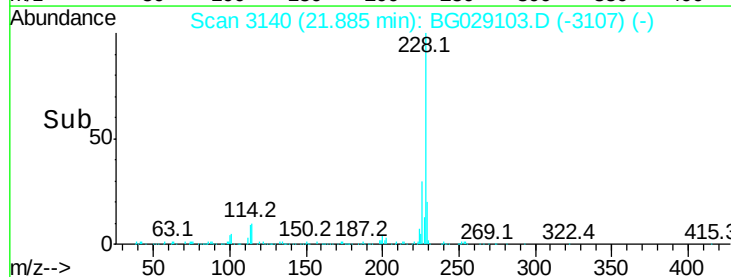
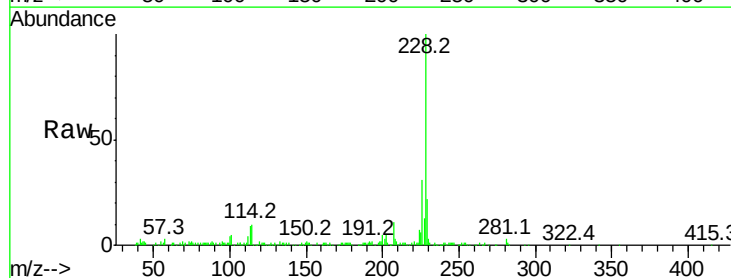
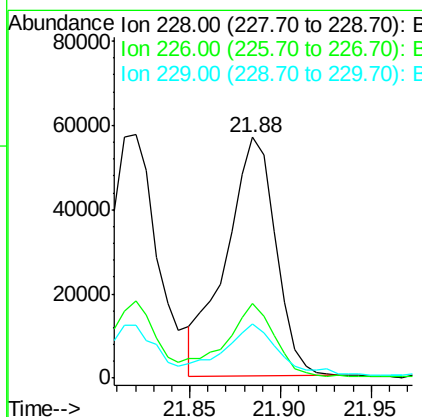
Manual Integrations  
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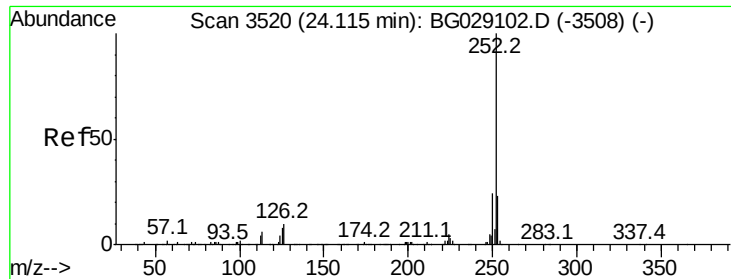
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#21  
Chrysene  
Concen: 5.774 ng/ul  
RT: 21.88 min Scan# 3140  
Delta R.T. -0.00 min  
Lab File: BG029103.D  
Acq: 9 Oct 2017 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 24.5  | 36.7  |
| 229     | 22.4  | 15.8  | 23.8  |





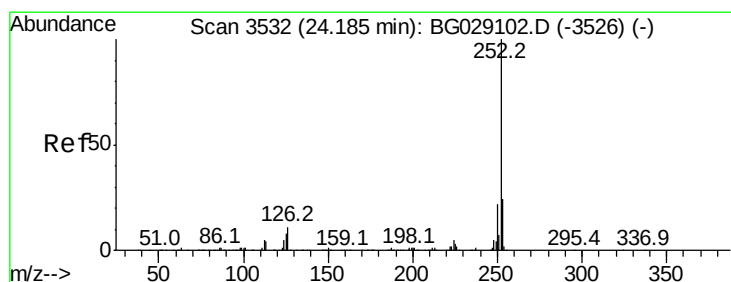
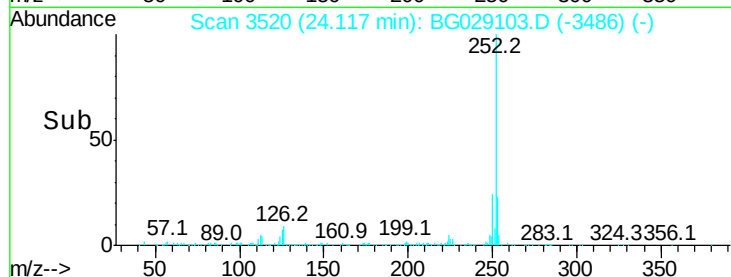
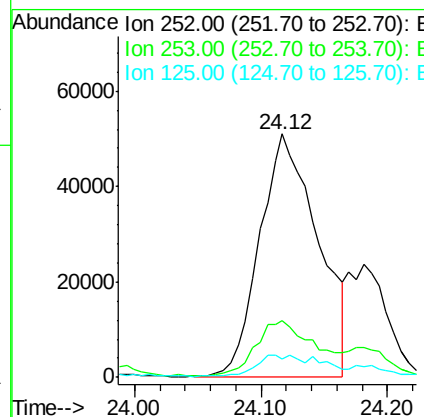
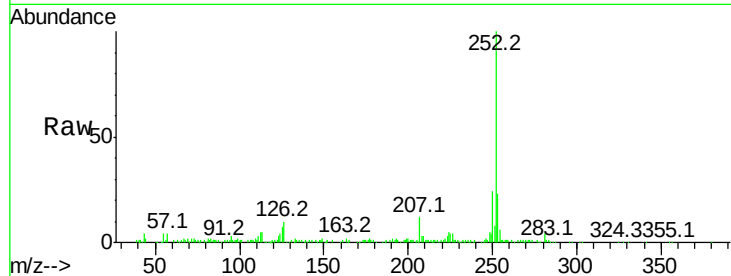
#23  
Benzo(b)fluoranthene  
Concen: 7.814 ng/ul m  
RT: 24.12 min Scan# 3520  
Delta R.T. 0.00 min  
Lab File: BG029103.D  
Acq: 9 Oct 2017 12:00

Instrument :  
BNA\_G  
ClientSampleId :  
DAH80

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 163584 |       |       |
| 253     | 23.2  | 18.0   | 27.0  |       |
| 125     | 7.4   | 8.0    | 12.0  |       |

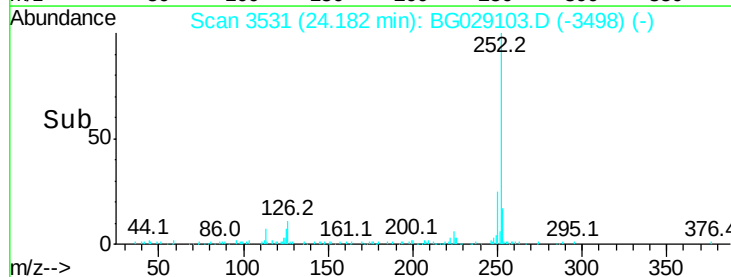
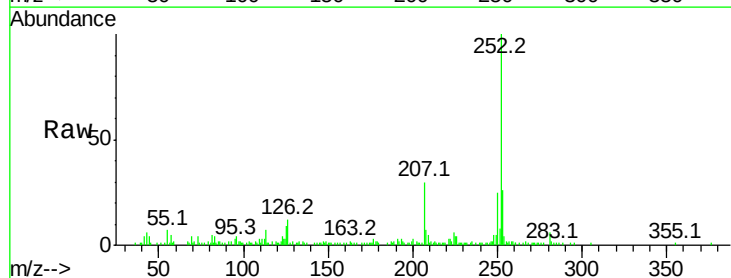
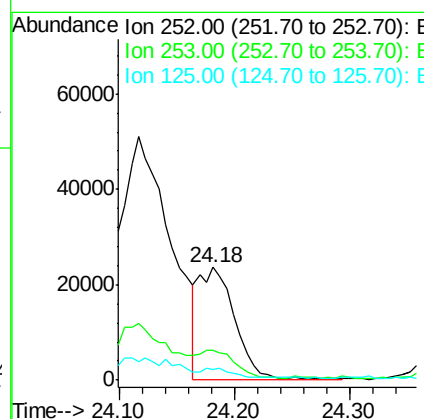
Manual Integrations  
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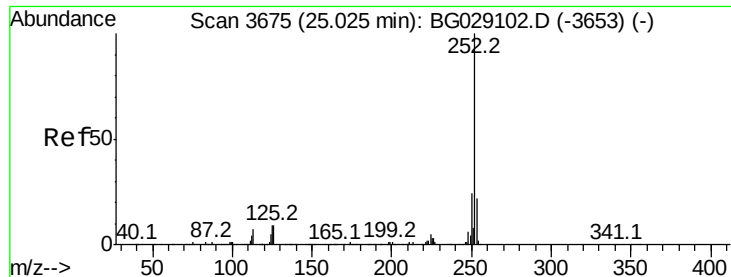
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#24  
Benzo(k)fluoranthene  
Concen: 2.447 ng/ul  
RT: 24.18 min Scan# 3531  
Delta R.T. -0.00 min  
Lab File: BG029103.D  
Acq: 9 Oct 2017 12:00

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 49994 |       |       |
| 253     | 26.2  | 18.0  | 27.0  |       |
| 125     | 9.3   | 8.1   | 12.1  |       |





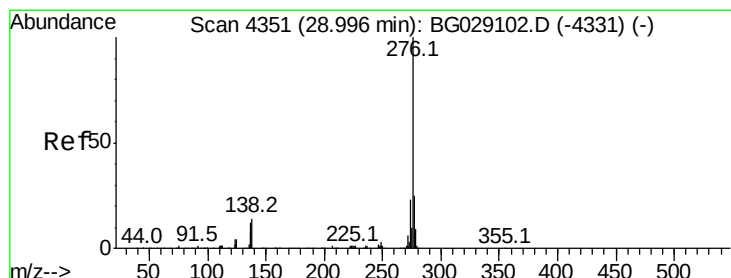
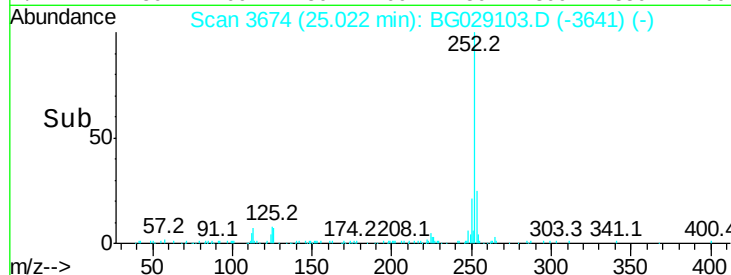
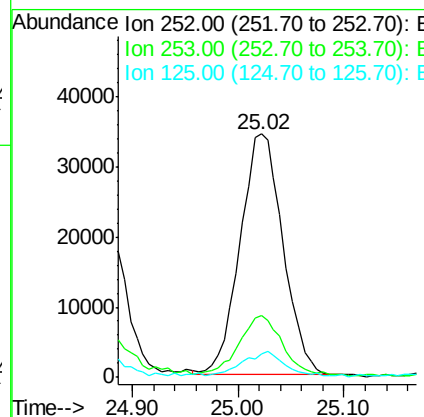
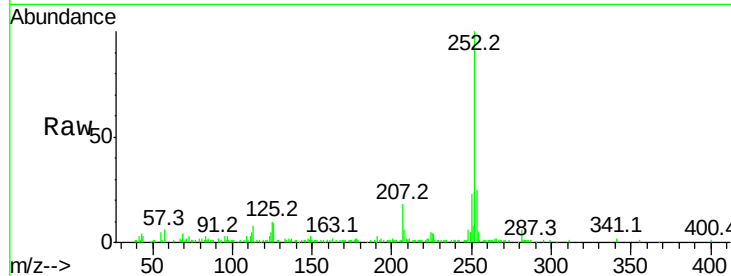
#26  
Benzo(a)pyrene  
Concen: 4.734 ng/ul  
RT: 25.02 min Scan# 3674  
Delta R.T. -0.00 min  
Lab File: BG029103.D  
Acq: 9 Oct 2017 12:00

Instrument :  
BNA\_G  
ClientSampleId :  
DAH80

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 25.3  | 17.2       | 25.8  |
| 125     | 9.6   | 8.2        | 12.4  |

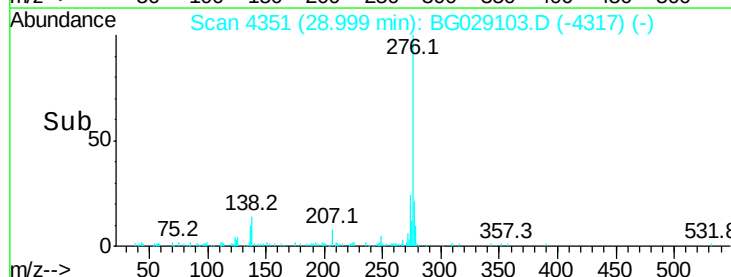
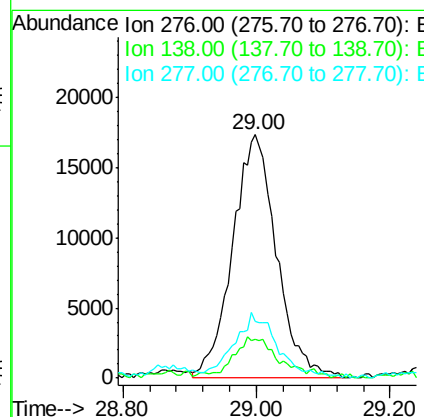
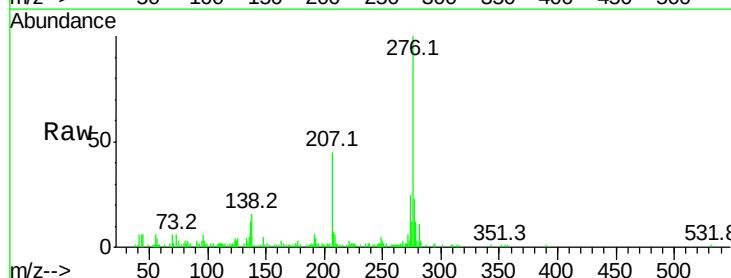
Manual Integrations  
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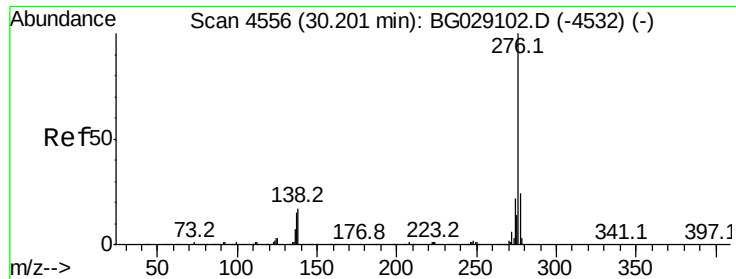
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#27  
Indeno(1,2,3-cd)pyrene  
Concen: 3.436 ng/ul  
RT: 29.00 min Scan# 4351  
Delta R.T. 0.00 min  
Lab File: BG029103.D  
Acq: 9 Oct 2017 12:00

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 16.1  | 14.4       | 21.6  |
| 277     | 23.2  | 18.0       | 27.0  |





#29

Benzo(a,h,i)perylene

Concen: 3.505 ng/ul

RT: 30.20 min Scan# 4555

Delta R.T. -0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

Instrument :

BNA\_G

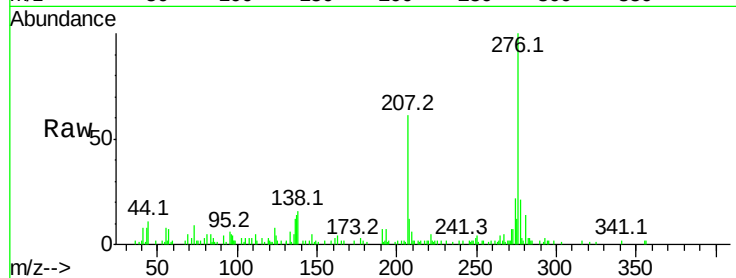
ClientSampleId :

DAH80

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 66709 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 16.0  | 15.3  | 22.9  |
| 277       | 20.7  | 19.0  | 28.4  |

Manual Integrations  
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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

