

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082317\  
 Data File : BG028451.D  
 Acq On : 23 Aug 2017 15:24  
 Operator : SJ/JU  
 Sample : I4827-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0AA4

Manual Integrations  
 APPROVED

Sohil  
 8/24/2017 4:38:35 PM

Quant Time: Aug 24 05:05:38 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 24 01:29:02 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.35  | 152  | 46040    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.17 | 136  | 198873   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.96 | 164  | 124330   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.71 | 188  | 270161   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.04 | 240  | 308141   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.57 | 264  | 275349   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.83  | 96  | 2705   | 2.74  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.50  | 99  | 77673  | 15.36 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.66  | 67  | 47474  | 14.83 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.88  | 132 | 59706  | 18.72 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.05  | 113 | 61754  | 14.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.52  | 128 | 31098  | 20.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.24 | 143 | 36425  | 21.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.79 | 165 | 69512  | 19.70 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.30 | 131 | 43648  | 11.12 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.35 | 166 | 218434 | 19.75 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 254061 | 20.38 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.16 | 143 | 22734  | 12.93 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.94 | 176 | 182727 | 18.42 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 16176  | 9.22  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.81 | 188 | 286072 | 22.08 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.08 | 212 | 322373 | 20.40 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.32 | 264 | 295615 | 22.93 | ng/ul | 0.02 |

## Target Compounds

|                          |       |     |        |       | Qvalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 6) Phenol                | 7.53  | 94  | 8530   | 1.697 | ng/ul# | 85 |
| 28) Naphthalene          | 11.21 | 128 | 15438  | 1.567 | ng/ul# | 94 |
| 34) 2-Methylnaphthalene  | 12.79 | 142 | 13716  | 1.734 | ng/ul  | 81 |
| 44) Dimethylphthalate    | 14.39 | 163 | 77216  | 7.584 | ng/ul# | 97 |
| 69) Phenanthrene         | 17.75 | 178 | 22707  | 1.670 | ng/ul  | 96 |
| 74) Fluoranthene         | 19.75 | 202 | 26523  | 1.605 | ng/ul# | 96 |
| 77) Pyrene               | 20.11 | 202 | 34276  | 1.864 | ng/ul# | 96 |
| 82) Chrysene             | 22.08 | 228 | 32078  | 2.001 | ng/ul# | 92 |
| 85) Benzo(b)fluoranthene | 24.43 | 252 | 28146m | 1.708 | ng/ul  |    |
| 88) Benzo(a)pyrene       | 25.40 | 252 | 16167  | 1.013 | ng/ul# | 52 |

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

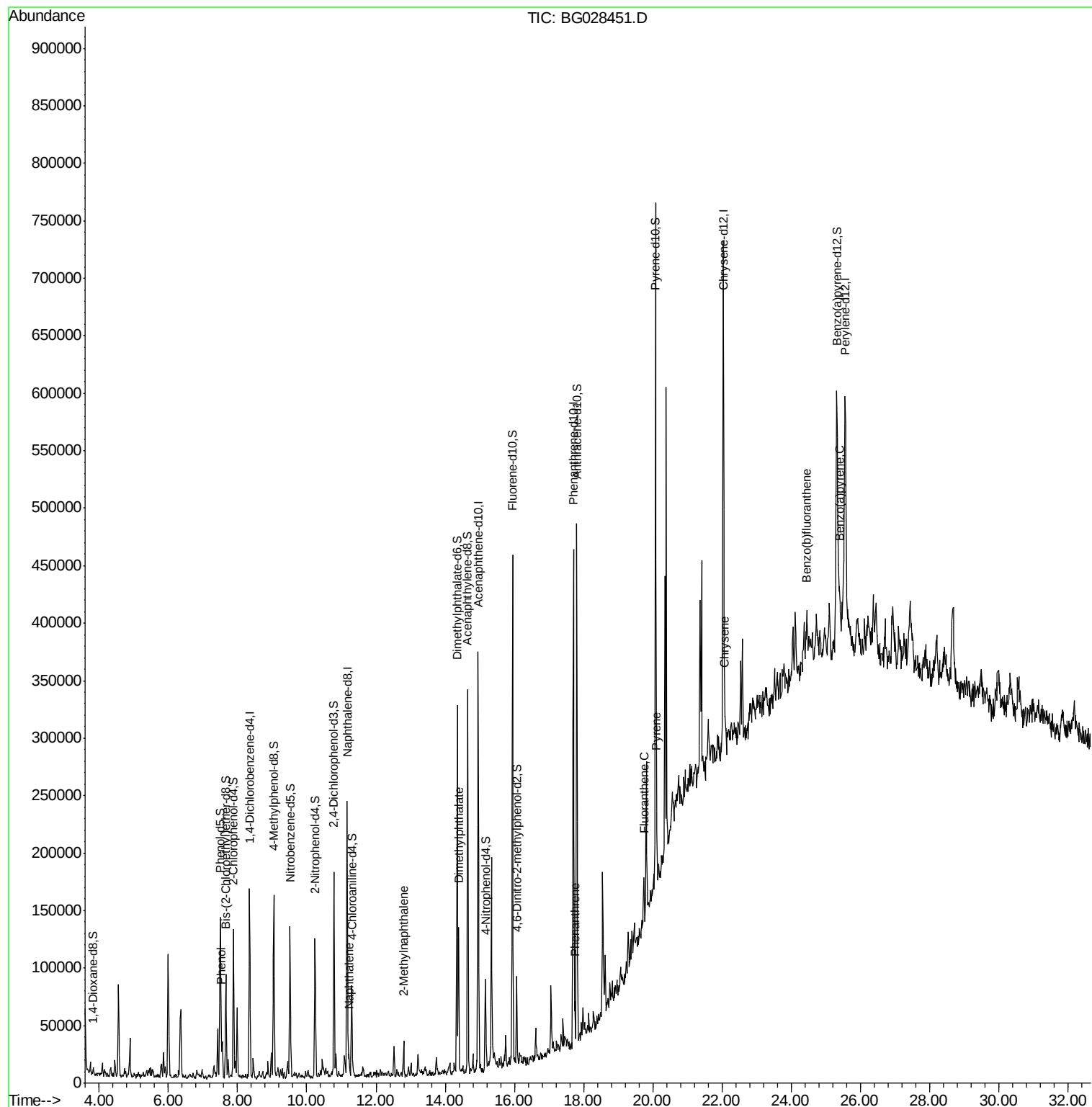
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082317\  
Data File : BG028451.D  
Acq On : 23 Aug 2017 15:24  
Operator : SJ/JU  
Sample : I4827-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

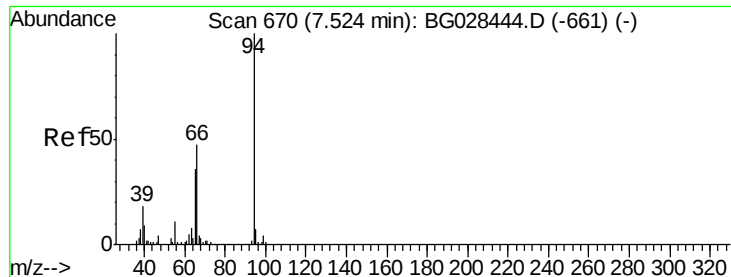
Instrument :  
BNA\_G  
ClientSampleId :  
B0AA4

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Quant Time: Aug 24 05:05:38 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 24 01:29:02 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 1.697 ng/ul

RT: 7.53 min Scan# 671

Delta R.T. 0.01 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

Instrument :

BNA\_G

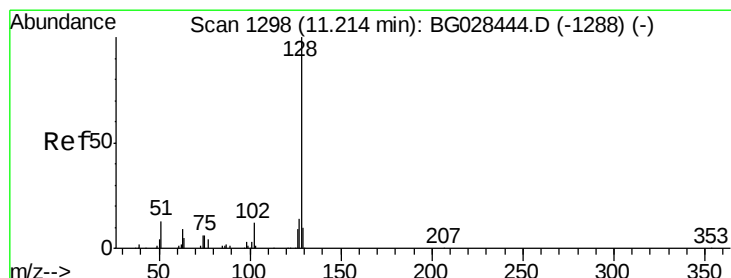
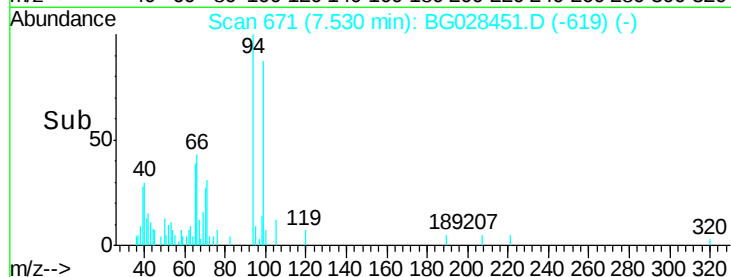
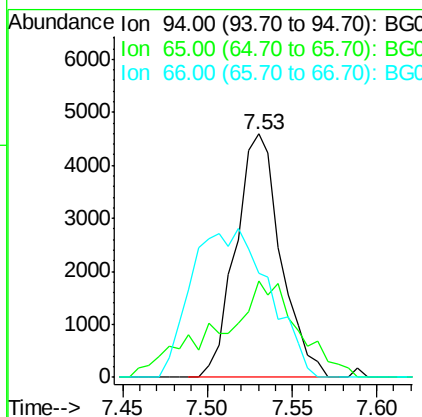
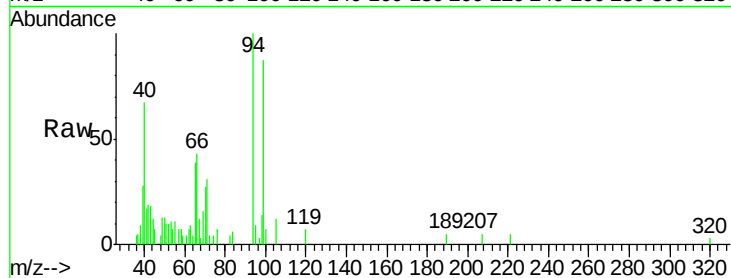
ClientSampleId :

B0AA4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 8530  |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 39.4  | 26.8  | 40.2  |
| 66        | 42.7  | 44.4  | 66.6# |

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#28

Naphthalene

Concen: 1.567 ng/ul

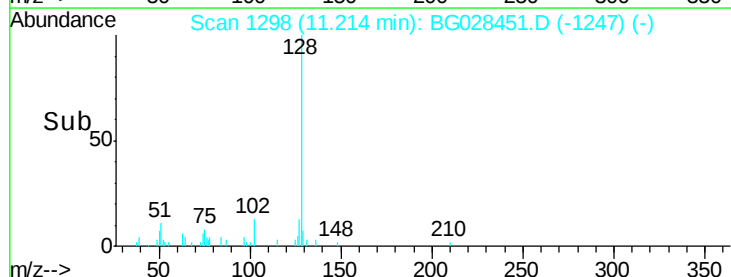
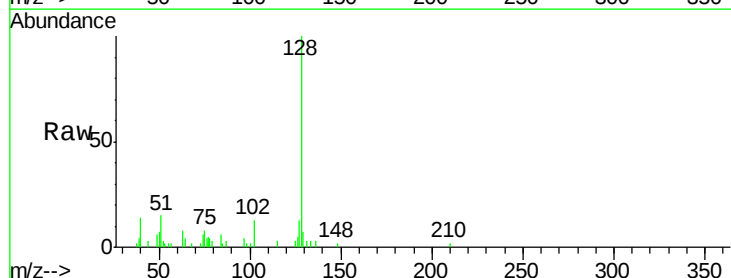
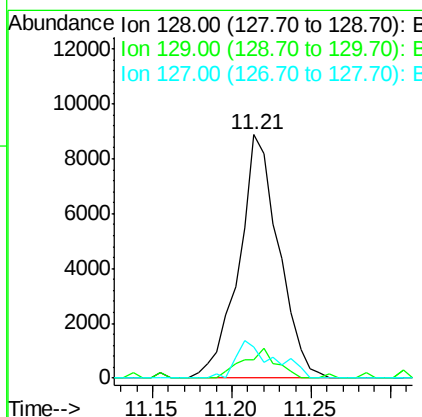
RT: 11.21 min Scan# 1298

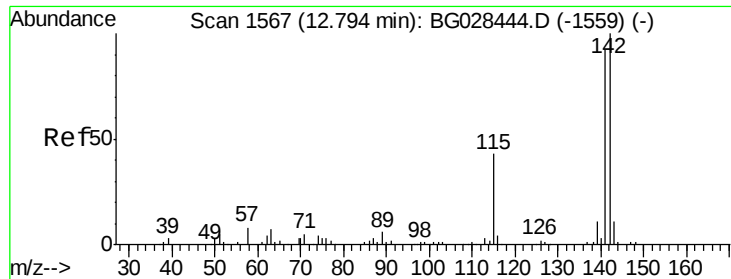
Delta R.T. 0.00 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 15438 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 7.5   | 9.4   | 14.2# |
| 127       | 12.7  | 10.3  | 15.5  |





#34

2-Methylnaphthalene

Concen: 1.734 ng/ul

RT: 12.79 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

Instrument :

BNA\_G

ClientSampled :

B0AA4

Tgt Ion:142 Resp: 13716

Ion Ratio Lower Upper

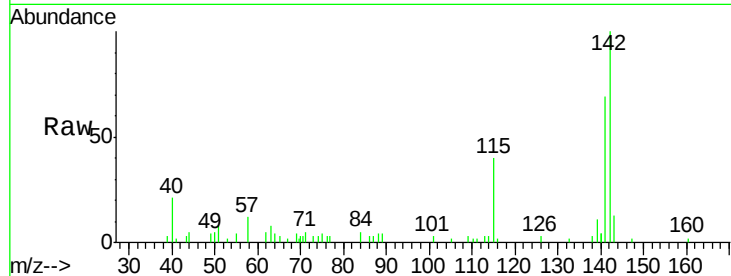
142 100

141 68.7 68.6 102.8

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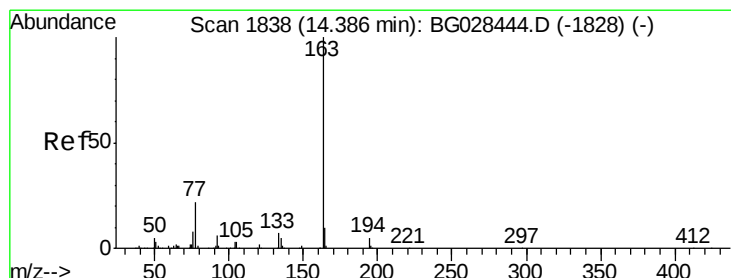
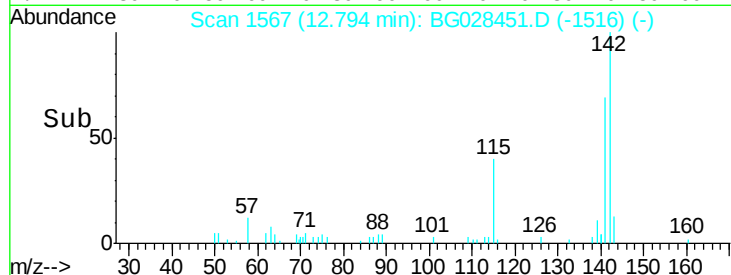
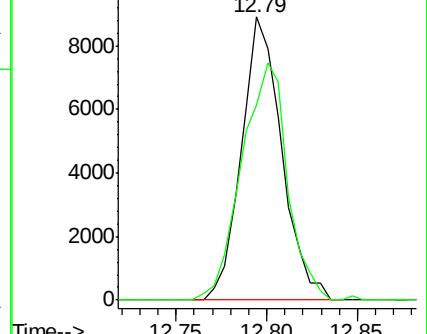
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 7.584 ng/ul

RT: 14.39 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

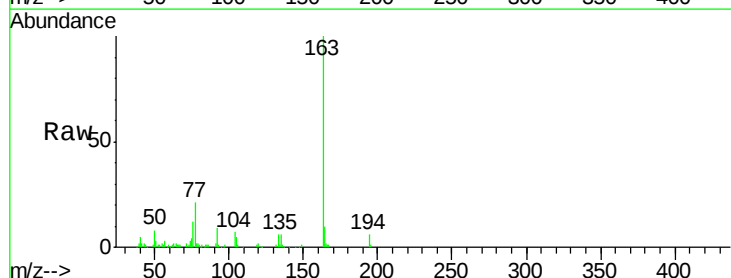
Tgt Ion:163 Resp: 77216

Ion Ratio Lower Upper

163 100

194 5.7 3.4 5.0#

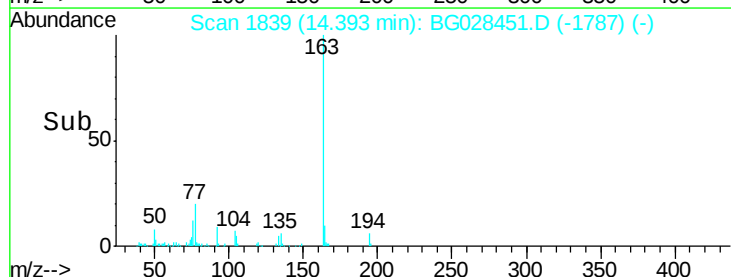
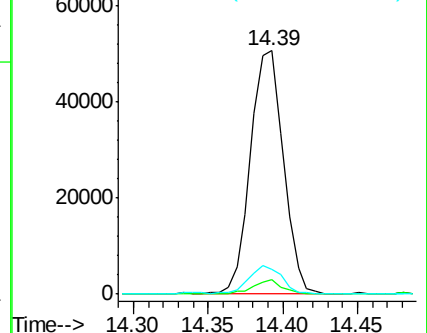
164 10.4 9.0 13.4

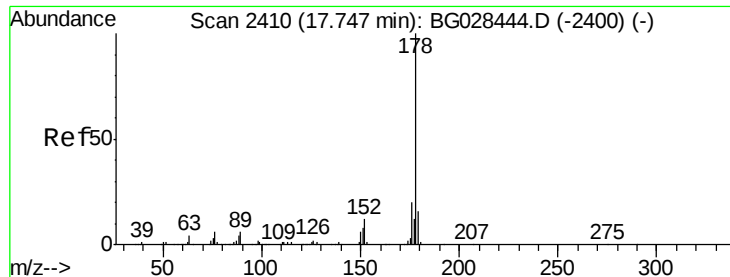


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#69

Phenanthrene

Concen: 1.670 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.00 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

Instrument :

BNA\_G

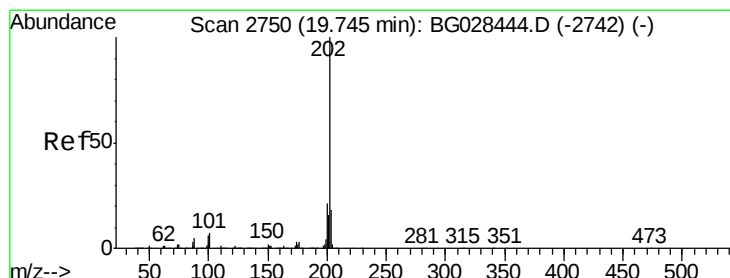
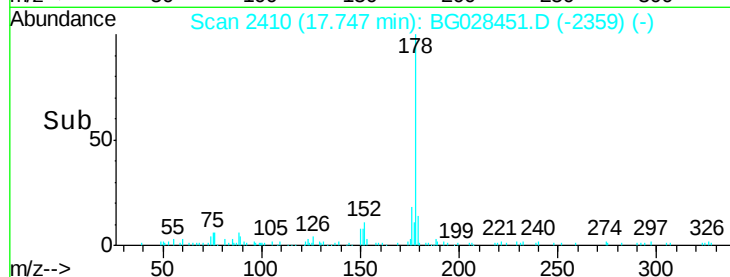
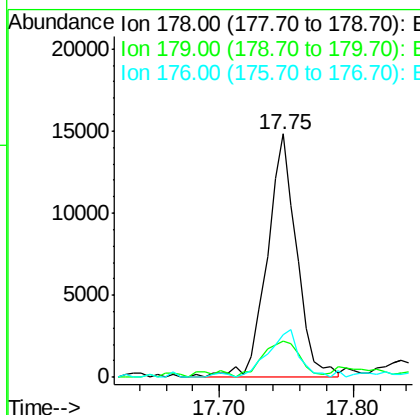
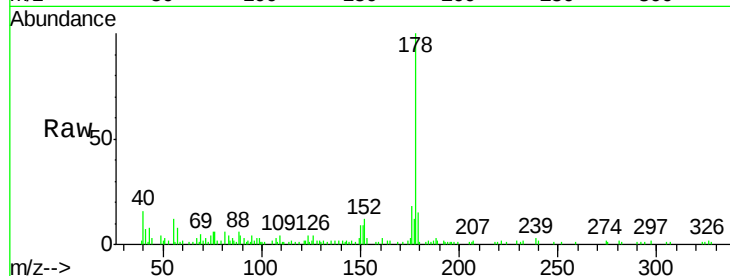
ClientSampleId :

B0AA4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 22707 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 14.8  | 12.4  | 18.6  |
| 176       | 17.6  | 16.5  | 24.7  |

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#74

Fluoranthene

Concen: 1.605 ng/ul

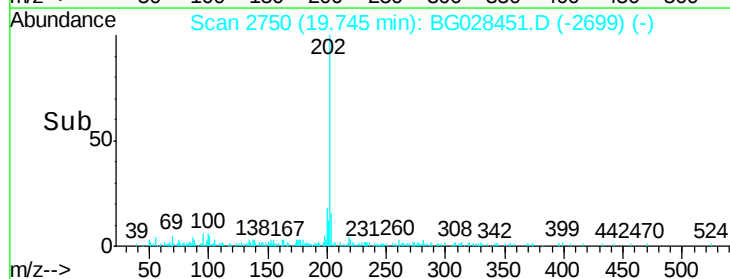
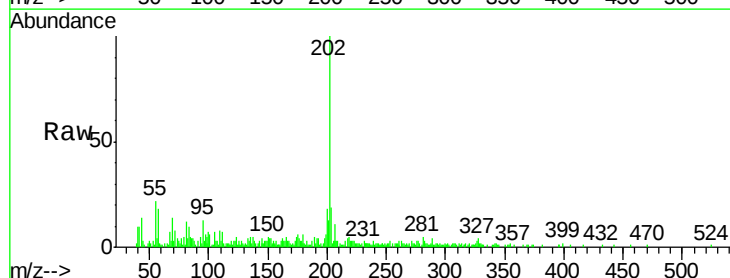
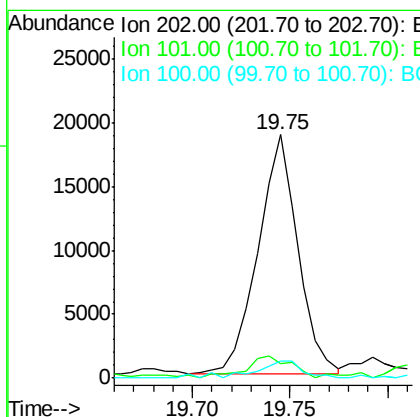
RT: 19.75 min Scan# 2750

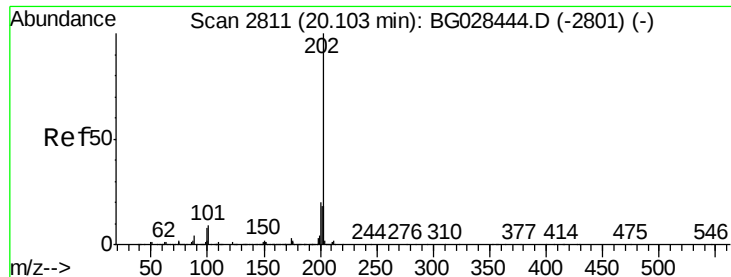
Delta R.T. 0.00 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 26523 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 5.8   | 6.2   | 9.2#  |
| 100       | 7.1   | 5.2   | 7.8   |





#77

Pyrene

Concen: 1.864 ng/ul

RT: 20.11 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

Instrument :

BNA\_G

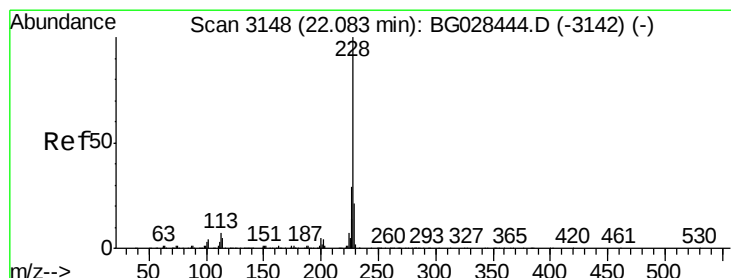
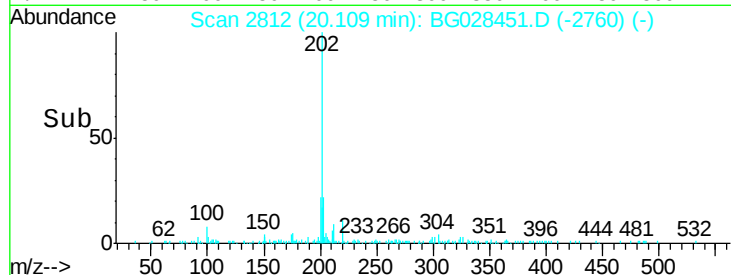
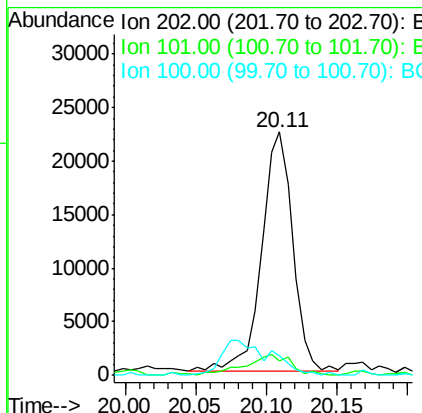
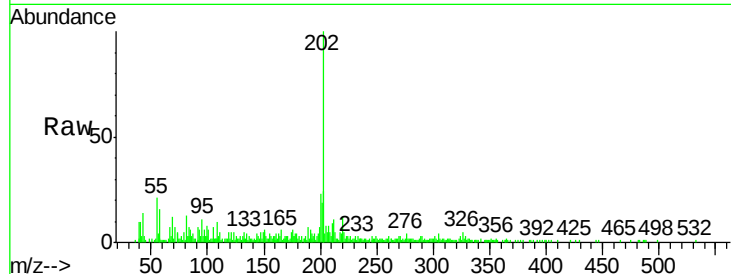
ClientSampleId :

B0AA4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 34276 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 6.2   | 6.9   | 10.3# |
| 100       | 7.9   | 6.6   | 10.0  |

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#82

Chrysene

Concen: 2.001 ng/ul

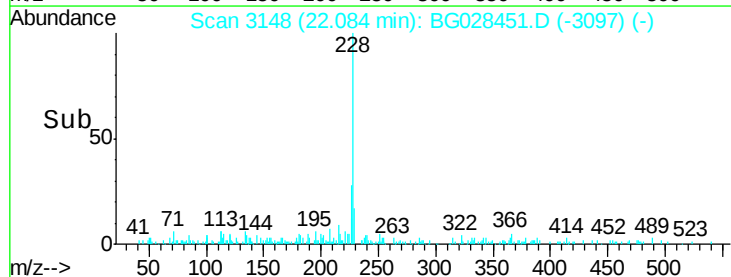
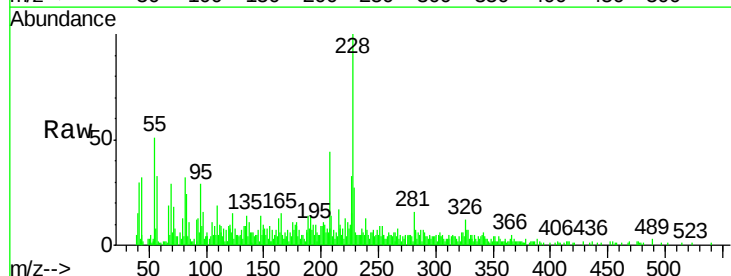
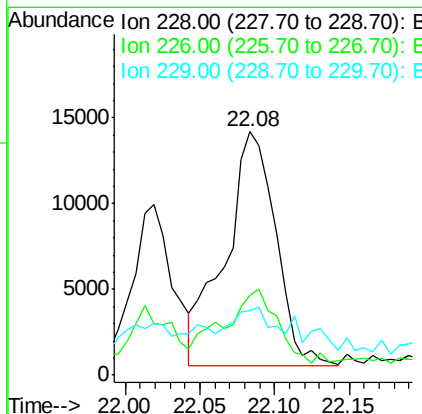
RT: 22.08 min Scan# 3148

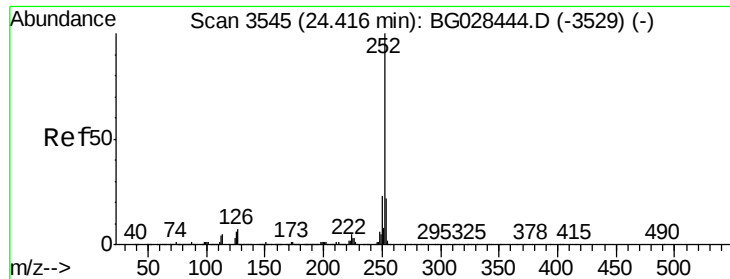
Delta R.T. 0.00 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 32078 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 32.6  | 24.0  | 36.0  |
| 229       | 26.5  | 16.9  | 25.3# |





#85

Benzo(b)fluoranthene

Concen: 1.708 ng/ul m

RT: 24.43 min Scan# 3548

Delta R.T. 0.02 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

Instrument :

BNA\_G

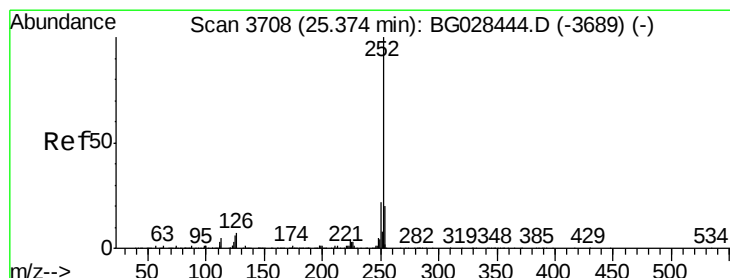
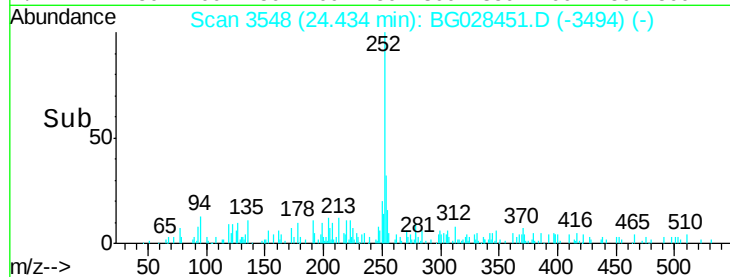
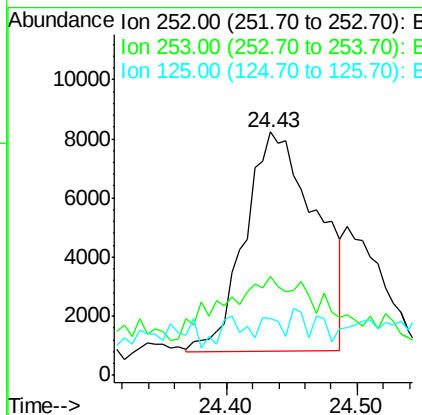
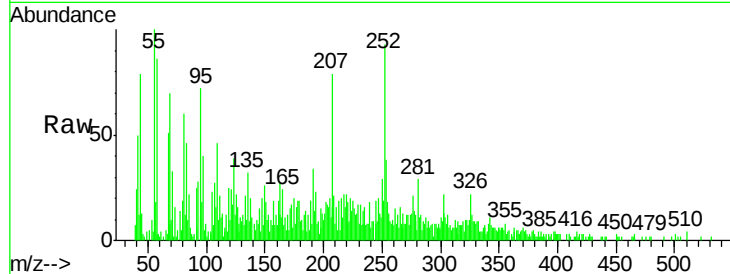
ClientSampled :

B0AA4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 28146 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 40.8  | 17.7  | 26.5# |
| 125       | 23.3  | 4.0   | 6.0#  |

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#88

Benzo(a)pyrene

Concen: 1.013 ng/ul

RT: 25.40 min Scan# 3712

Delta R.T. 0.02 min

Lab File: BG028451.D

Acq: 23 Aug 2017 15:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 16167 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 44.6  | 17.8  | 26.6# |
| 125       | 25.0  | 5.4   | 8.0#  |

