

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050917\

Quantitation Report (QT Reviewed)

Data File : BG026930.D

Acq On : 10 May 2017 2:53

Operator : SJ/MA

Sample : I2842-04

Misc :

ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 10 04:11:15 2017

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG042717.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed May 10 01:49:01 2017

Response via : Initial Calibration

Instrument :

BNA\_G

ClientSampleId :

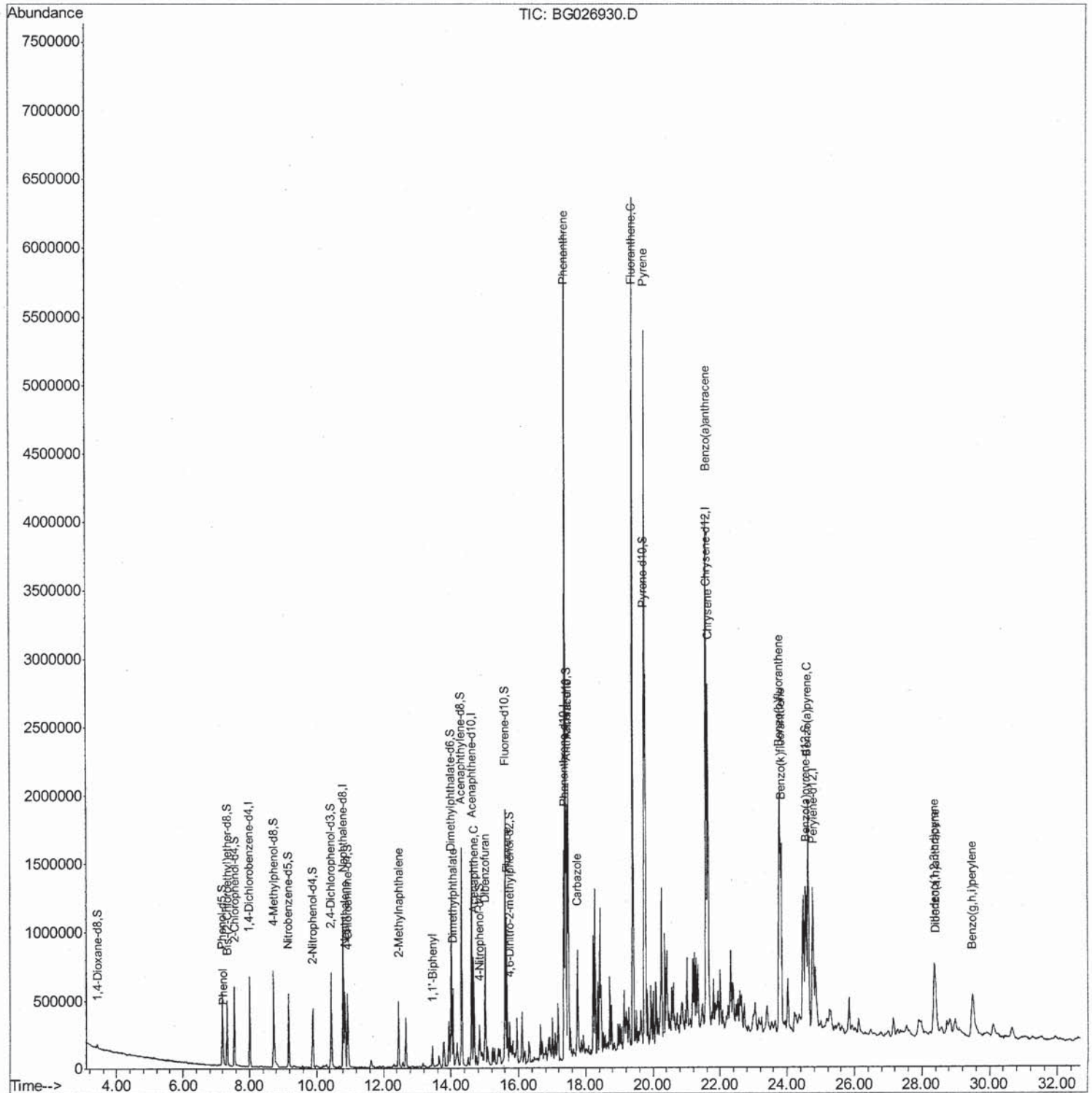
BDC45

Manual Integrations

APPROVED

mohammad

5/10/2017 11:50:32 AM



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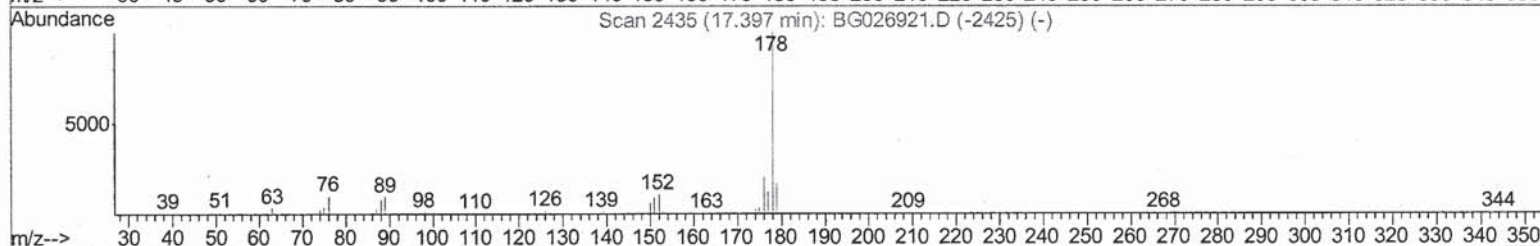
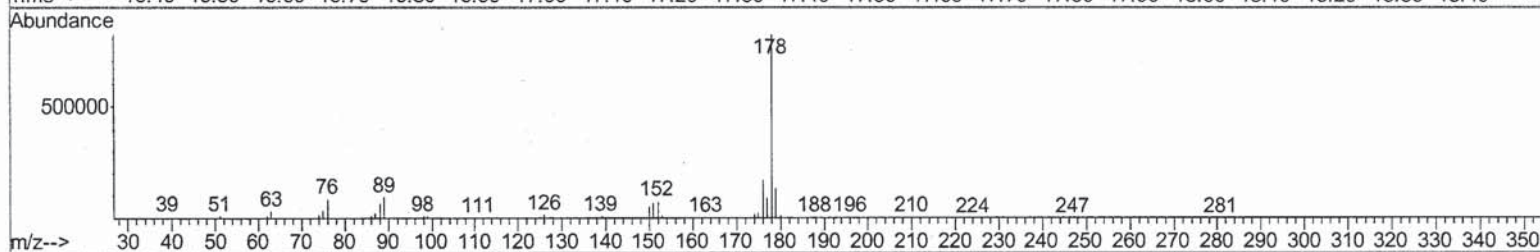
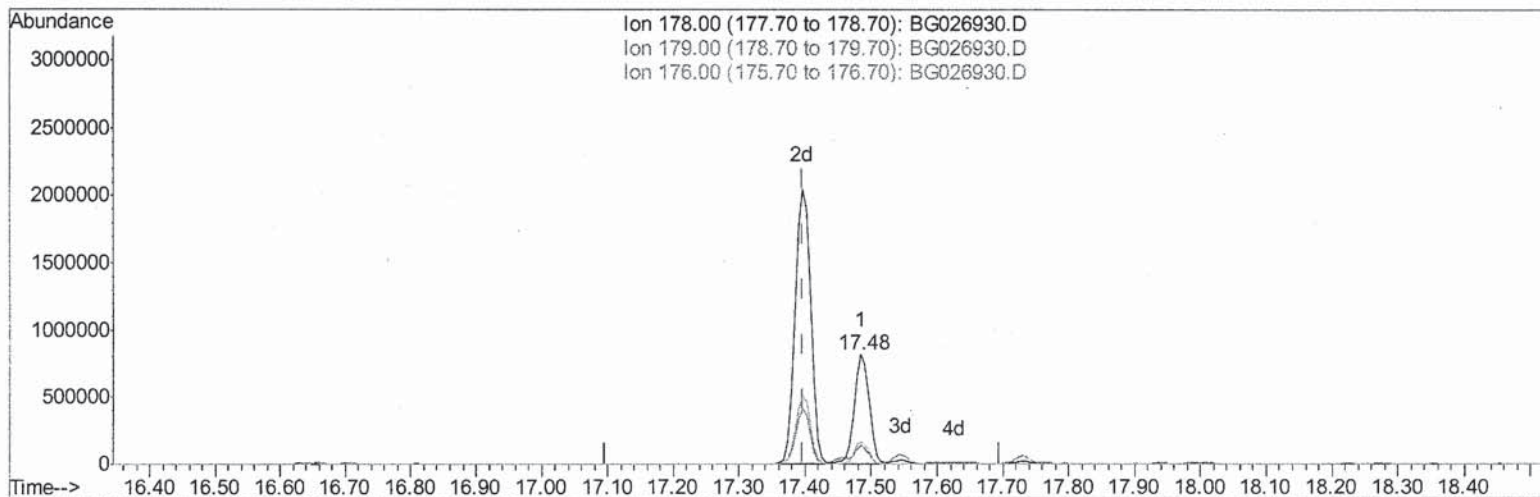
Quant Time: May 10 04:08:43 2017

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG042717.M

Quant Title : SVOA CALIBRATION

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TIC: BG026930.D

(69) Phenanthrene

17.485min (+0.088) 23.50ng/ul

response 1235447

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.50 | 16.60 |
| 176.00 | 20.60 | 20.33 |
| 0.00   | 0.00  | 0.00  |

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ClientSampleId :

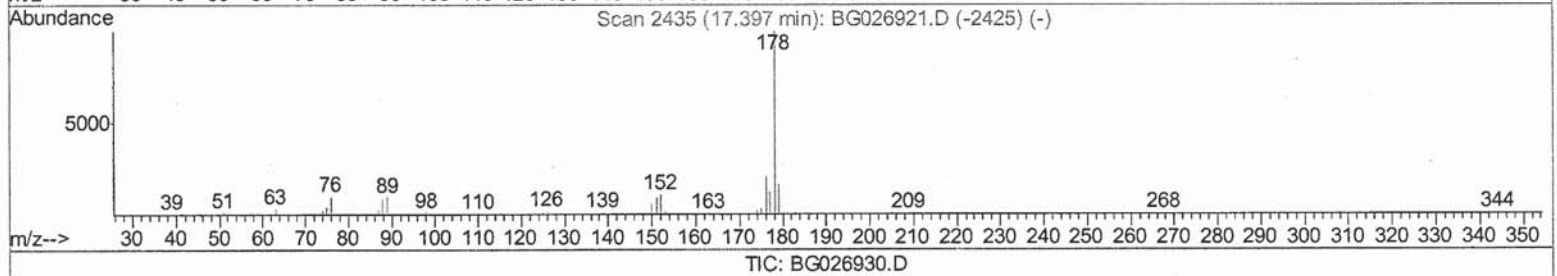
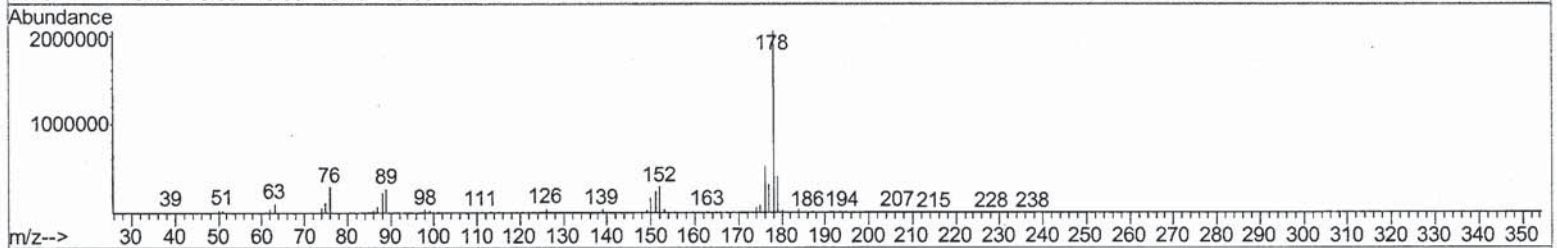
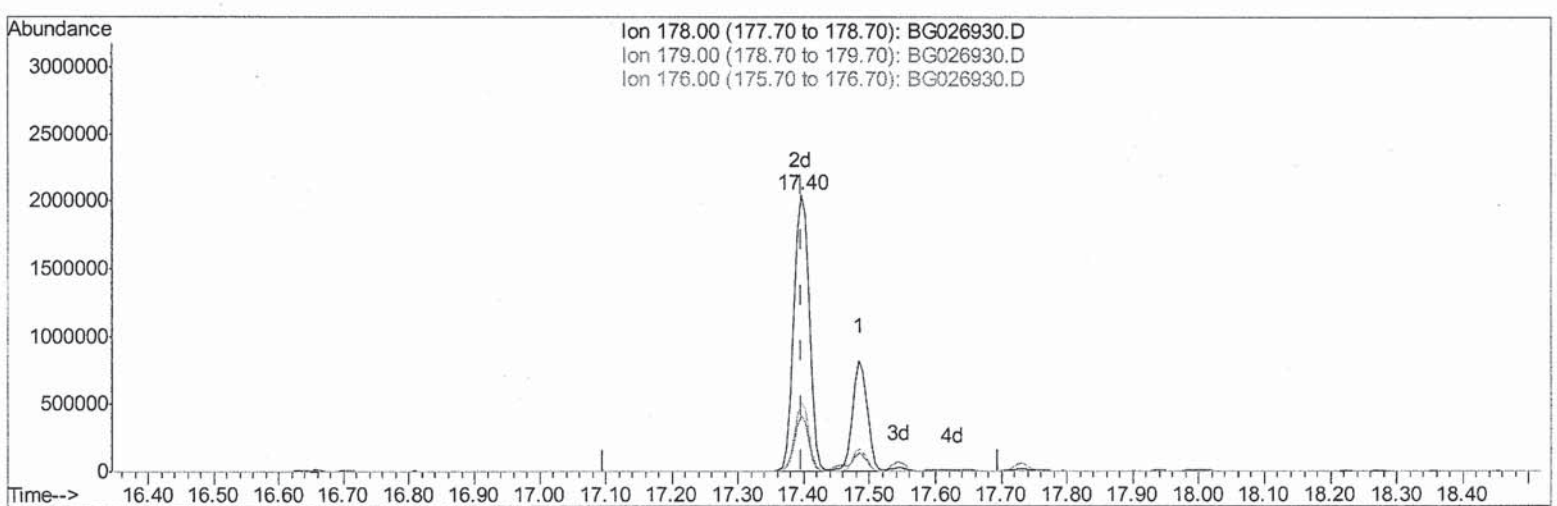
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Manual Integrations

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(69) Phenanthrene

17.396min (-0.000) 65.80ng/ul m

SJ 5/12/17

response 3459902

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.50 | 19.91# |
| 176.00 | 20.60 | 25.17# |
| 0.00   | 0.00  | 0.00   |



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Operator : SJ/MA

Sample : I2842-04

Misc :

ALS Vial : 25 Sample Multiplier: 1

Instrument :

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ClientSampleId :

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Manual Integrations  
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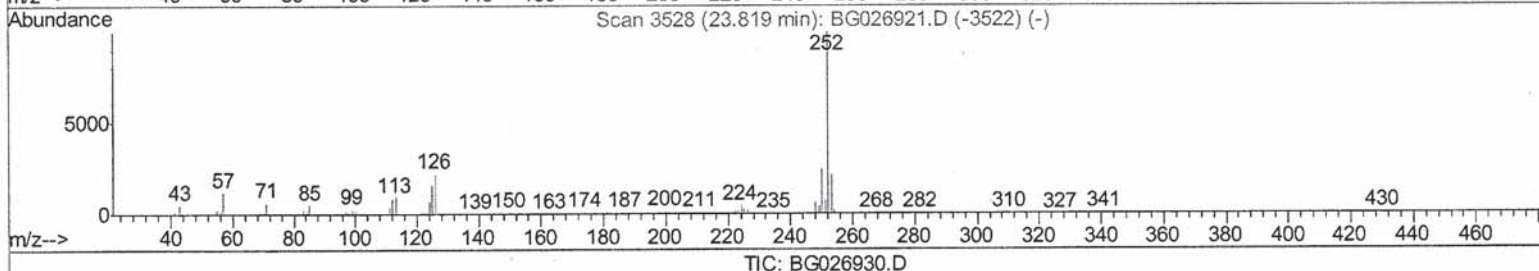
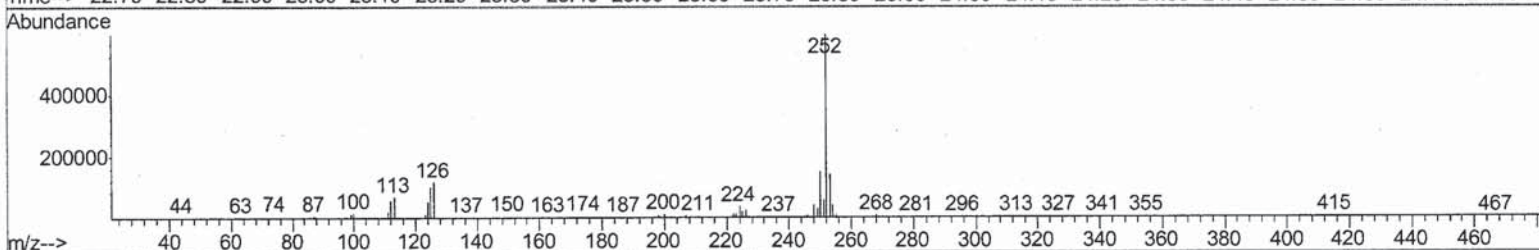
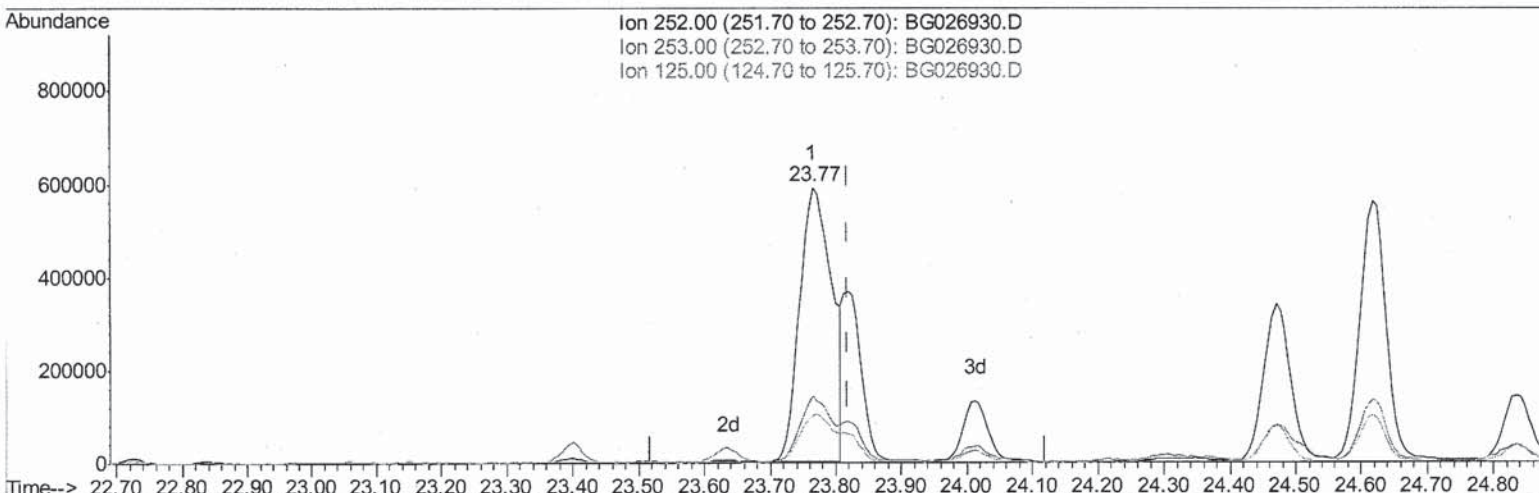
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(86) Benzo(k)fluoranthene

23.765min (-0.053) 37.93ng/ul

response 2026277

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 23.10 | 24.10  |
| 125.00 | 5.10  | 17.40# |
| 0.00   | 0.00  | 0.00   |

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Sample : I2842-04

Misc :

ALS Vial : 25 Sample Multiplier: 1

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Instrument :

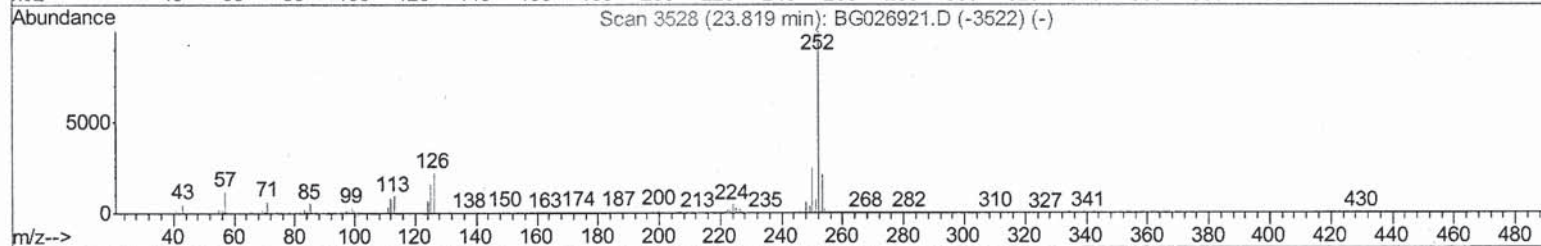
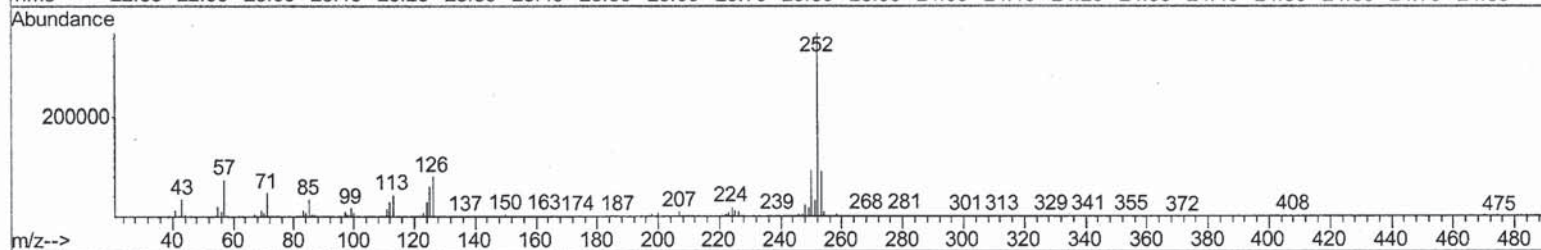
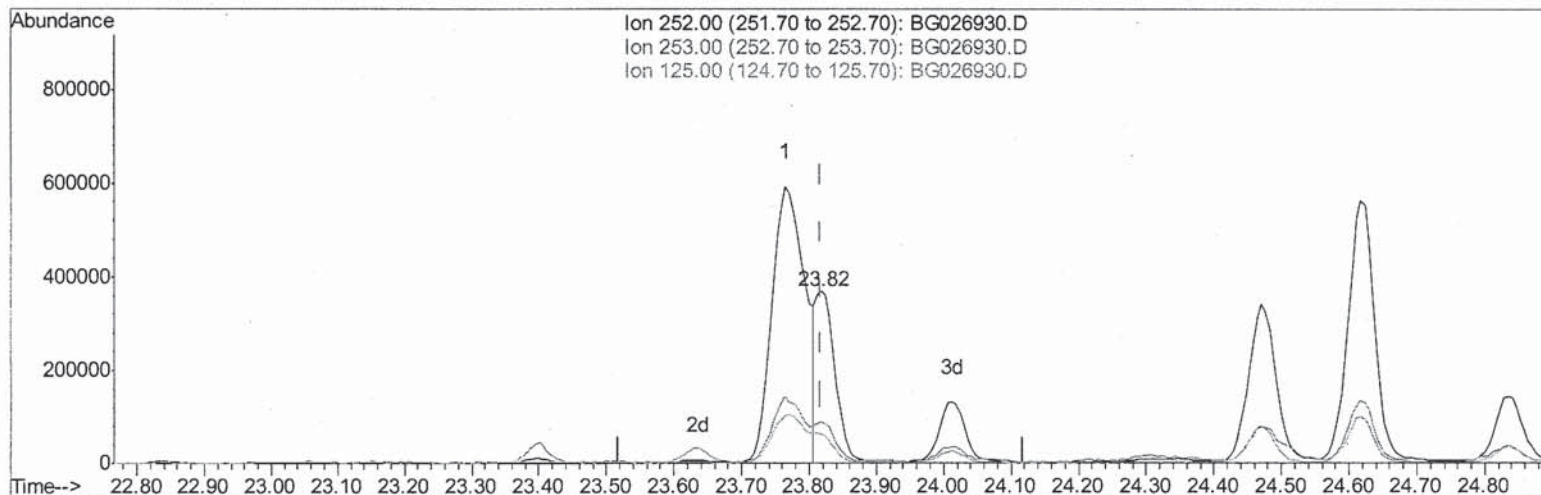
BNA\_G

ClientSampleId :

BDC45

Manual Integrations  
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TIC: BG026930.D

(86) Benzo(k)fluoranthene

23.818min (-0.000) 13.42ng/ui m

SJ 5/12/17

response 716738

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 23.10 | 24.45  |
| 125.00 | 5.10  | 16.64# |
| 0.00   | 0.00  | 0.00   |



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Operator : SJ/MA

Sample : I2842-04

Misc :

ALS Vial : 25 Sample Multiplier: 1

Instrument :

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ClientSampleId :

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Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 201539   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.80 | 136  | 978531   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.62 | 164  | 516293   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.35 | 188  | 933342   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.60 | 240  | 840917   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.76 | 264  | 951403   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.42  | 96  | 14339   | 3.20  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.18  | 99  | 402521  | 22.38 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.33  | 67  | 232124  | 21.94 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.54  | 132 | 320090  | 20.96 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.72  | 113 | 340349  | 22.80 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.16  | 128 | 168826  | 20.64 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.89  | 143 | 183740  | 20.65 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.43 | 165 | 295510  | 20.91 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.94 | 131 | 361597  | 19.11 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.02 | 166 | 856364  | 20.61 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.31 | 160 | 1163551 | 22.29 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.84 | 143 | 132046  | 17.63 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.60 | 176 | 735368  | 20.27 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 63804   | 11.26 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.45 | 188 | 976929  | 21.57 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.73 | 212 | 950035  | 21.40 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.55 | 264 | 951015  | 21.14 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |           |       | Qvalue    |
|----------------------------|-------|-----|-----------|-------|-----------|
| 6) Phenol                  | 7.21  | 94  | 36982     | 2.03  | ng/ul# 81 |
| 28) Naphthalene            | 10.85 | 128 | 494324    | 9.70  | ng/ul 99  |
| 34) 2-Methylnaphthalene    | 12.45 | 142 | 251436    | 6.65  | ng/ul 97  |
| 40) 1,1'-Biphenyl          | 13.45 | 154 | 70391     | 1.62  | ng/ul 99  |
| 44) Dimethylphthalate      | 14.06 | 163 | 381095    | 9.37  | ng/ul 98  |
| 49) Acenaphthene           | 14.68 | 153 | 330601    | 8.94  | ng/ul 96  |
| 53) Dibenzofuran           | 15.01 | 168 | 487502    | 9.90  | ng/ul 95  |
| 58) Fluorene               | 15.66 | 166 | 468549    | 11.66 | ng/ul 98  |
| 69) Phenanthrene           | 17.40 | 178 | 3459902m> | 65.80 | ng/ul 99  |
| 71) Anthracene             | 17.48 | 178 | 1235447   | 22.90 | ng/ul 99  |
| 72) Carbazole              | 17.75 | 167 | 502708    | 11.02 | ng/ul 96  |
| 74) Fluoranthene           | 19.40 | 202 | 3387352   | 69.40 | ng/ul# 66 |
| 77) Pyrene                 | 19.76 | 202 | 2870473   | 50.88 | ng/ul# 66 |
| 80) Benzo(a)anthracene     | 21.58 | 228 | 1769899   | 35.99 | ng/ul 93  |
| 82) Chrysene               | 21.64 | 228 | 1549553   | 33.92 | ng/ul 96  |
| 85) Benzo(b)fluoranthene   | 23.77 | 252 | 2026277   | 37.27 | ng/ul# 90 |
| 86) Benzo(k)fluoranthene   | 23.82 | 252 | 716738m>  | 13.42 | ng/ul 90  |
| 88) Benzo(a)pyrene         | 24.62 | 252 | 1515609   | 28.33 | ng/ul# 90 |
| 89) Indeno(1,2,3-cd)pyrene | 28.37 | 276 | 870757    | 13.73 | ng/ul# 82 |
| 90) Dibenzo(a,h)anthracene | 28.40 | 278 | 228443    | 4.25  | ng/ul# 86 |
| 91) Benzo(g,h,i)perylene   | 29.49 | 276 | 697322    | 13.26 | ng/ul# 76 |

SJ 5/12/17

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|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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