

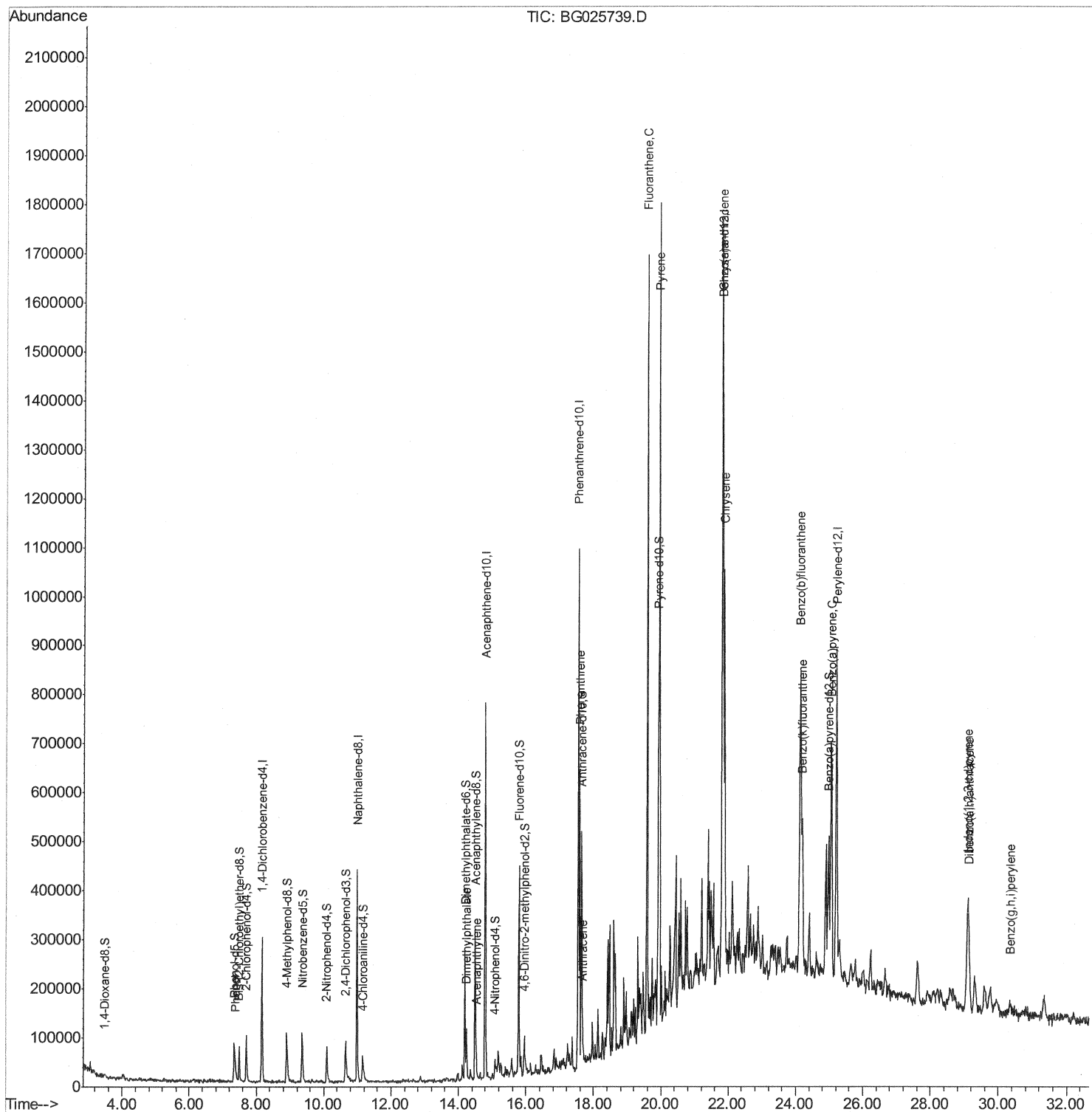
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG013117\  
Data File : BG025739.D  
Acq On : 1 Feb 2017 5:39  
Operator : SJ/MA  
Sample : I1460-13  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDNS5

Manual Integrations  
APPROVED

mohammad  
2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:46:03 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 01 04:33:02 2017  
Response via : Initial Calibration



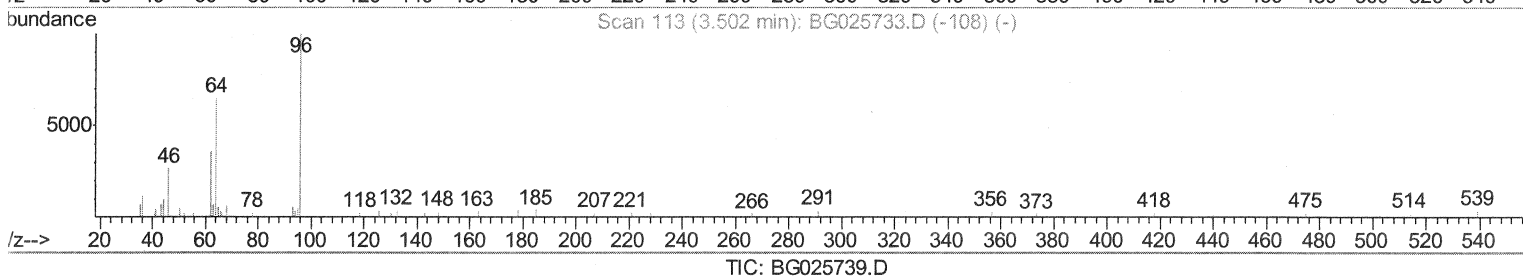
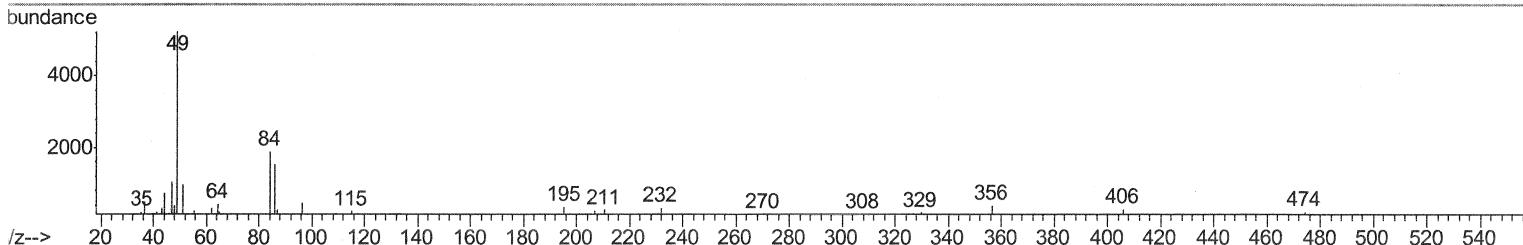
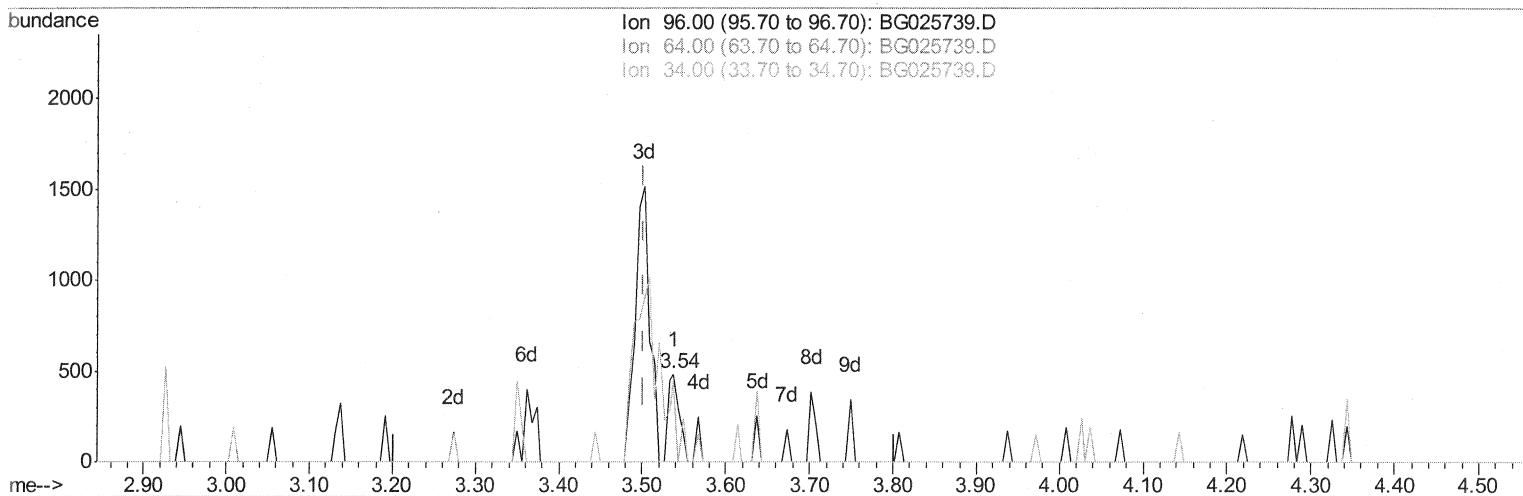
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Operator : SJ/MA  
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Instrument :  
BNA\_G  
ClientSampleId :  
BDNS5

Manual Integrations  
APPROVED

mohammad  
2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:42:35 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 01 04:33:02 2017  
Response via : Initial Calibration



TIC: BG025739.D

(3) 1,4-Dioxane-d8 (S)

3.537min (+0.036) 0.32ng/uL

response 487

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 96.00 | 100   | 100   |
| 64.00 | 88.90 | 91.34 |
| 34.00 | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

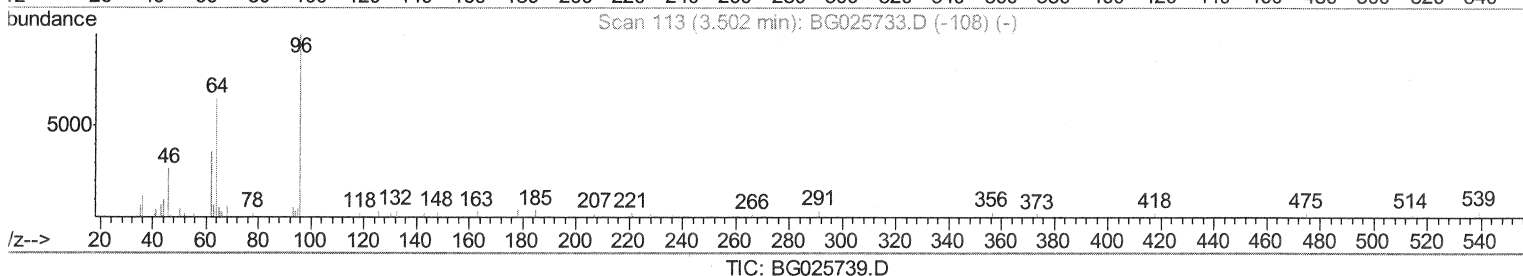
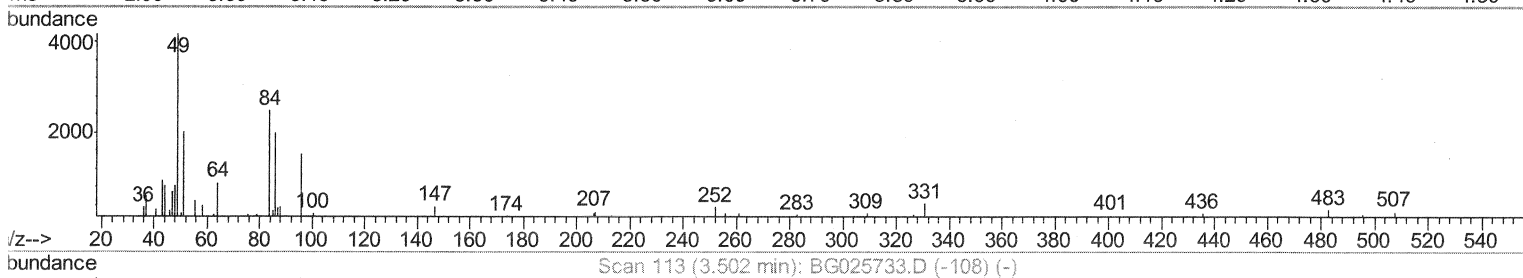
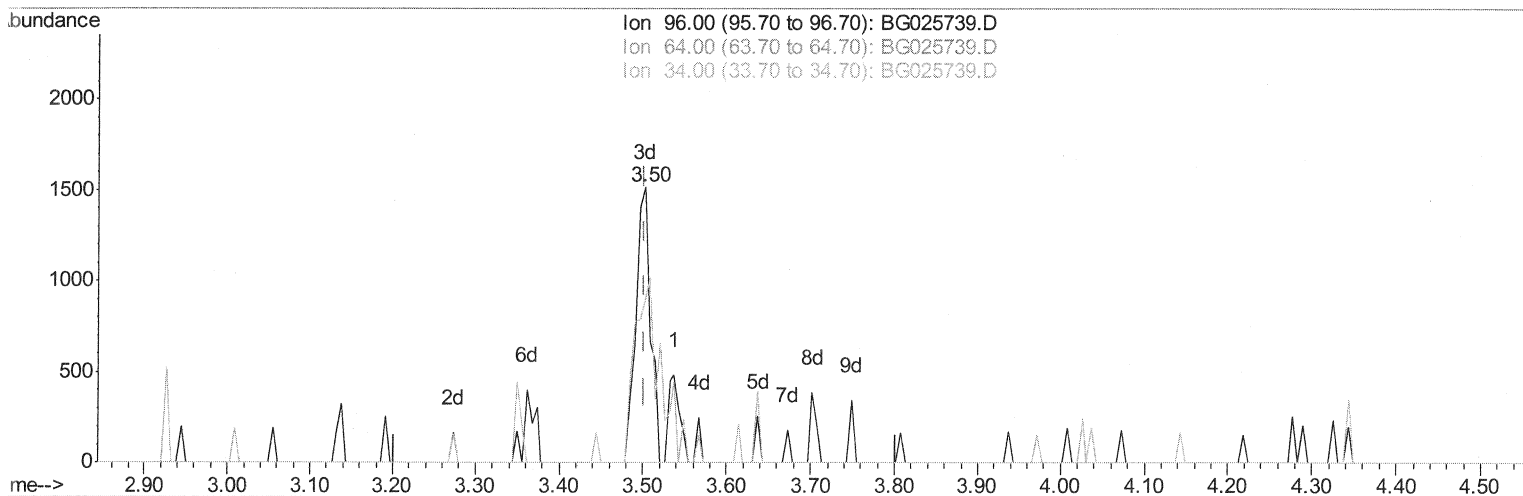
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG013117\  
Data File : BG025739.D  
Acq On : 1 Feb 2017 5:39  
Operator : SJ/MA  
Sample : I1460-13  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDNS5

Manual Integrations  
APPROVED

mohammad  
2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:42:35 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 01 04:33:02 2017  
Response via : Initial Calibration



TIC: BG025739.D

(3) 1,4-Dioxane-d8 (S)

3.502min (+0.000) 1.18ng/uL m

SJ 2/1/17

response 1813

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 88.90 | 59.68# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

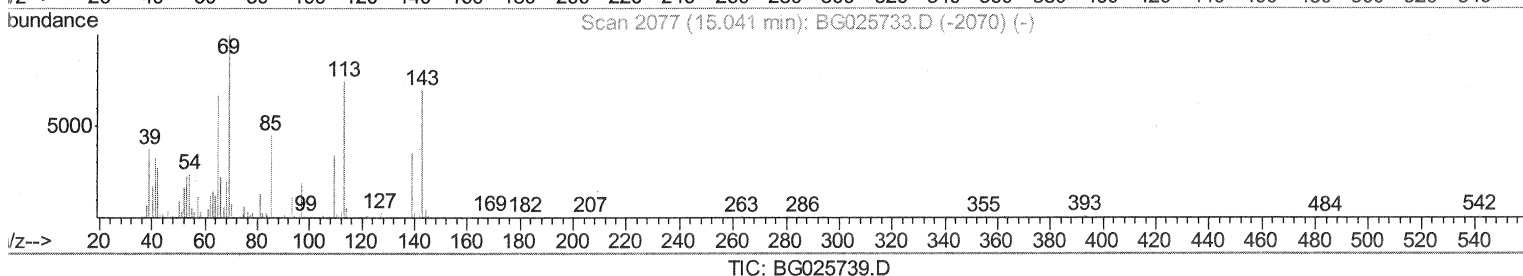
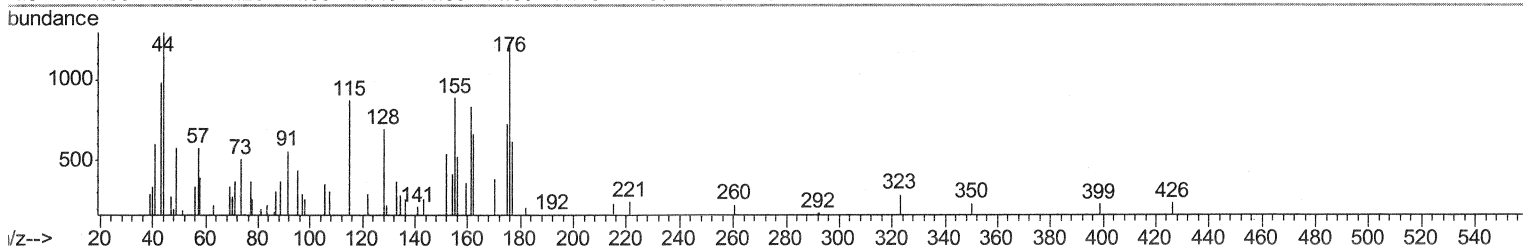
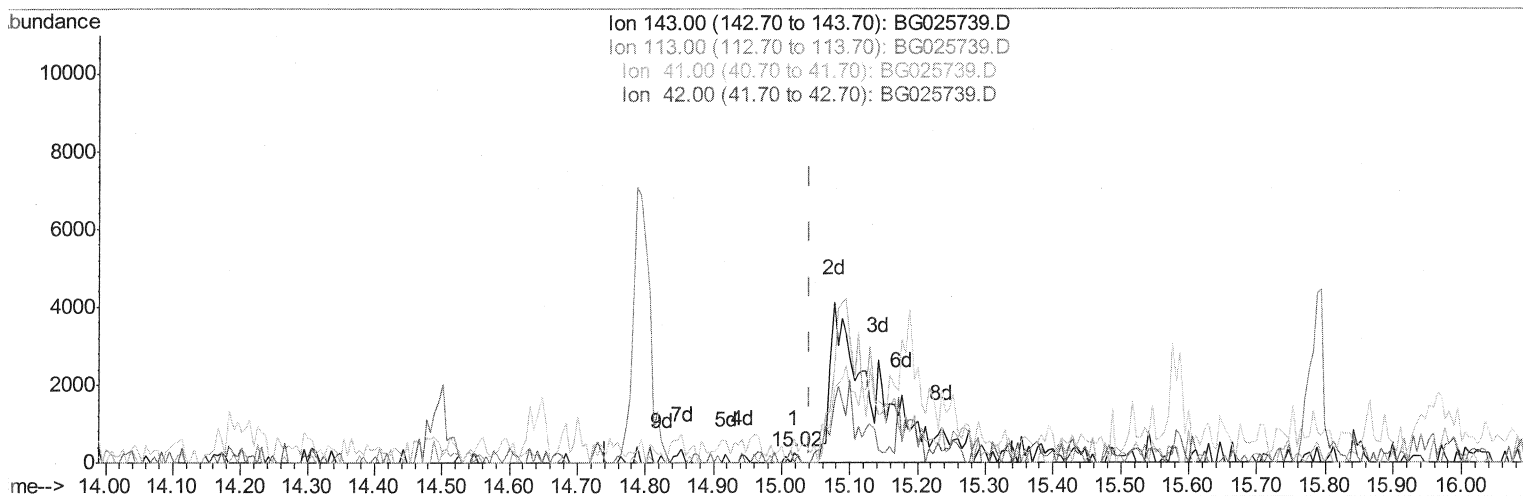
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG013117\  
Data File : BG025739.D  
Acq On : 1 Feb 2017 5:39  
Operator : SJ/MA  
Sample : I1460-13  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDNS5

Manual Integrations  
APPROVED

mohammad  
2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:42:35 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 01 04:33:02 2017  
Response via : Initial Calibration



TIC: BG025739.D

(51) 4-Nitrophenol-d4 (S)

15.018min (-0.023) 0.08ng/ul

response 214

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 143.00 | 100    | 100     |
| 113.00 | 117.30 | 0.00#   |
| 41.00  | 58.00  | 228.41# |
| 42.00  | 42.20  | 0.00#   |

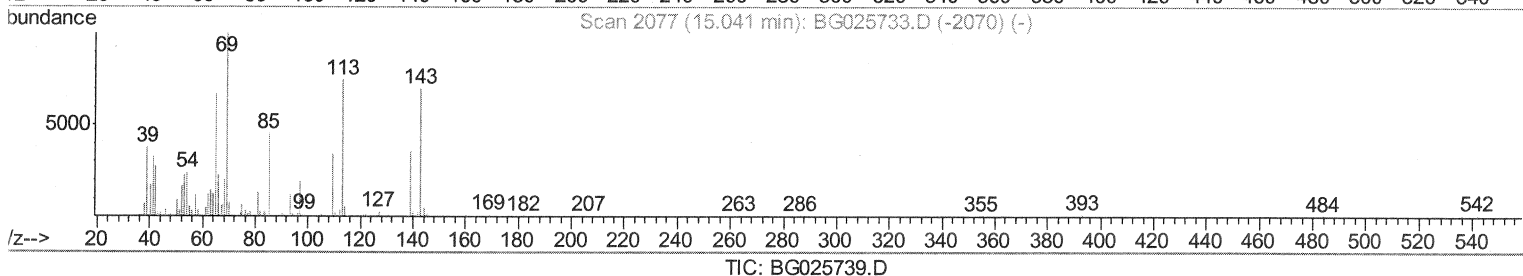
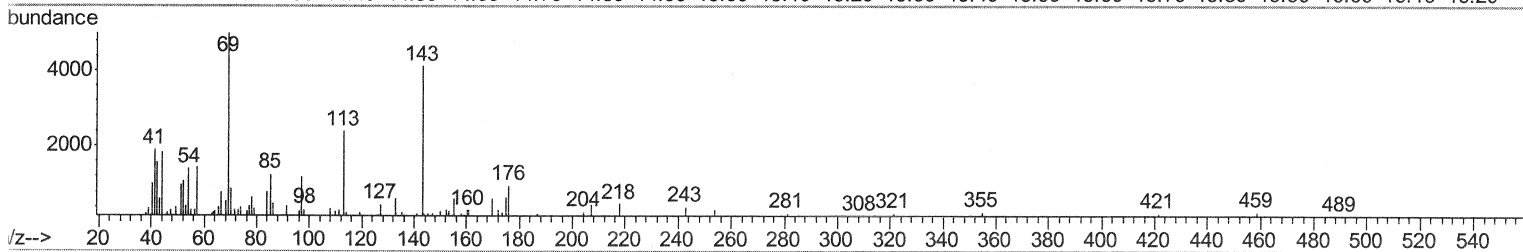
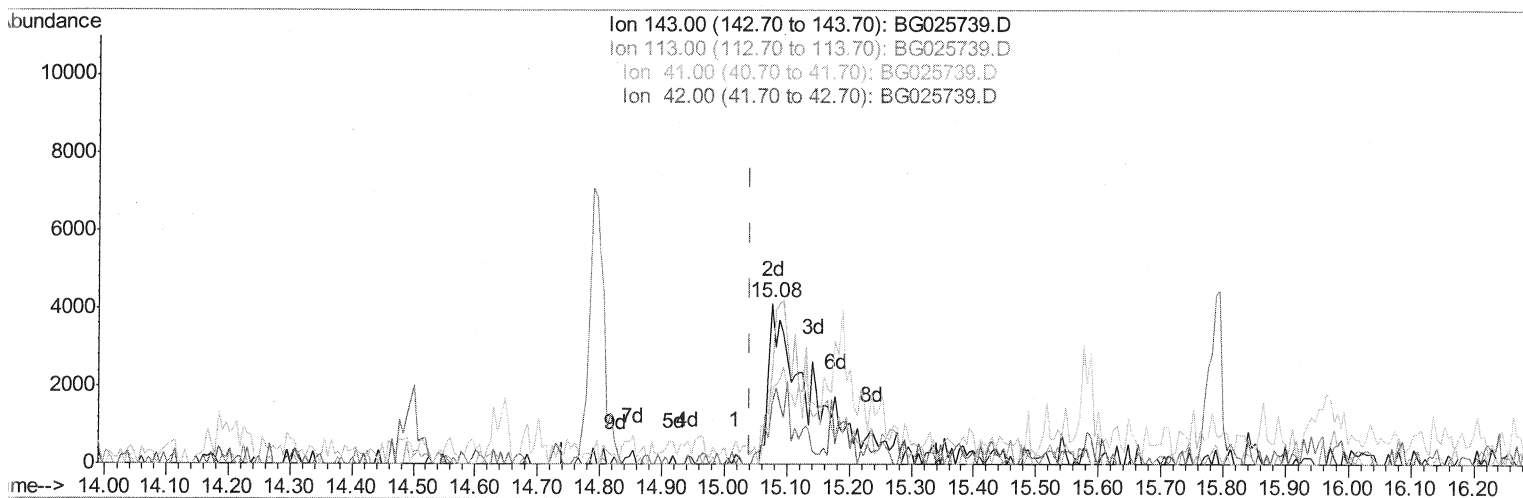
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG013117\  
Data File : BG025739.D  
Acq On : 1 Feb 2017 5:39  
Operator : SJ/MA  
Sample : I1460-13  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDNS5

Manual Integrations  
APPROVED

mohammad  
2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:42:35 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 01 04:33:02 2017  
Response via : Initial Calibration



TIC: BG025739.D

(51) 4-Nitrophenol-d4 (S)

15.077min (+0.036) 7.48ng/ul m

SJ 2/1/17

response 19523

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 117.30 | 58.35# |
| 41.00  | 58.00  | 46.21# |
| 42.00  | 42.20  | 38.31  |

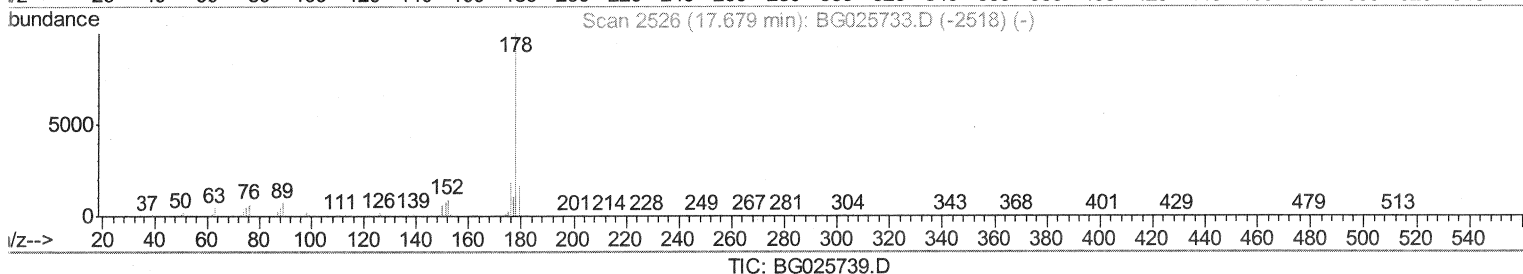
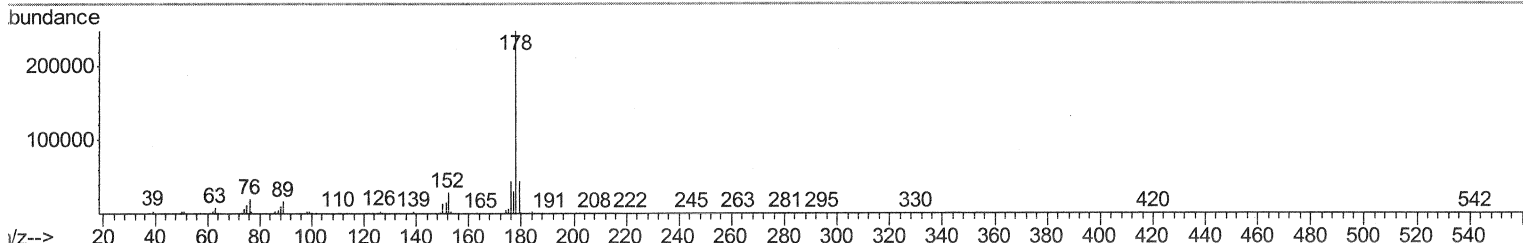
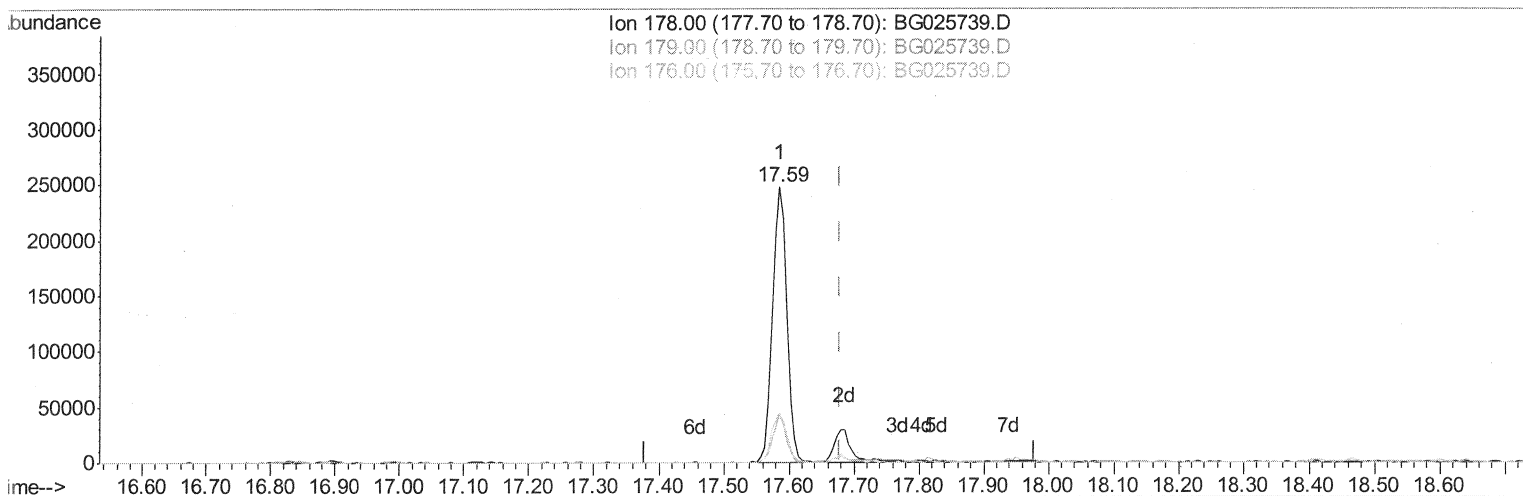
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG013117\  
Data File : BG025739.D  
Acq On : 1 Feb 2017 5:39  
Operator : SJ/MA  
Sample : I1460-13  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDNS5

Manual Integrations  
APPROVED

mohammad  
2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:43:59 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 01 04:33:02 2017  
Response via : Initial Calibration



TIC: BG025739.D

(71) Anthracene

17.586min (-0.094) 13.11ng/ul

response 382368

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.80 | 17.57 |
| 176.00 | 19.90 | 18.11 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

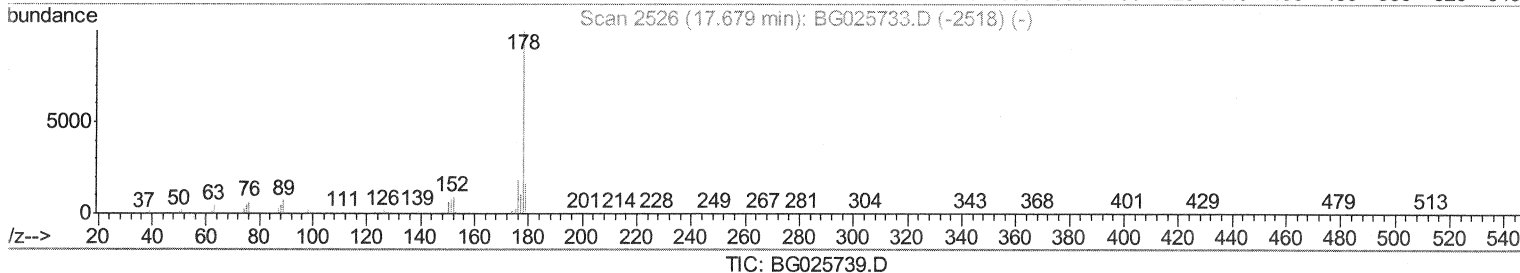
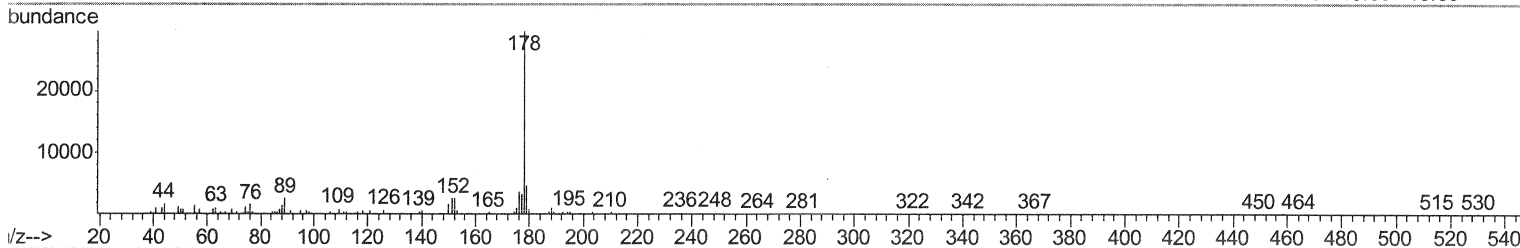
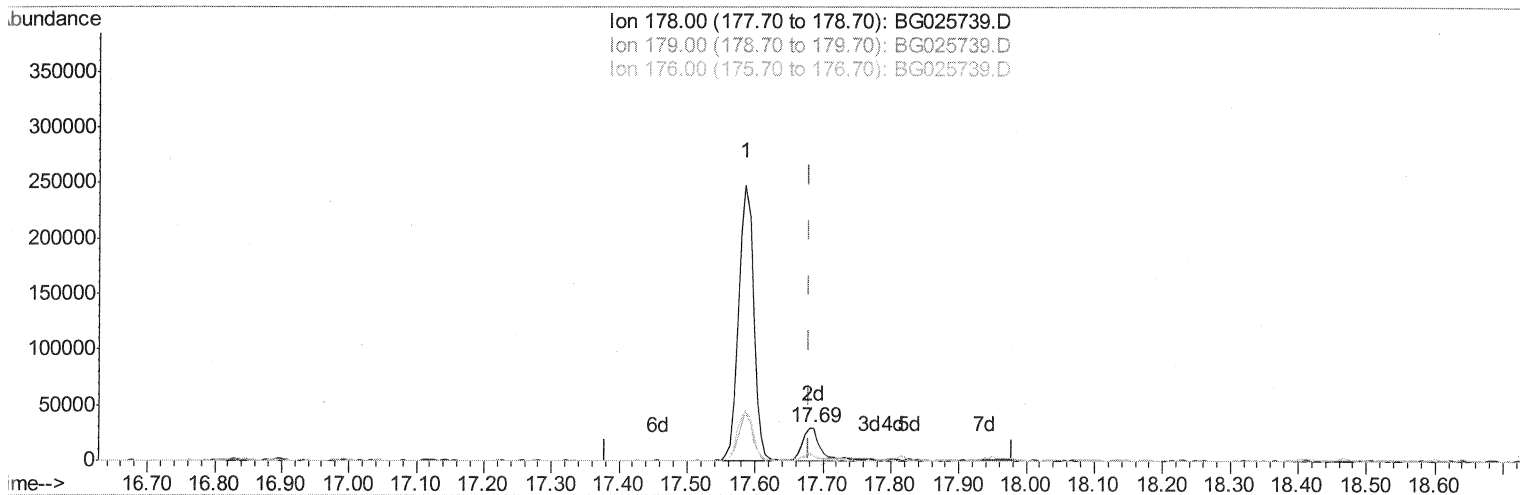
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG013117\  
 Data File : BG025739.D  
 Acq On : 1 Feb 2017 5:39  
 Operator : SJ/MA  
 Sample : I1460-13  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDNS5

Manual Integrations  
 APPROVED

mohammad  
 2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:43:59 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Feb 01 04:33:02 2017  
 Response via : Initial Calibration



TIC: BG025739.D

(71) Anthracene

17.686min (+0.006) 1.78ng/ul m

*SJ 2/1/17*

response 52022

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.80 | 16.43  |
| 176.00 | 19.90 | 12.72# |
| 0.00   | 0.00  | 0.00   |

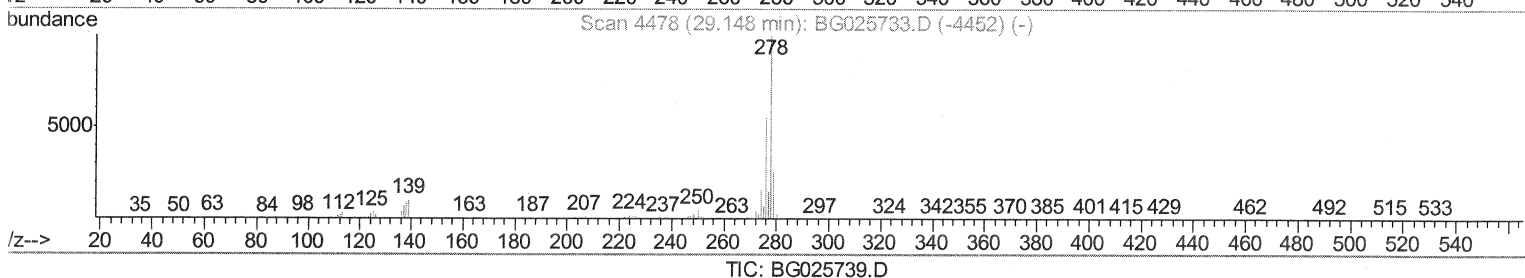
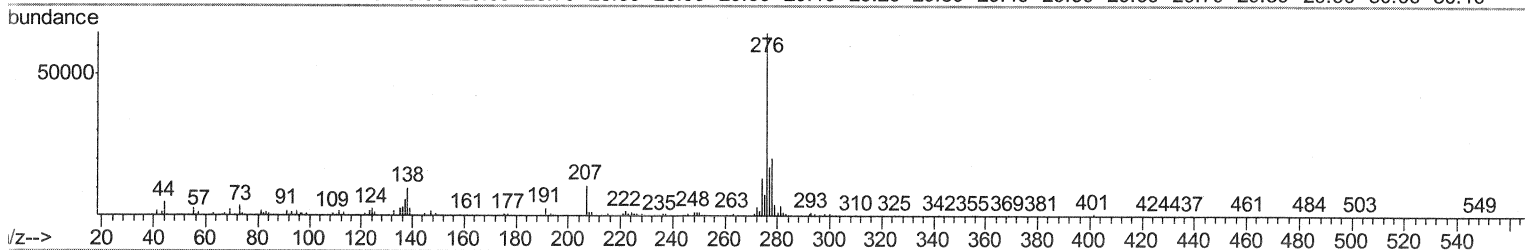
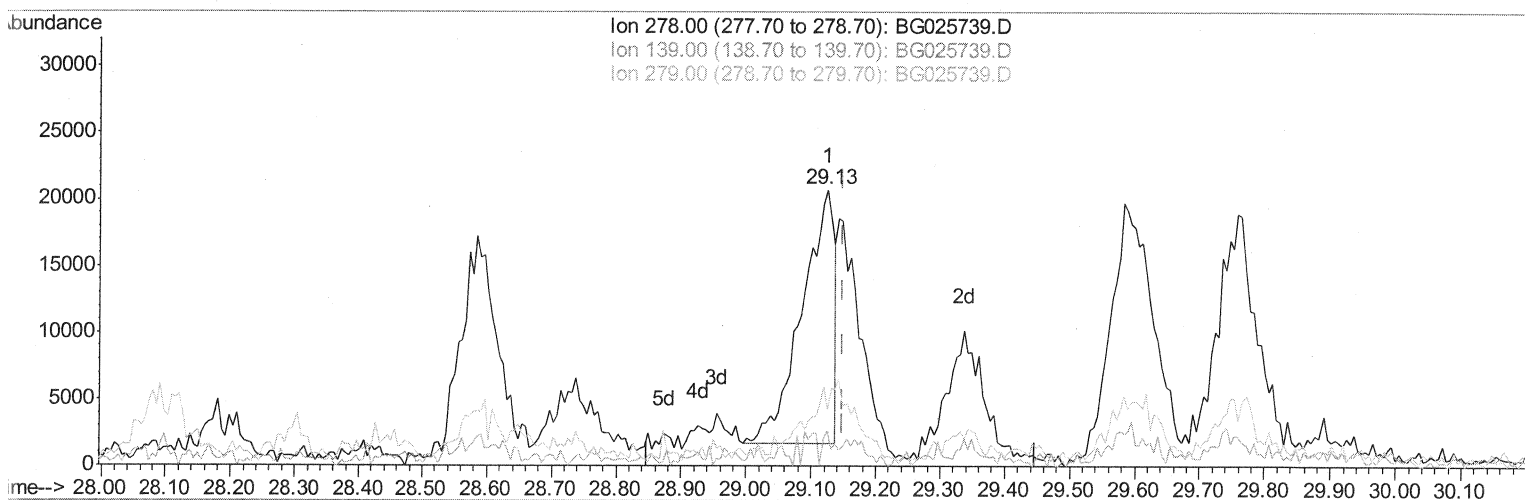
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG013117\  
Data File : BG025739.D  
Acq On : 1 Feb 2017 5:39  
Operator : SJ/MA  
Sample : I1460-13  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDNS5

Manual Integrations  
APPROVED

mohammad  
2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:44:59 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 01 04:33:02 2017  
Response via : Initial Calibration



TIC: BG025739.D

(90) Dibenzo(a,h)anthracene

29.125min (-0.023) 1.67ng/ul

response 66810

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 8.40  | 14.56# |
| 279.00 | 26.10 | 20.68# |
| 0.00   | 0.00  | 0.00   |



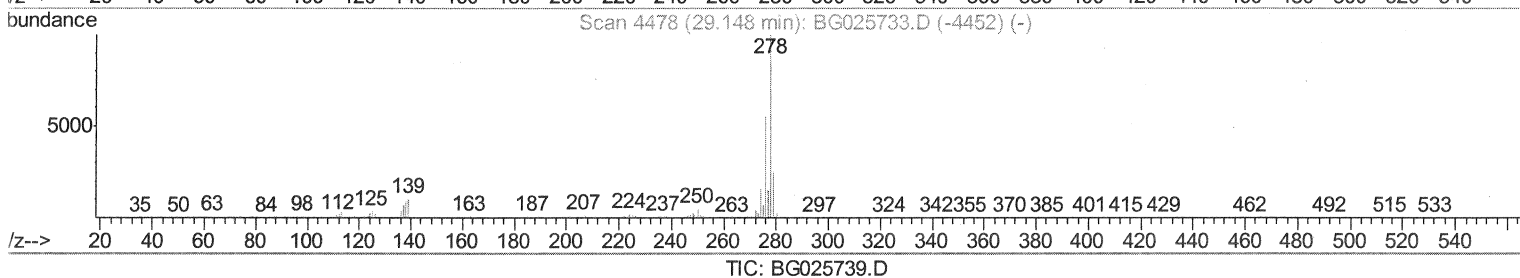
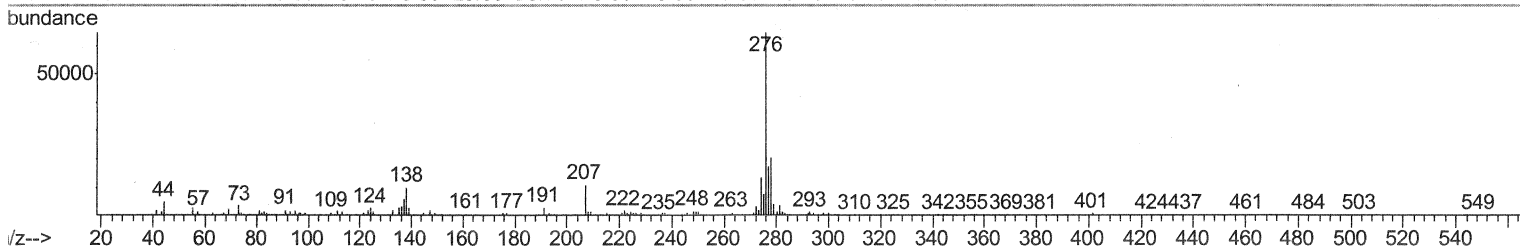
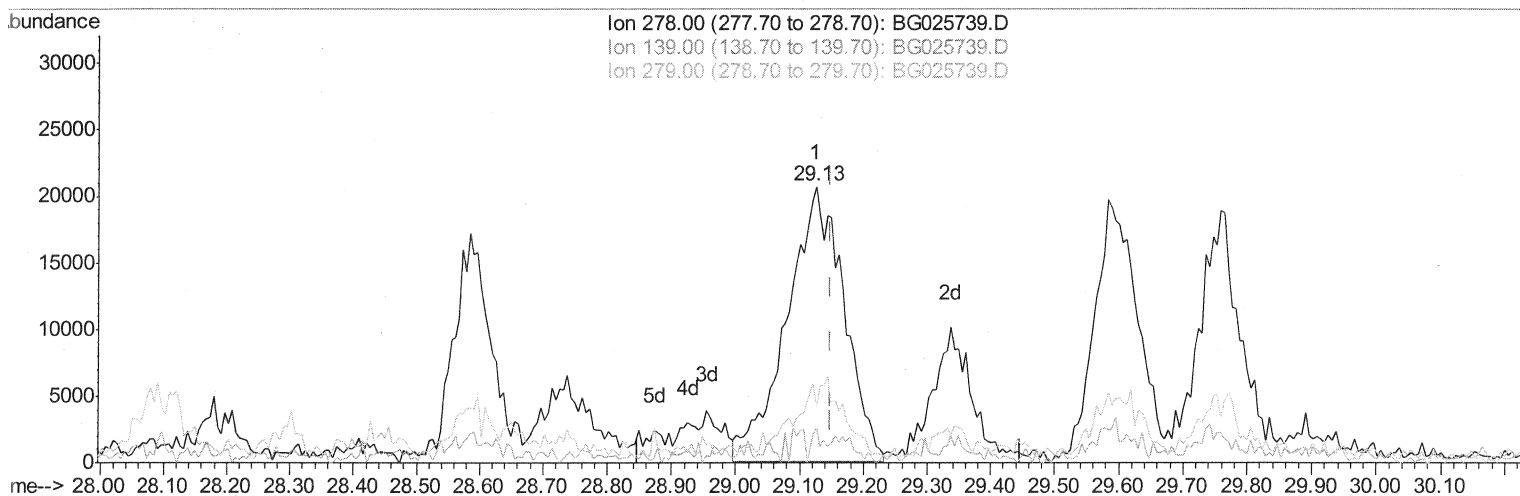
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG013117\  
Data File : BG025739.D  
Acq On : 1 Feb 2017 5:39  
Operator : SJ/MA  
Sample : I1460-13  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDNS5

Manual Integrations  
APPROVED

mohammad  
2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:44:59 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 01 04:33:02 2017  
Response via : Initial Calibration



TIC: BG025739.D

(90) Dibenzo(a,h)anthracene

29.125min (-0.023) 3.15ng/ul m

3.2 2/1/17

response 125702

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 8.40  | 12.56# |
| 279.00 | 26.10 | 20.68# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG013117\  
 Data File : BG025739.D  
 Acq On : 1 Feb 2017 5:39  
 Operator : SJ/MA  
 Sample : I1460-13  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDNS5

Manual Integrations  
 APPROVED

mohammad  
 2/1/2017 4:57:09 PM

Quant Time: Feb 01 06:46:03 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Feb 01 04:33:02 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 76805    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.99 | 136  | 346710   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.79 | 164  | 269749   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.54 | 188  | 597014   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.83 | 240  | 740008   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.21 | 264  | 772366   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |          |       |       |      |
|--------------------------------|-------|-----|----------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.50  | 96  | 1813m >  | 1.18  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.34  | 99  | 59858    | 9.09  | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67  | 40560    | 9.54  | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 43964    | 9.47  | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.90  | 113 | 50277    | 8.99  | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 9.36  | 128 | 22627    | 9.21  | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.09 | 143 | 21920    | 7.47  | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.65 | 165 | 42050    | 7.27  | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 11.17 | 131 | 35138    | 5.43  | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 177580   | 9.32  | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.50 | 160 | 212994   | 10.35 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.08 | 143 | 19523m > | 7.48  | ng/ul | 0.04 |
| 57) Fluorene-d10               | 15.79 | 176 | 168869   | 9.40  | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.95 | 200 | 22057    | 5.99  | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.64 | 188 | 272506   | 10.72 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.92 | 212 | 329762   | 10.71 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.98 | 264 | 295904   | 9.12  | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |           |       |        | Qvalue |
|----------------------------|-------|-----|-----------|-------|--------|--------|
| 6) Phenol                  | 7.37  | 94  | 8314      | 1.20  | ng/ul# | 78     |
| 44) Dimethylphthalate      | 14.24 | 163 | 67767     | 3.62  | ng/ul# | 95     |
| 47) Acenaphthylene         | 14.53 | 152 | 41483     | 2.07  | ng/ul# | 93     |
| 69) Phenanthrene           | 17.59 | 178 | 382368    | 13.18 | ng/ul  | 95     |
| 71) Anthracene             | 17.69 | 178 | 52022m >  | 1.78  | ng/ul  |        |
| 74) Fluoranthene           | 19.59 | 202 | 995937    | 29.08 | ng/ul  | 99     |
| 77) Pyrene                 | 19.95 | 202 | 1003040   | 27.56 | ng/ul  | 96     |
| 80) Benzo(a)anthracene     | 21.81 | 228 | 644915    | 16.49 | ng/ul  | 98     |
| 82) Chrysene               | 21.88 | 228 | 639581    | 17.39 | ng/ul  | 98     |
| 85) Benzo(b)fluoranthene   | 24.13 | 252 | 823739    | 20.61 | ng/ul# | 96     |
| 86) Benzo(k)fluoranthene   | 24.19 | 252 | 270286    | 7.21  | ng/ul# | 98     |
| 88) Benzo(a)pyrene         | 25.05 | 252 | 482628    | 12.76 | ng/ul  | 95     |
| 89) Indeno(1,2,3-cd)pyrene | 29.10 | 276 | 398300    | 8.32  | ng/ul  | 100    |
| 90) Dibenzo(a,h)anthracene | 29.13 | 278 | 125702m > | 3.15  | ng/ul  |        |
| 91) Benzo(g,h,i)perylene   | 30.35 | 276 | 50127     | 1.27  | ng/ul  | 94     |

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