

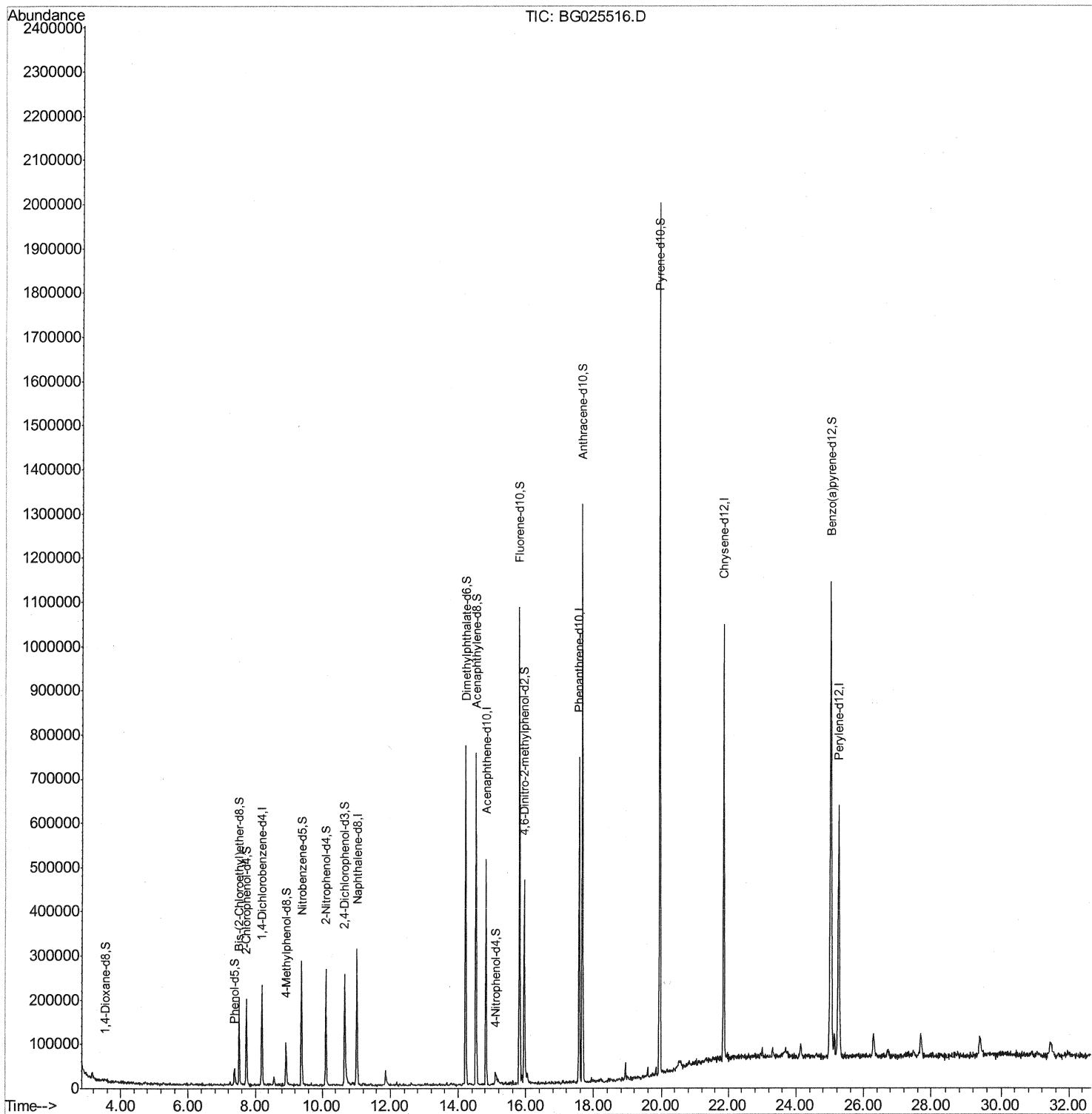
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011317\  
Data File : BG025516.D  
Acq On : 13 Jan 2017 18:18  
Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

Quant Time: Jan 16 00:26:46 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG010417MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Jan 15 23:58:34 2017  
Response via : Initial Calibration



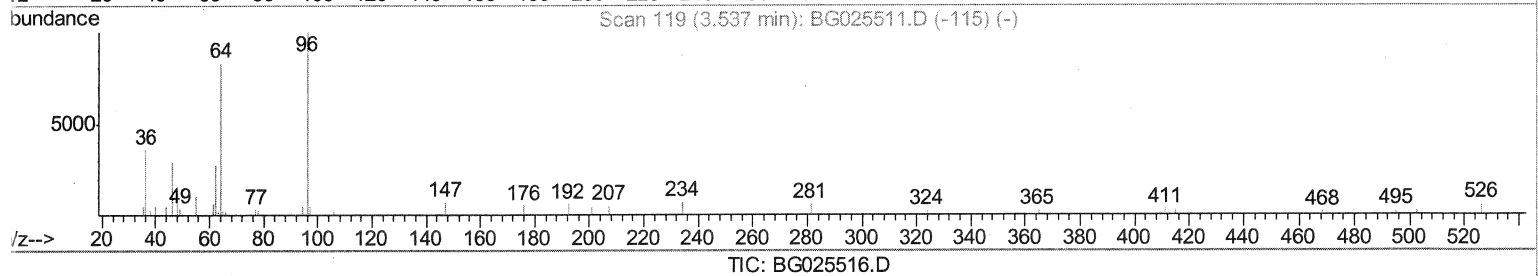
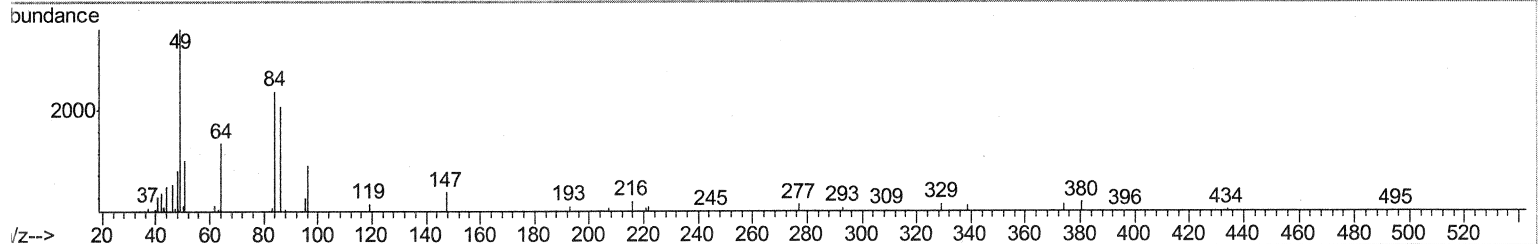
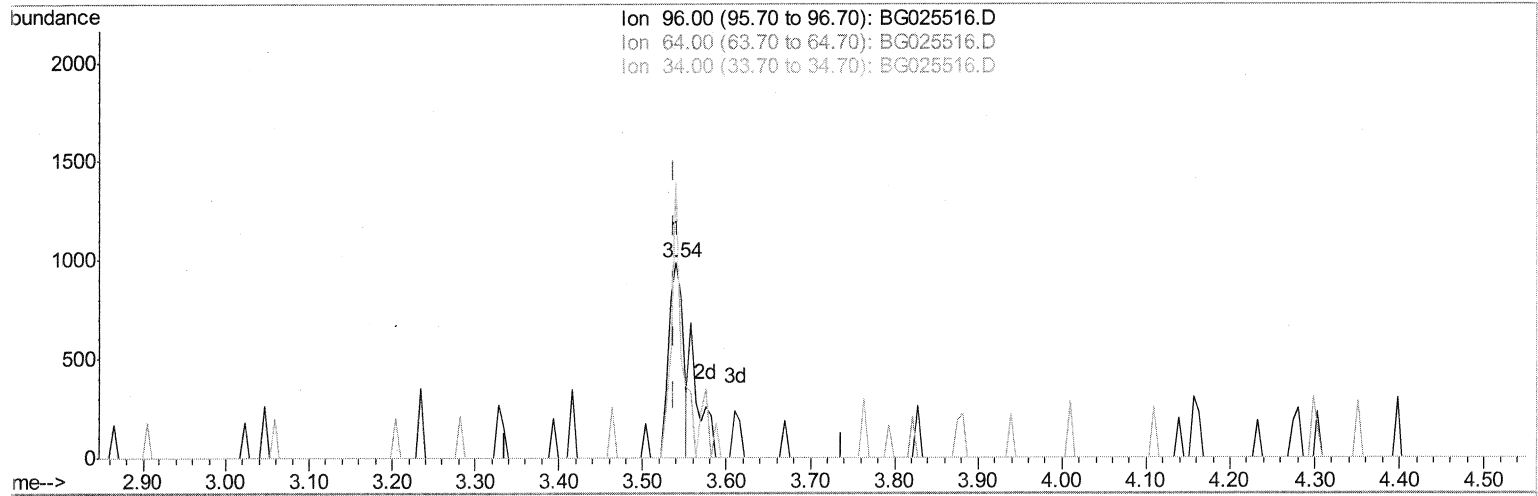
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ClientSampled :  
C0AA4

Manual Integrations  
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Sohil  
1/16/2017 8:29:58 AM

Quant Time: Jan 16 00:16:27 2017  
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Quant Title : SVOA CALIBRATION  
QLast Update : Sun Jan 15 23:58:34 2017  
Response via : Initial Calibration



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

3.540min (+0.003) 1.13ng/uL

response 1154

| Ion   | Exp%  | Act%    |
|-------|-------|---------|
| 96.00 | 100   | 100     |
| 64.00 | 67.80 | 103.47# |
| 34.00 | 0.00  | 0.00    |
| 0.00  | 0.00  | 0.00    |

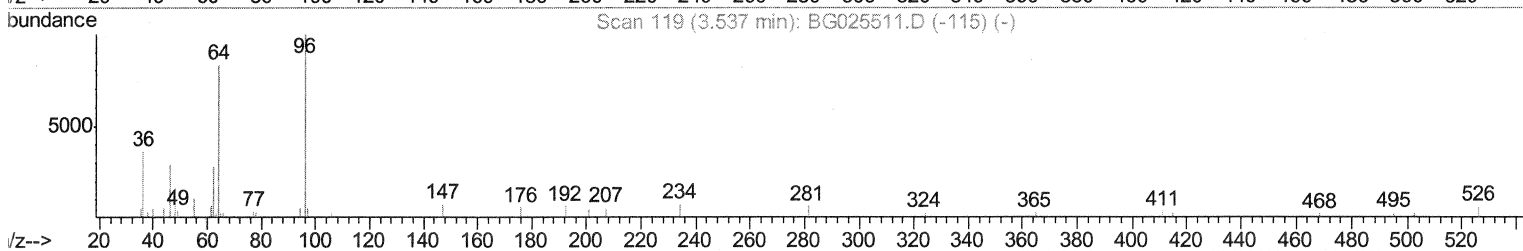
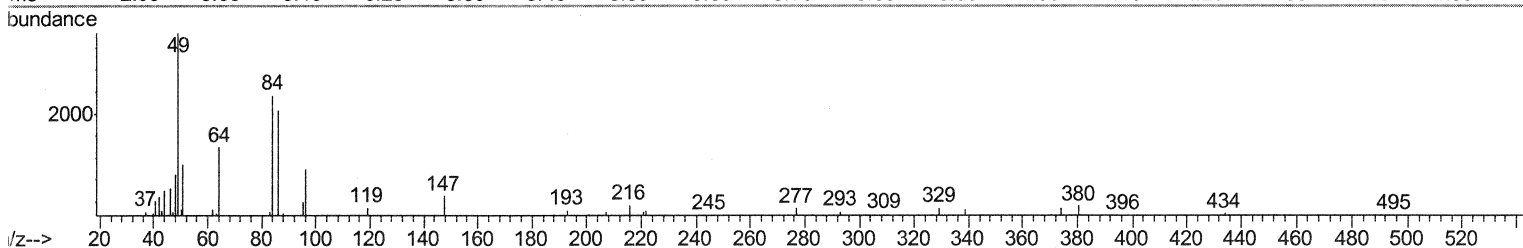
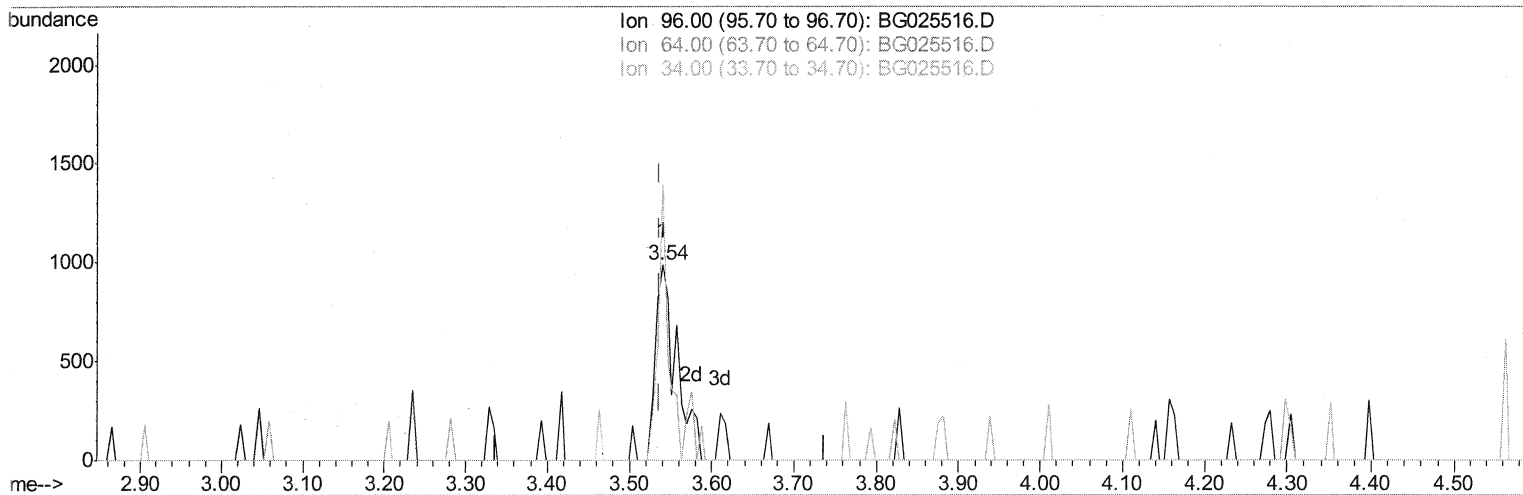
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Acq On : 13 Jan 2017 18:18  
Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

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Response via : Initial Calibration



TIC: BG025516.D

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

3.540min (+0.003) 1.68ng/uL m

SJ 1/17/17

response 1725

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 96.00 | 100   | 100   |
| 64.00 | 67.80 | 69.22 |
| 34.00 | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

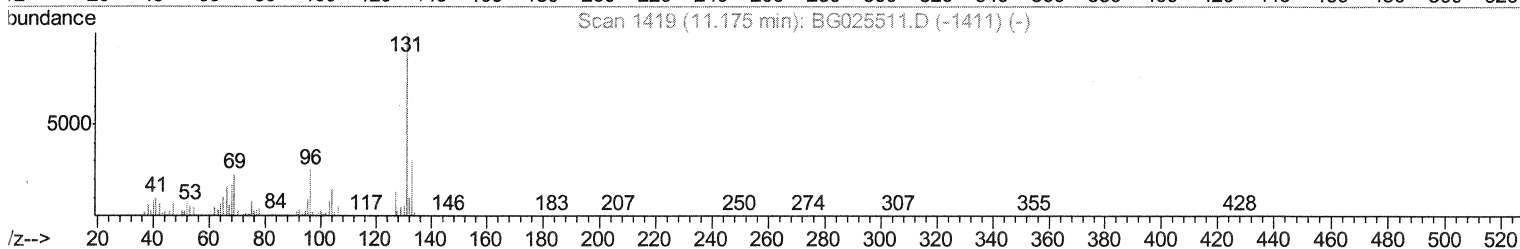
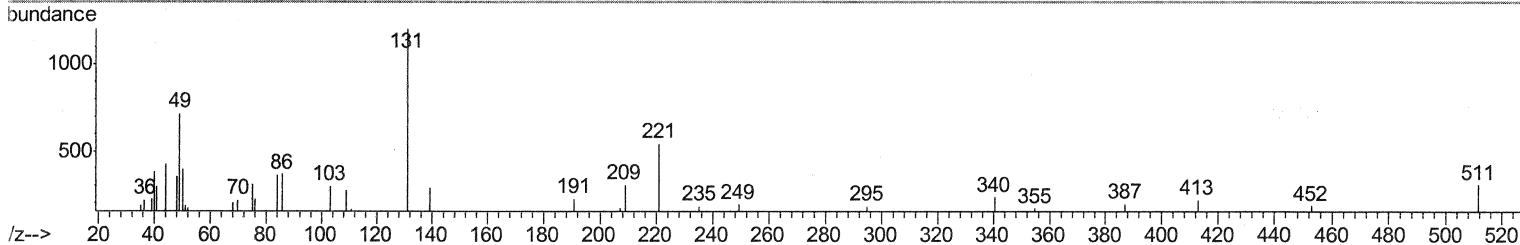
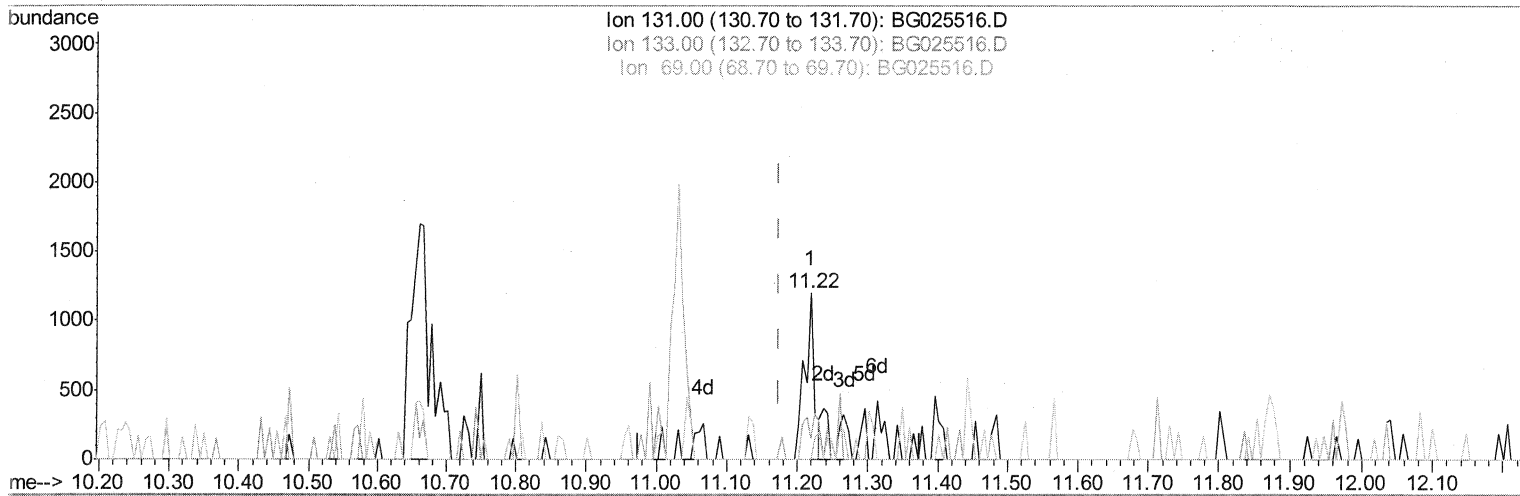
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Acq On : 13 Jan 2017 18:18  
Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

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Quant Title : SVOA CALIBRATION  
QLast Update : Sun Jan 15 23:58:34 2017  
Response via : Initial Calibration



TIC: BG025516.D

(29) 4-Chloroaniline-d4 (S)

11.219min (+0.044) 0.28ng/ul

response 1178

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 32.10 | 13.08# |
| 69.00  | 16.20 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

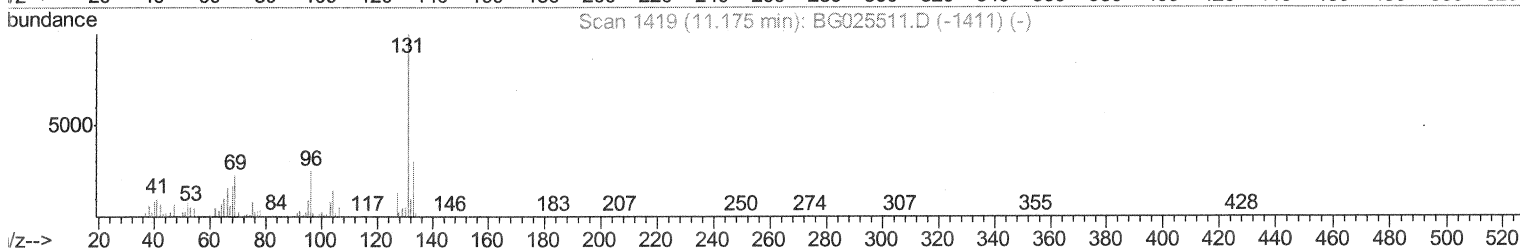
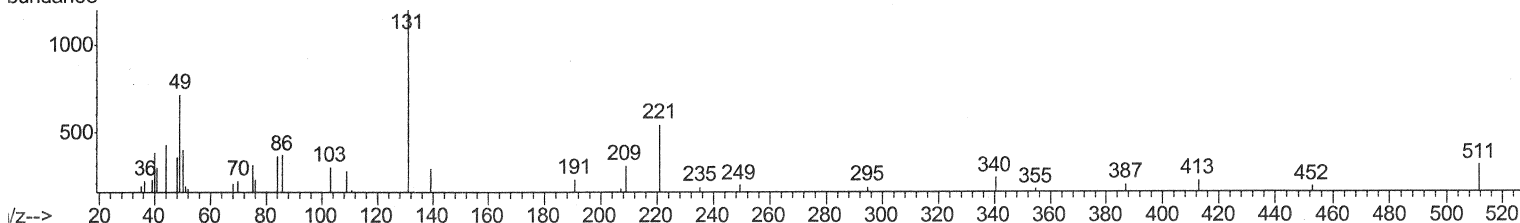
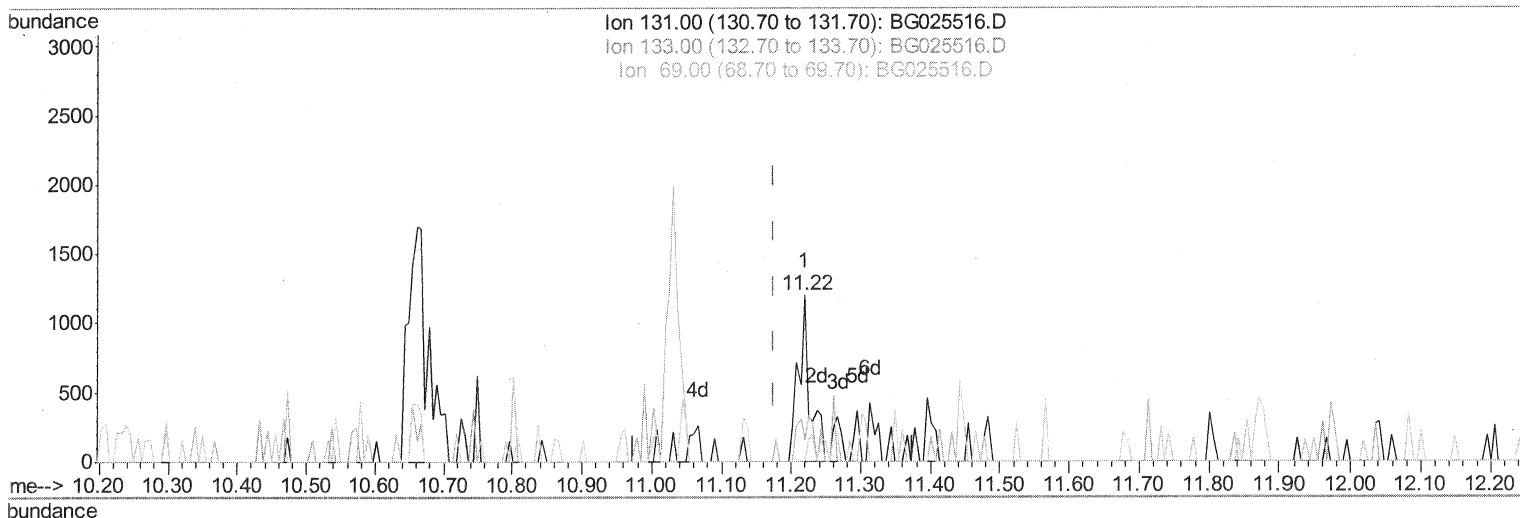
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011317\  
Data File : BG025516.D  
Acq On : 13 Jan 2017 18:18  
Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

Quant Time: Jan 16 00:16:27 2017  
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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BG025516.D

(29) 4-Chloroaniline-d4 (S)

11.219min (+0.044) 0.34ng/ul m

SJ 1/17/17

response 1425

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 32.10 | 13.08# |
| 69.00  | 16.20 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

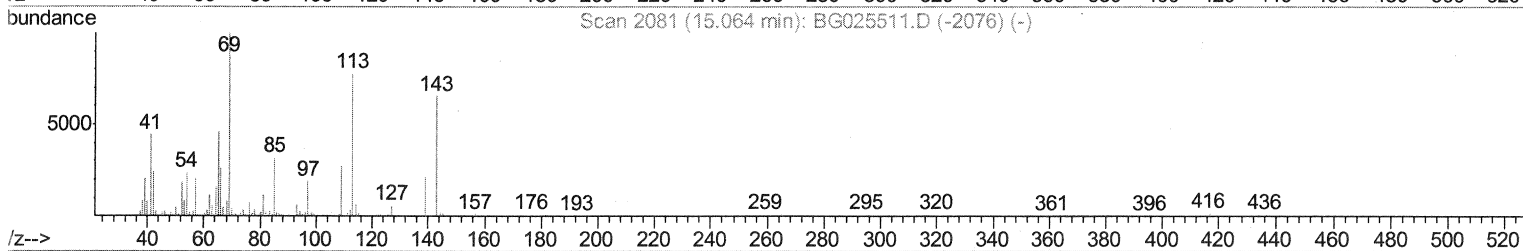
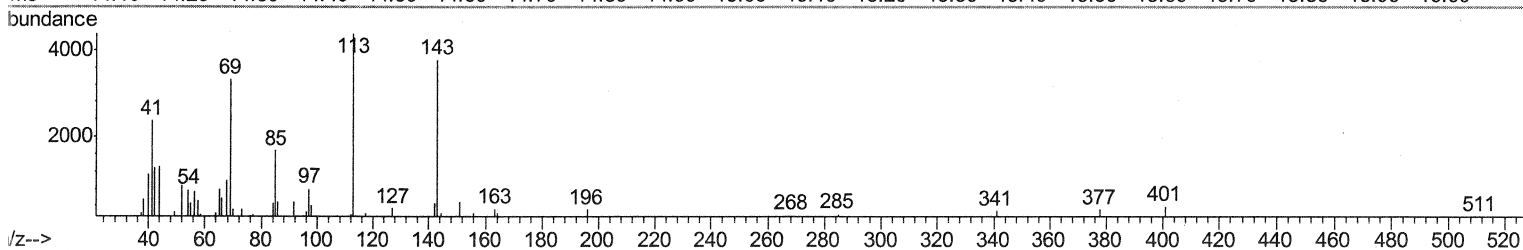
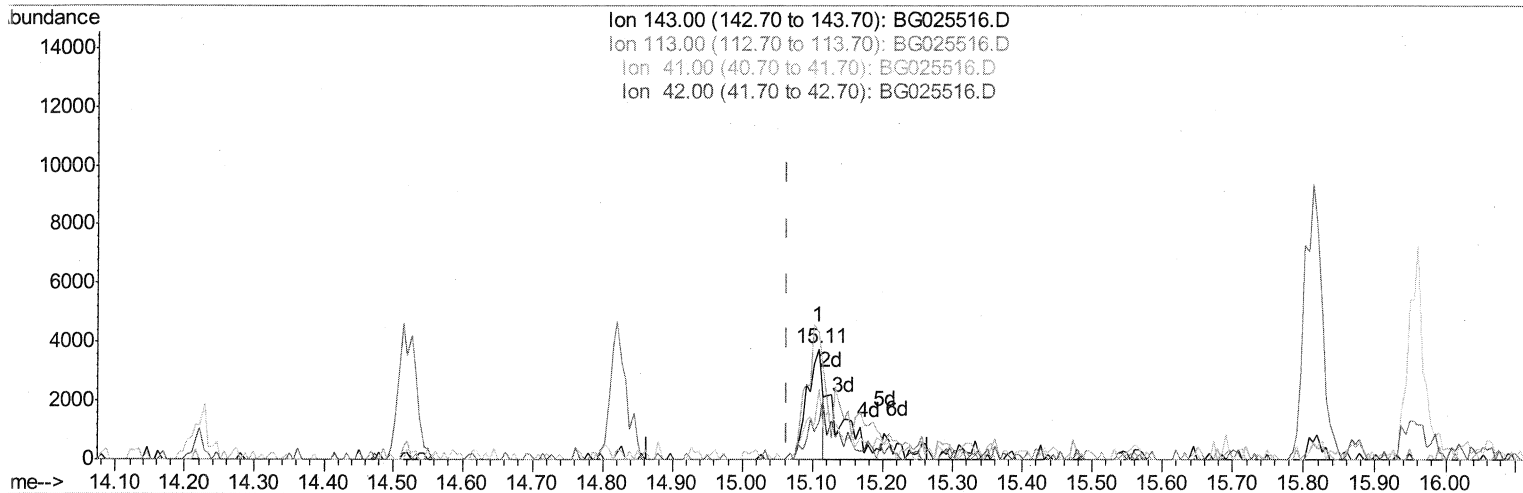
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011317\  
Data File : BG025516.D  
Acq On : 13 Jan 2017 18:18  
Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

Quant Time: Jan 16 00:16:27 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG010417MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Jan 15 23:58:34 2017  
Response via : Initial Calibration



TIC: BG025516.D

(51) 4-Nitrophenol-d4 (S)

15.109min (+0.044) 3.07ng/ul

response 5578

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 75.10 | 116.04# |
| 41.00  | 28.80 | 63.00#  |
| 42.00  | 19.10 | 34.05#  |



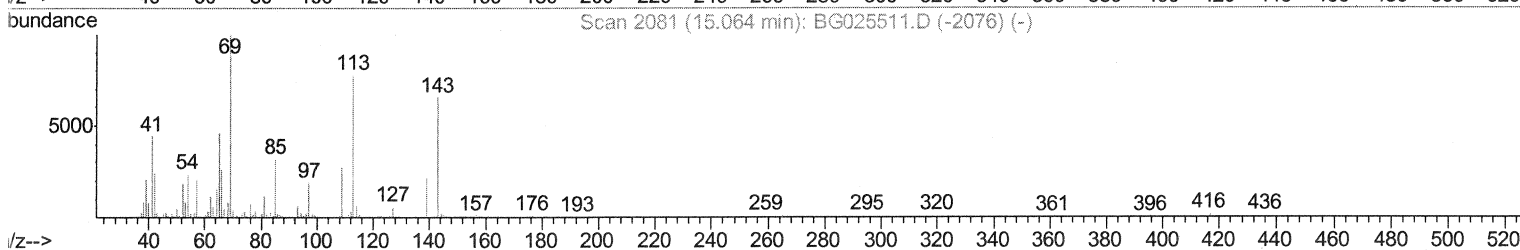
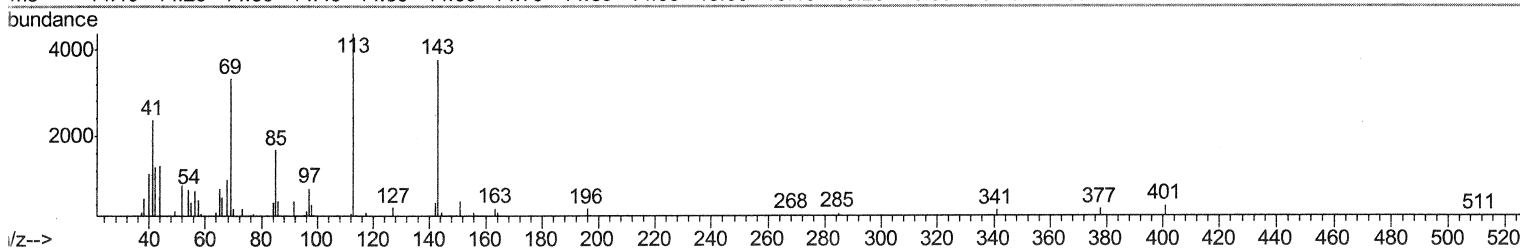
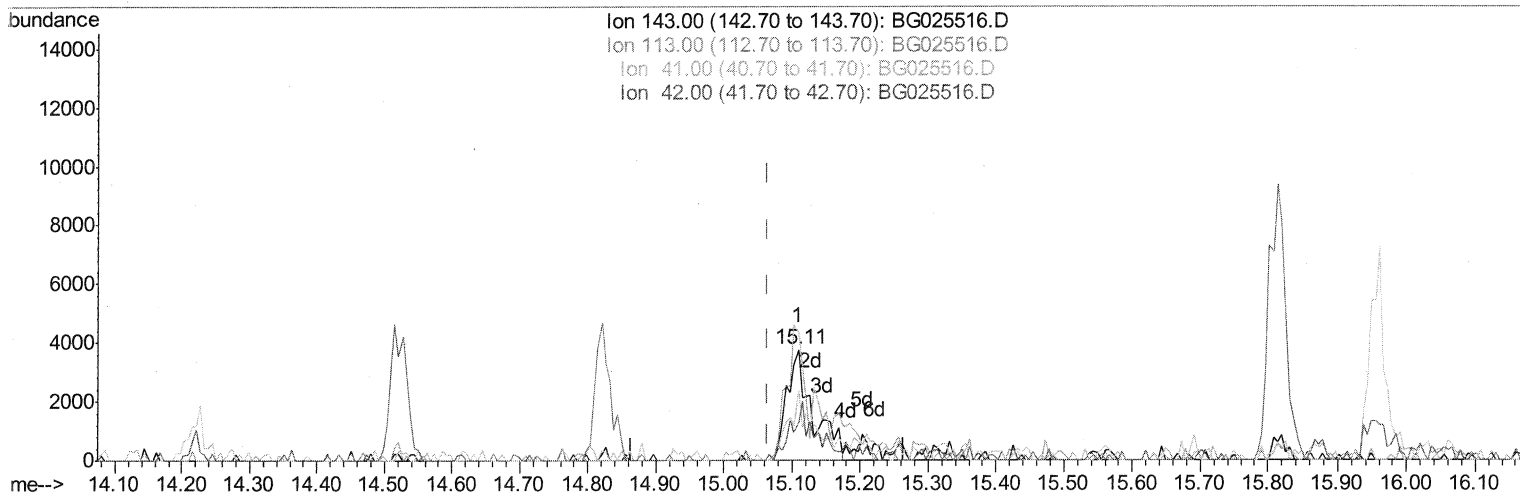
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011317\  
Data File : BG025516.D  
Acq On : 13 Jan 2017 18:18  
Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

Quant Time: Jan 16 00:16:27 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG010417MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Jan 15 23:58:34 2017  
Response via : Initial Calibration



TIC: BG025516.D

(51) 4-Nitrophenol-d4 (S)

15.109min (+0.044) 5.47ng/ul m

SJ 1/17/17

response 9934

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 75.10 | 116.04# |
| 41.00  | 28.80 | 63.00#  |
| 42.00  | 19.10 | 34.05#  |

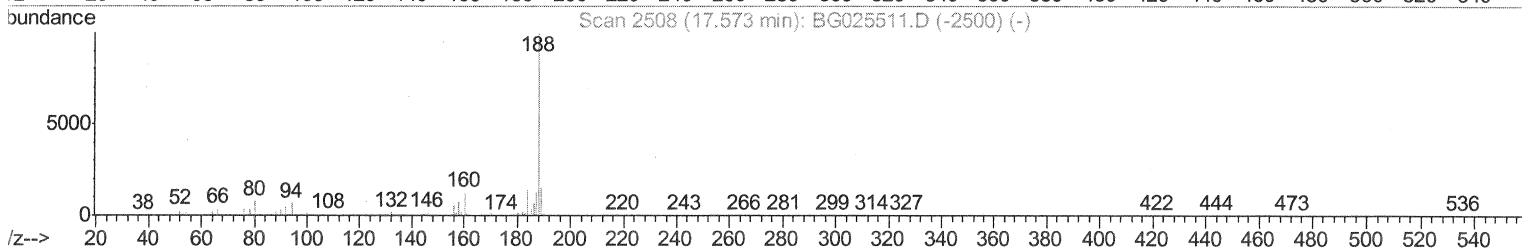
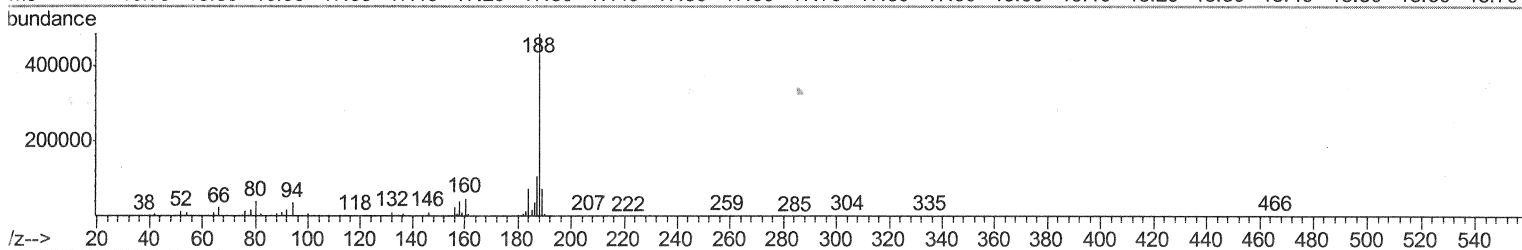
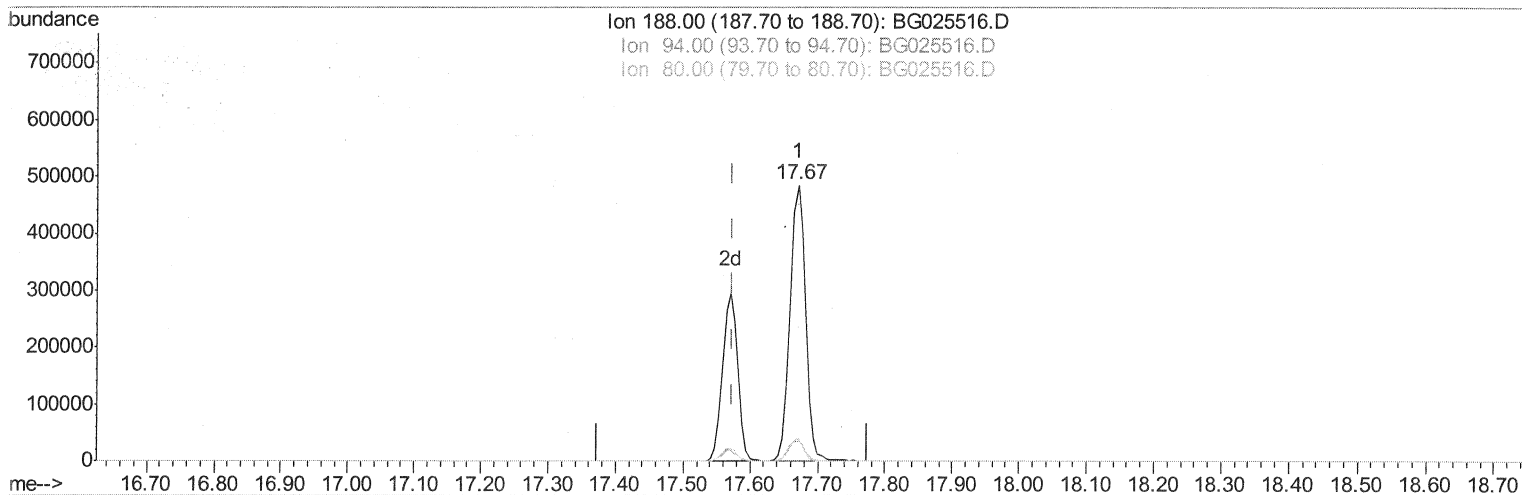
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011317\  
Data File : BG025516.D  
Acq On : 13 Jan 2017 18:18  
Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

Quant Time: Jan 16 00:16:27 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG010417MA.M  
Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BG025516.D

(61) Phenanthrene-d10 (I)

17.670min (+0.097) 20.00ng/ul

response 780393

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 9.00 | 7.47 |
| 80.00  | 9.70 | 8.13 |
| 0.00   | 0.00 | 0.00 |



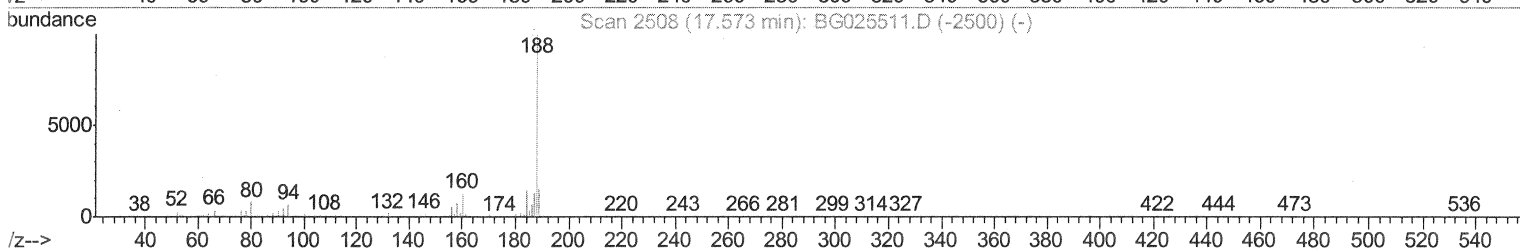
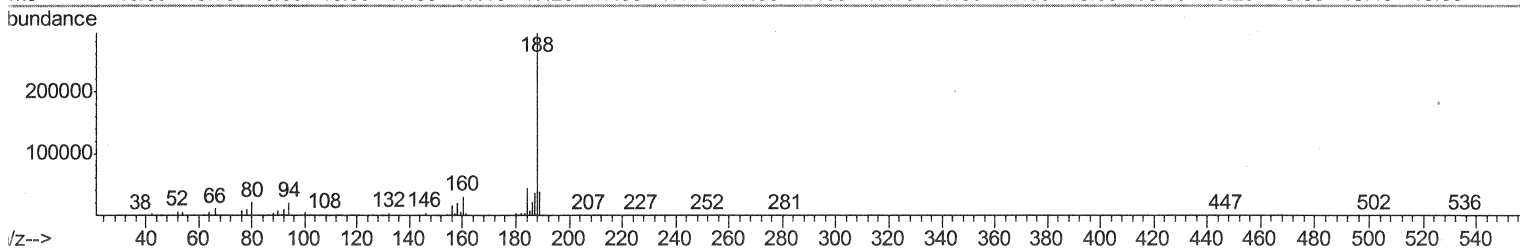
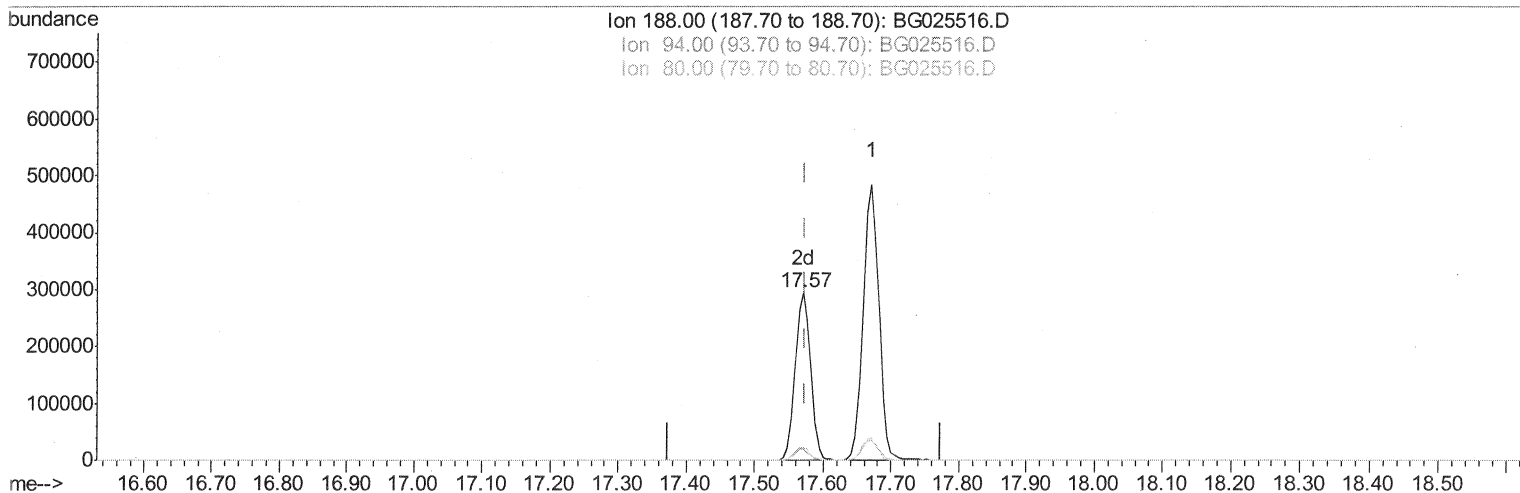
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011317\  
Data File : BG025516.D  
Acq On : 13 Jan 2017 18:18  
Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

Quant Time: Jan 16 00:16:27 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG010417MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Jan 15 23:58:34 2017  
Response via : Initial Calibration



TIC: BG025516.D

(61) Phenanthrene-d10 (I)

17.570min (-0.003) 20.00ng/ul m

SJ 1/17/17

response 462938

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 9.00 | 7.09# |
| 80.00  | 9.70 | 7.34# |
| 0.00   | 0.00 | 0.00  |

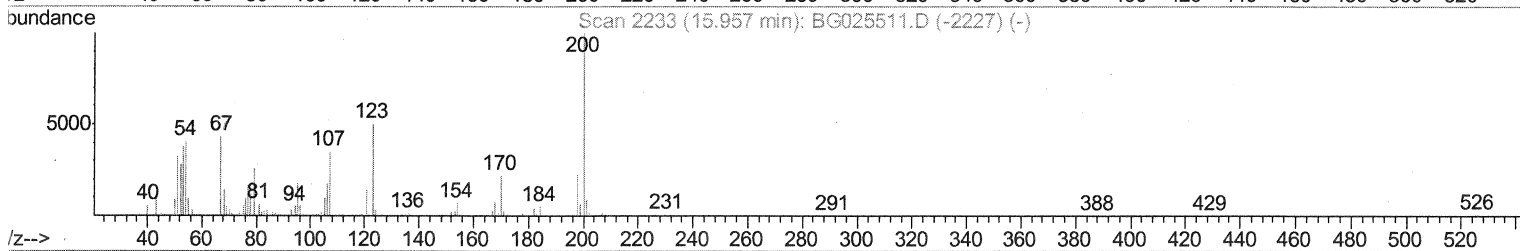
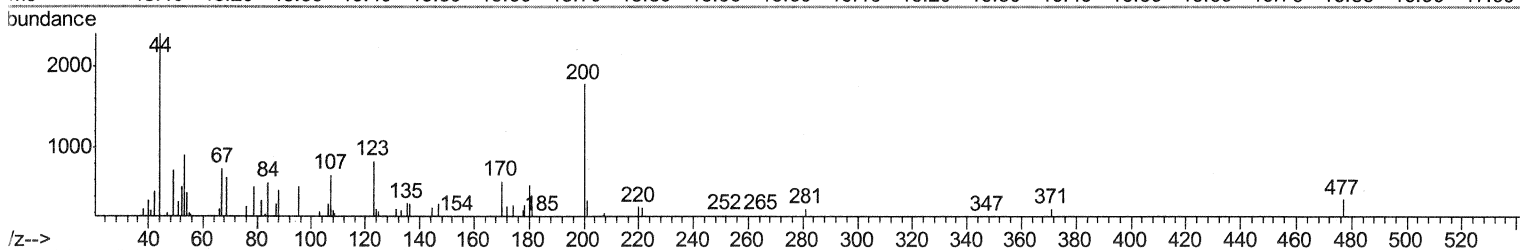
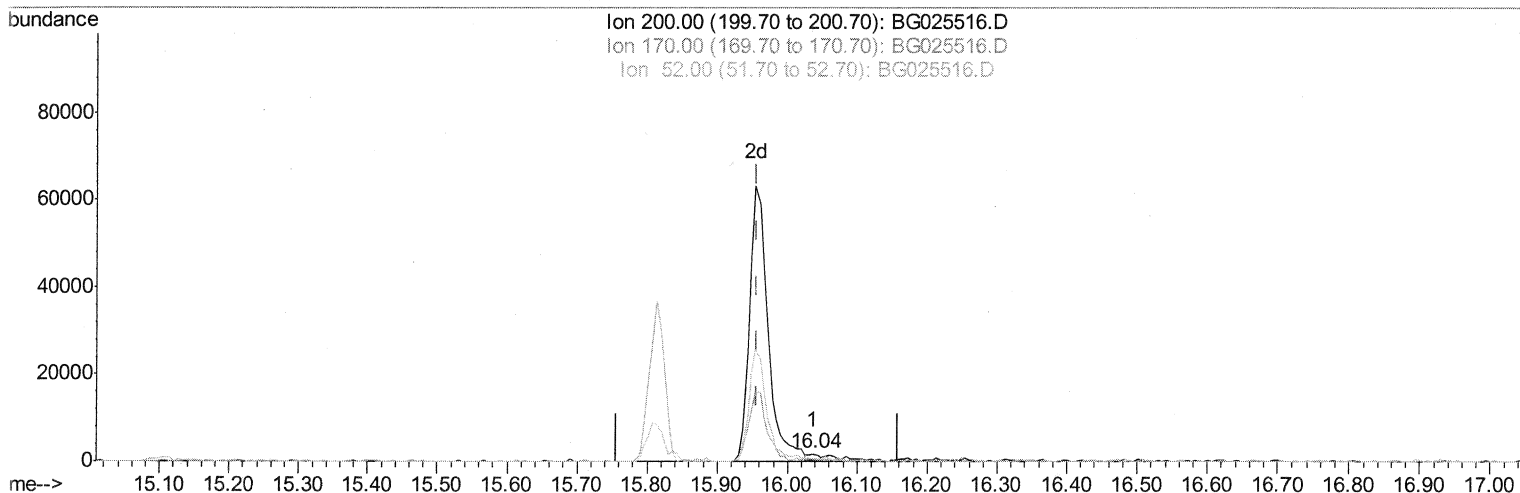
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Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

Quant Time: Jan 16 00:26:24 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG010417MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Jan 15 23:58:34 2017  
Response via : Initial Calibration



TIC: BG025516.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.037min (+0.079) 0.53ng/ul

response 1555

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 22.40 | 32.70# |
| 52.00  | 33.60 | 29.26  |
| 0.00   | 0.00  | 0.00   |

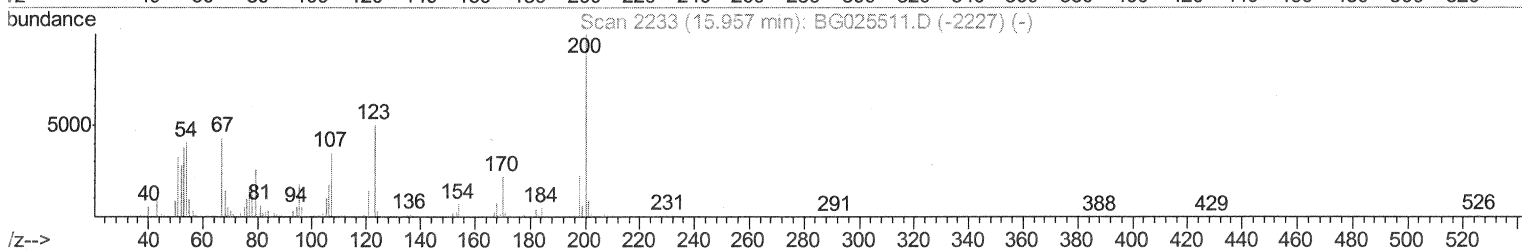
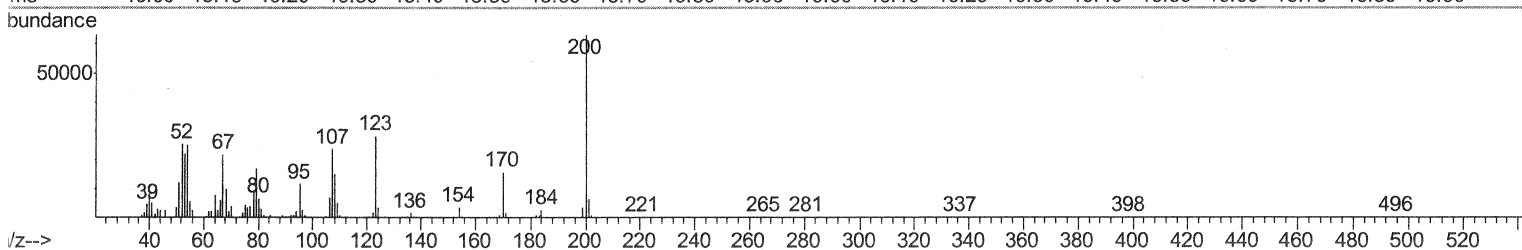
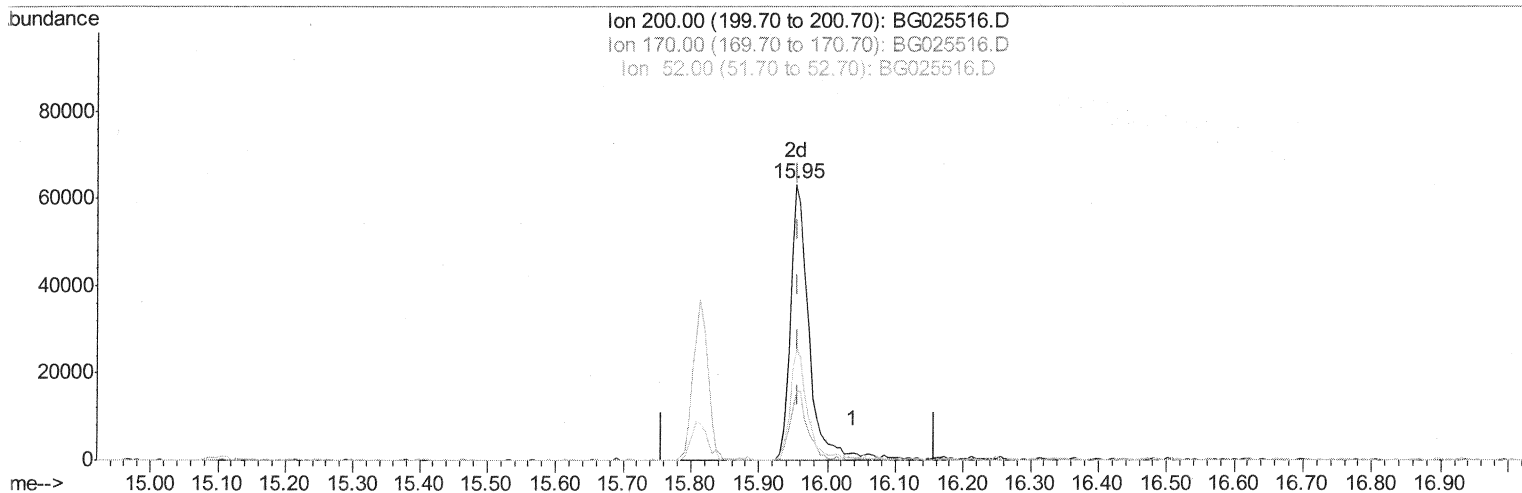
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011317\  
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Acq On : 13 Jan 2017 18:18  
Operator : UM/SJ  
Sample : I1159-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA4

Manual Integrations  
APPROVED

Sohil  
1/16/2017 8:29:58 AM

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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BG025516.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.955min (-0.003) 39.10ng/ul m

SJ 1/12/17

response 115097

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 22.40 | 25.14  |
| 52.00  | 33.60 | 40.53# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011317\  
 Data File : BG025516.D  
 Acq On : 13 Jan 2017 18:18  
 Operator : UM/SJ  
 Sample : I1159-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AA4

Manual Integrations  
 APPROVED

Sohil  
 1/16/2017 8:29:58 AM

Quant Time: Jan 16 00:26:46 2017  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Jan 15 23:58:34 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.20  | 152  | 55585    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.03 | 136  | 236359   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.83 | 164  | 190048   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.57 | 188  | 462938m  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.86 | 240  | 673229   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 25.26 | 264  | 697596   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 1725m   | 1.68  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.38  | 99  | 25632   | 5.88  | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.52  | 67  | 105222  | 37.22 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.73  | 132 | 82023   | 25.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.92  | 113 | 41631   | 11.52 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.38  | 128 | 59098   | 35.87 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 73818   | 37.55 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.66 | 165 | 108102  | 29.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.22 | 131 | 1425m   | 0.34  | ng/ul | 0.04 |
| 43) Dimethylphthalate-d6       | 14.22 | 166 | 505169  | 38.59 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.52 | 160 | 524311  | 36.39 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.11 | 143 | 9934m   | 5.47  | ng/ul | 0.04 |
| 57) Fluorene-d10               | 15.81 | 176 | 459137  | 37.62 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.95 | 200 | 115097m | 39.10 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.67 | 188 | 781020  | 39.77 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.94 | 212 | 1077241 | 41.43 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 25.02 | 264 | 1172857 | 40.67 | ng/ul | 0.00 |

Target Compounds Qvalue

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