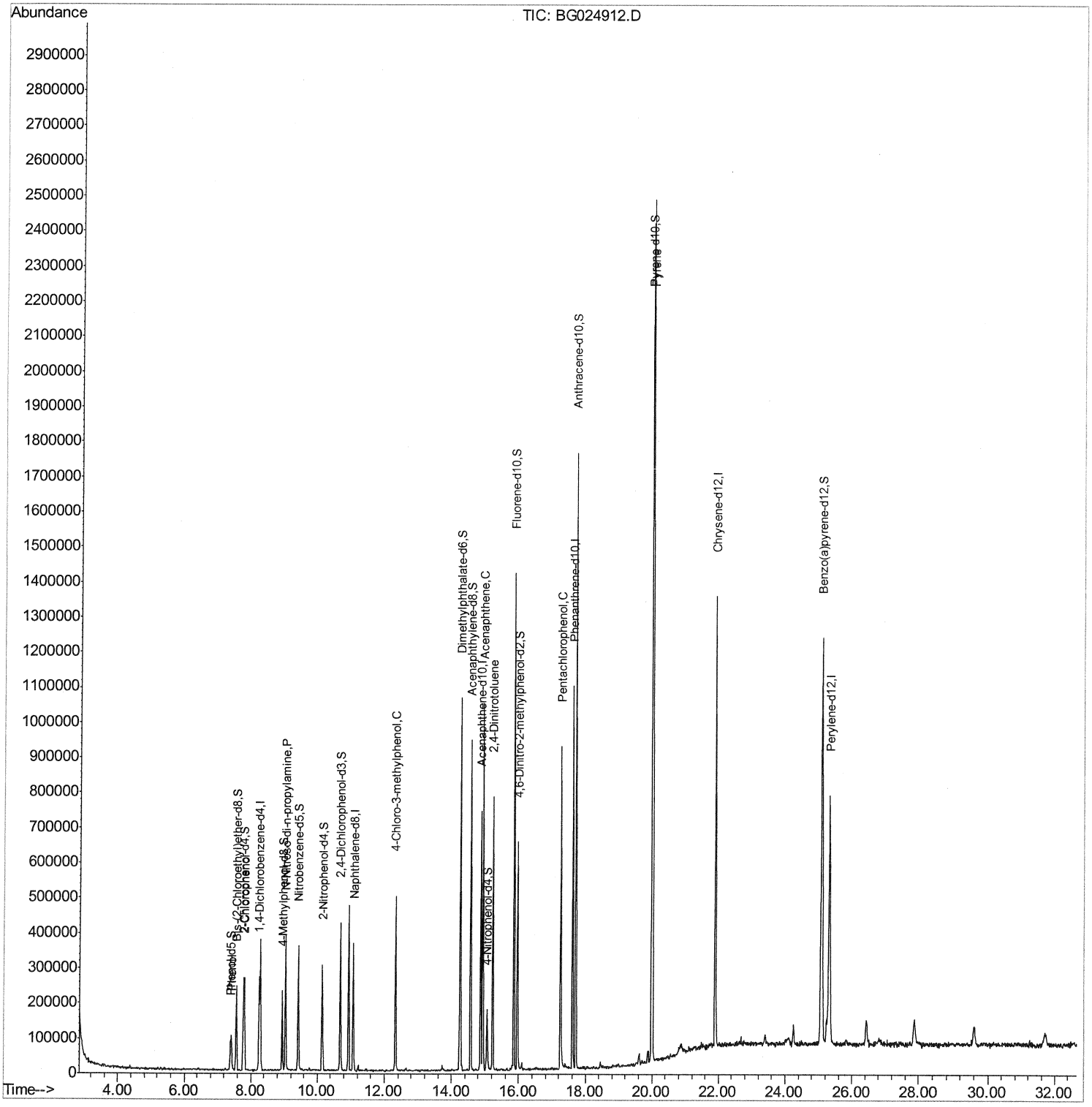
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024912.D
Acq On : 23 Nov 2016 18:30
Operator : UM/SJ
Sample : H5716-14MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 24 01:21:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
A4WH5MSD

**Manual Integrations APPROVED**
sohil
11/28/2016 4:48:11 PM

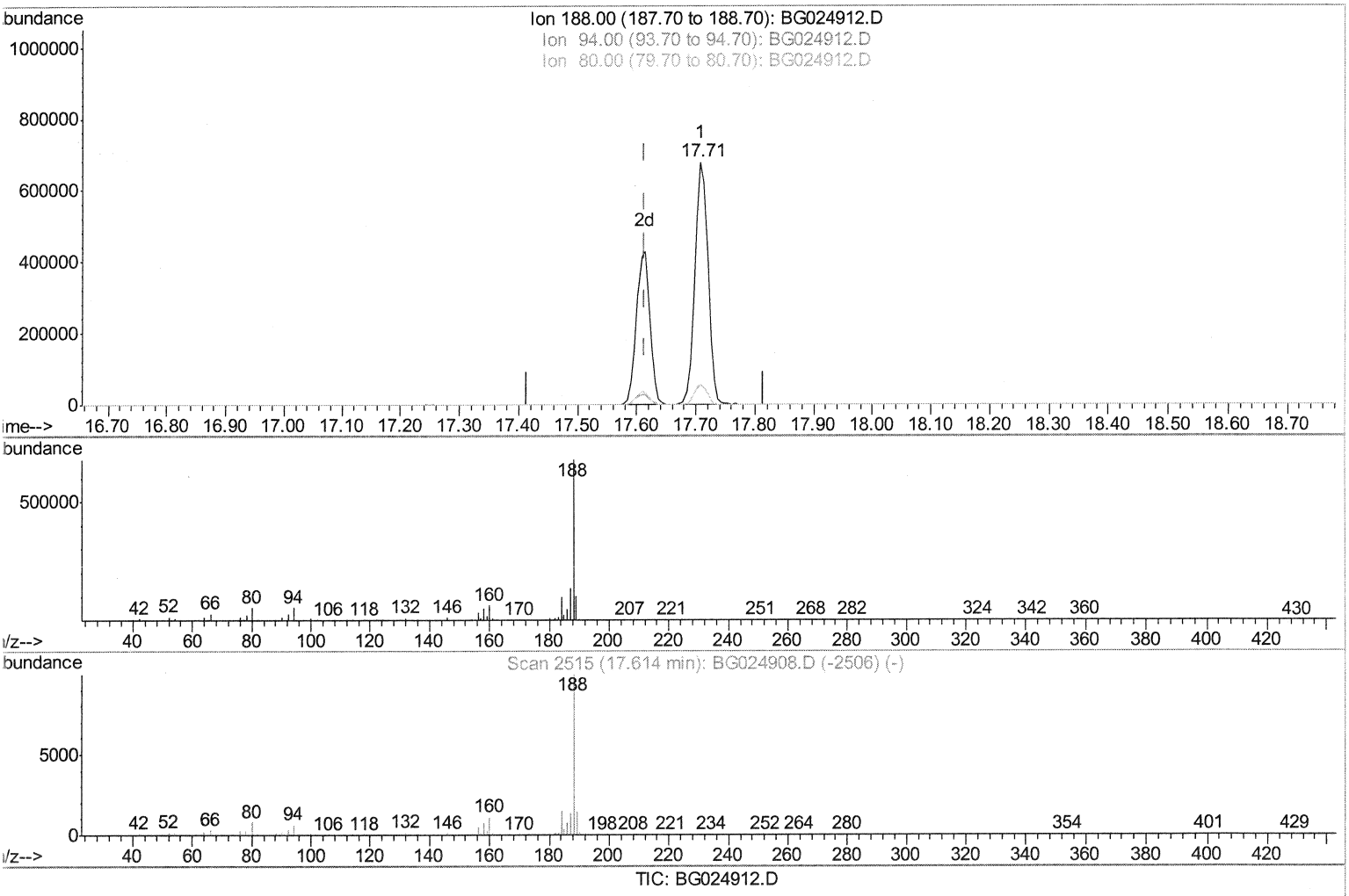


Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024912.D
Acq On : 23 Nov 2016 18:30
Operator : UM/SJ
Sample : H5716-14MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 24 01:12:28 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
A4WH5MSD

**Manual Integrations APPROVED**
sohil
11/28/2016 4:48:11 PM




TIC: BG024912.D

(61) Phenanthrene-d10 (I)

17.708min (+0.094) 20.00ng/ul

response 1043209

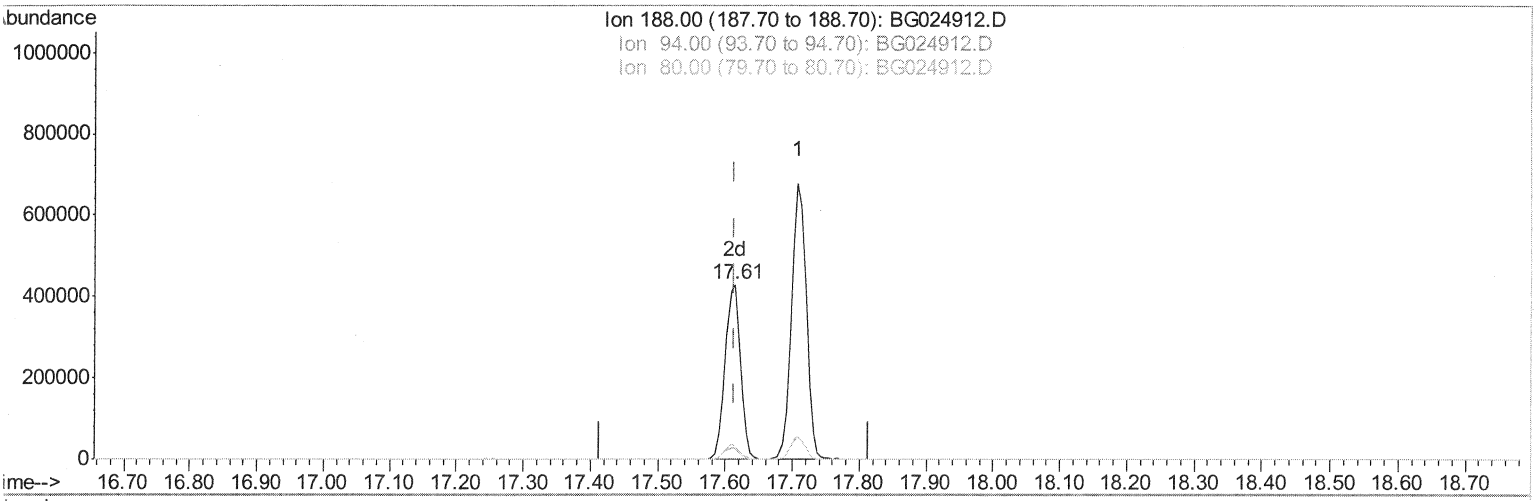
| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 8.80 | 8.15 |
| 80.00 | 9.50 | 8.12 |
| 0.00 | 0.00 | 0.00 |

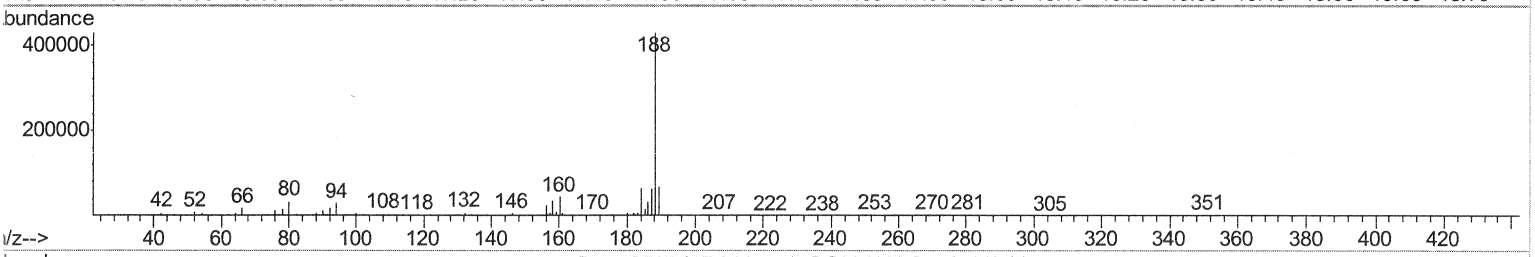
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024912.D
Acq On : 23 Nov 2016 18:30
Operator : UM/SJ
Sample : H5716-14MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

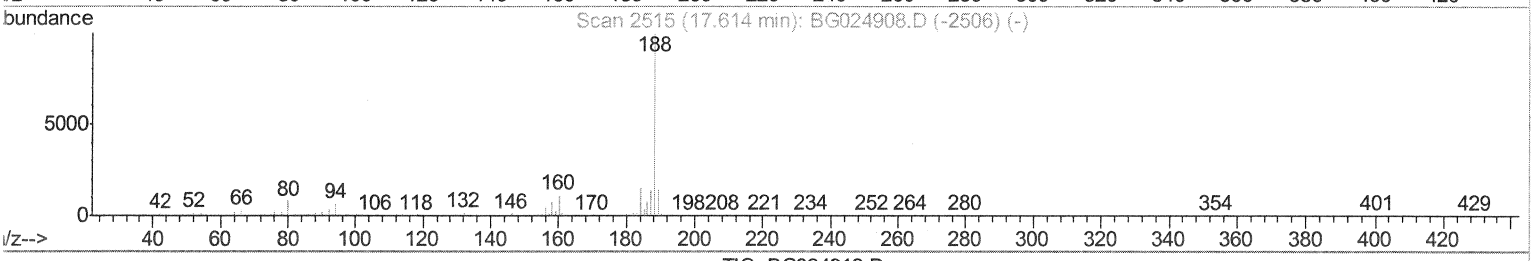
Quant Time: Nov 24 01:12:28 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
A4WH5MSD

**Manual Integrations APPROVED**
sohil
11/28/2016 4:48:11 PM




TIC: BG024912.D

(61) Phenanthrene-d10 (I)

17.614min (-0.000) 20.00ng/ul m UM

response 674019 11/23/16

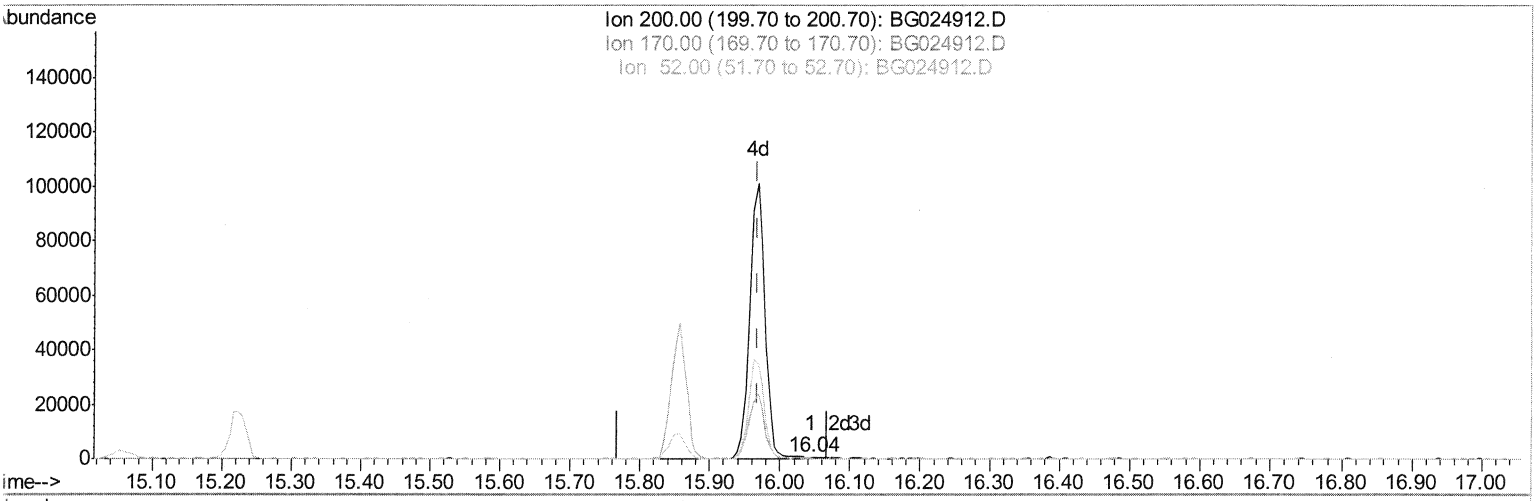
| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 8.80 | 6.60# |
| 80.00 | 9.50 | 7.76 |
| 0.00 | 0.00 | 0.00 |

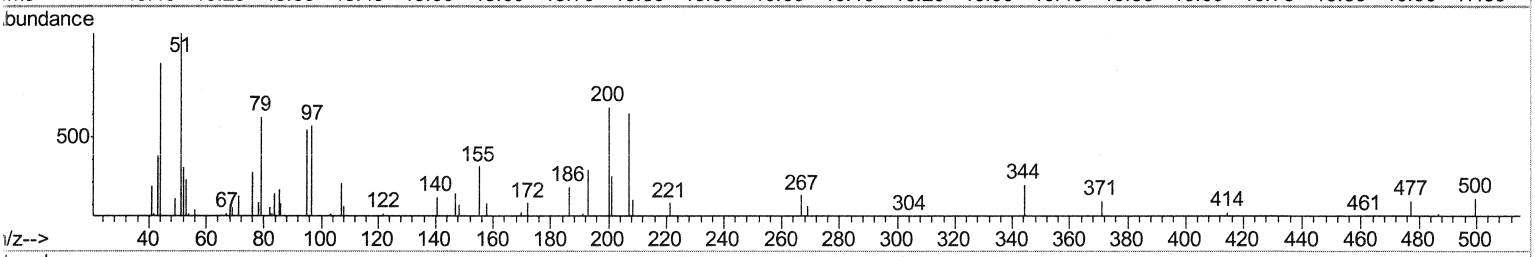
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024912.D
Acq On : 23 Nov 2016 18:30
Operator : UM/SJ
Sample : H5716-14MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

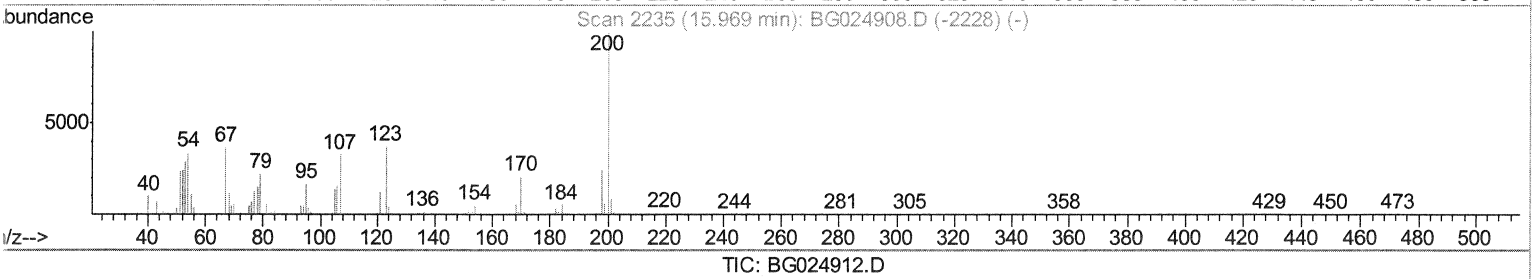
Quant Time: Nov 24 01:20:45 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
A4WH5MSD

**Manual Integrations APPROVED**
sohil
11/28/2016 4:48:11 PM




TIC: BG024912.D

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

16.045min (+0.076) 0.09ng/ul

response 444

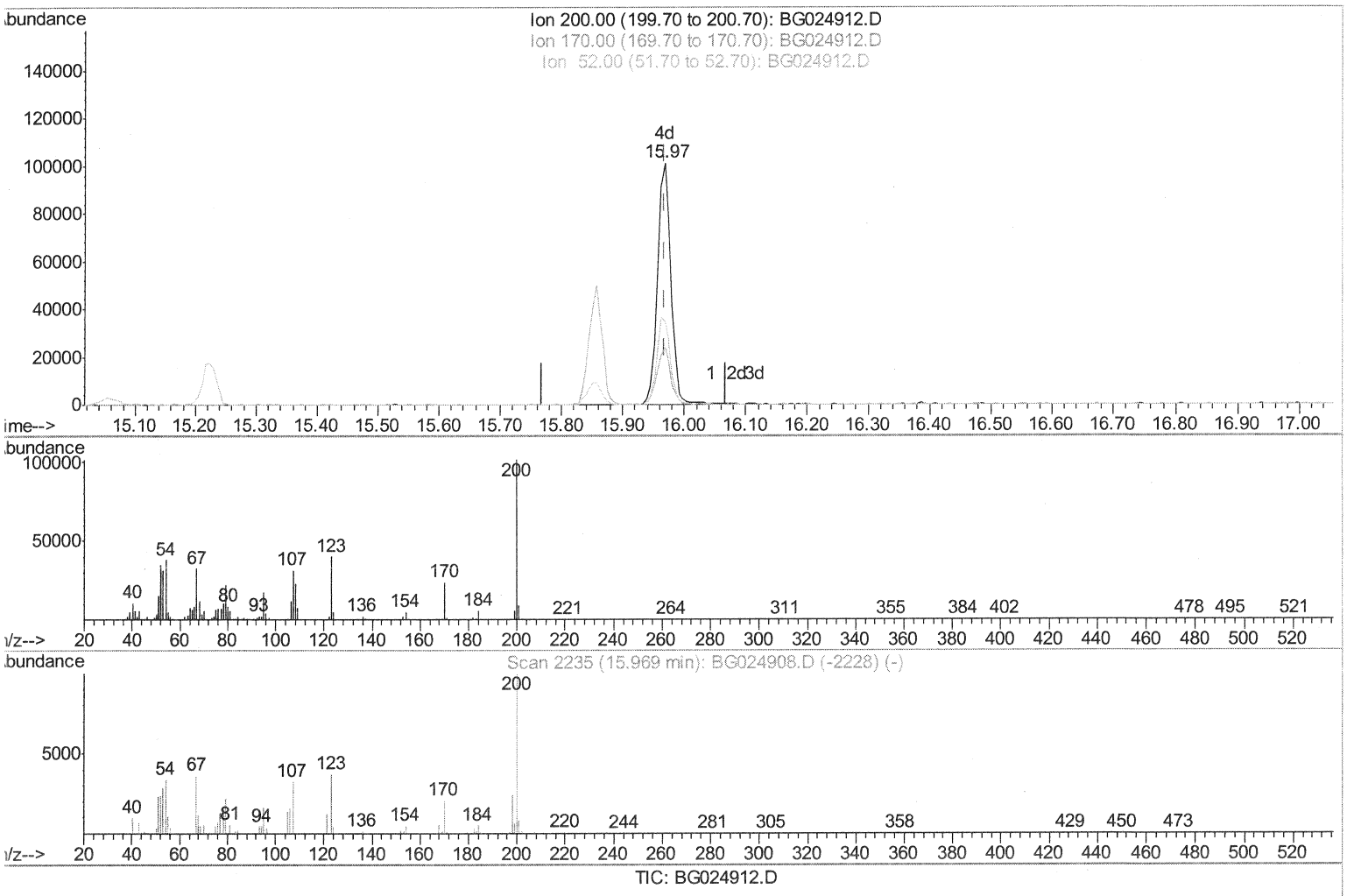
| Ion | Exp% | Act% |
|---|---|---|
| 200.00 | 100 | 100 |
| 170.00 | 23.20 | 26.81 |
| 52.00 | 47.20 | 57.57# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024912.D
Acq On : 23 Nov 2016 18:30
Operator : UM/SJ
Sample : H5716-14MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 24 01:20:45 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
A4WH5MSD

**Manual Integrations APPROVED**
sohil
11/28/2016 4:48:11 PM




TIC: BG024912.D

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

15.968min (-0.000) 31.94ng/ul m

response 152807

UM
11/28/16

| Ion | Exp% | Act% |
|---|---|---|
| 200.00 | 100 | 100 |
| 170.00 | 23.20 | 23.57 |
| 52.00 | 47.20 | 34.16# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024912.D
Acq On : 23 Nov 2016 18:30
Operator : UM/SJ
Sample : H5716-14MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 24 01:21:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** A4WH5MSD

**Manual Integrations APPROVED**
sohil
11/28/2016 4:48:11 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.25 | 152 | 65587 | 20.00 | ng/ul | 0.00 | |
| 18) Naphthalene-d8 | 11.07 | 136 | 295706 | 20.00 | ng/ul | 0.00 | |
| 35) Acenaphthene-d10 | 14.87 | 164 | 274879 | 20.00 | ng/ul | 0.00 | |
| 61) Phenanthrene-d10 | 17.61 | 188 | 674019m | 20.00 | ng/ul | 0.00 | UM 11/28/16 |
| 75) Chrysene-d12 | 21.90 | 240 | 904516 | 20.00 | ng/ul | 0.00 | |
| 83) Perylene-d12 | 25.32 | 264 | 916106 | 20.00 | ng/ul | 0.00 | |
| **System Monitoring Compounds** | | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.61 | 96 | 2515 | 1.82 | ng/uL | 0.00 | |
| 5) Phenol-d5 | 7.38 | 99 | 41323 | 6.73 | ng/ul | 0.00 | |
| 7) Bis-(2-Chloroethyl)ether-d | 7.56 | 67 | 127282 | 34.26 | ng/ul | 0.00 | |
| 9) 2-Chlorophenol-d4 | 7.77 | 132 | 114824 | 26.87 | ng/ul | 0.00 | |
| 13) 4-Methylphenol-d8 | 8.95 | 113 | 80929 | 15.51 | ng/ul | 0.00 | |
| 19) Nitrobenzene-d5 | 9.42 | 128 | 77421 | 33.22 | ng/ul | 0.00 | |
| 22) 2-Nitrophenol-d4 | 10.15 | 143 | 90808 | 33.36 | ng/ul | 0.00 | |
| 26) 2,4-Dichlorophenol-d3 | 10.69 | 165 | 157595 | 28.68 | ng/ul | 0.00 | |
| 29) 4-Chloroaniline-d4 | 11.22 | 131 | 6766 | 1.11 | ng/ul | 0.00 | |
| 43) Dimethylphthalate-d6 | 14.26 | 166 | 668671 | 33.08 | ng/ul | 0.00 | |
| 46) Acenaphthylene-d8 | 14.56 | 160 | 691307 | 31.09 | ng/ul | 0.00 | |
| 51) 4-Nitrophenol-d4 | 15.05 | 143 | 26239 | 7.38 | ng/ul | 0.00 | |
| 57) Fluorene-d10 | 15.86 | 176 | 582160 | 31.15 | ng/ul | 0.00 | |
| 62) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 152807m | 31.94 | ng/ul | 0.00 | UM 11/28/16 |
| 70) Anthracene-d10 | 17.71 | 188 | 1042224 | 33.99 | ng/ul | 0.00 | |
| 76) Pyrene-d10 | 19.98 | 212 | 1367576 | 33.95 | ng/ul | 0.00 | |
| 87) Benzo(a)pyrene-d12 | 25.09 | 264 | 1422975 | 34.93 | ng/ul | 0.00 | |
| **Target Compounds** | | | | | | Qvalue | |
| 6) Phenol | 7.42 | 94 | 53232 | 8.52 | ng/ul | 91 | |
| 10) 2-Chlorophenol | 7.81 | 128 | 104807 | 25.17 | ng/ul | 86 | |
| 15) N-Nitroso-di-n-propylamine | 9.04 | 70 | 137138 | 30.56 | ng/ul | 90 | |
| 33) 4-Chloro-3-methylphenol | 12.33 | 107 | 174065 | 26.02 | ng/ul | 97 | |
| 49) Acenaphthene | 14.93 | 153 | 438494 | 29.65 | ng/ul | 98 | |
| 52) 4-Nitrophenol | 15.06 | 109 | 29510 | 7.12 | ng/ul | 93 | |
| 54) 2,4-Dinitrotoluene | 15.22 | 165 | 217850 | 34.13 | ng/ul# | 94 | |
| 68) Pentachlorophenol | 17.26 | 266 | 188483 | 34.55 | ng/ul | 96 | |
| 77) Pyrene | 20.01 | 202 | 1535153 | 32.75 | ng/ul | 98 | |

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