

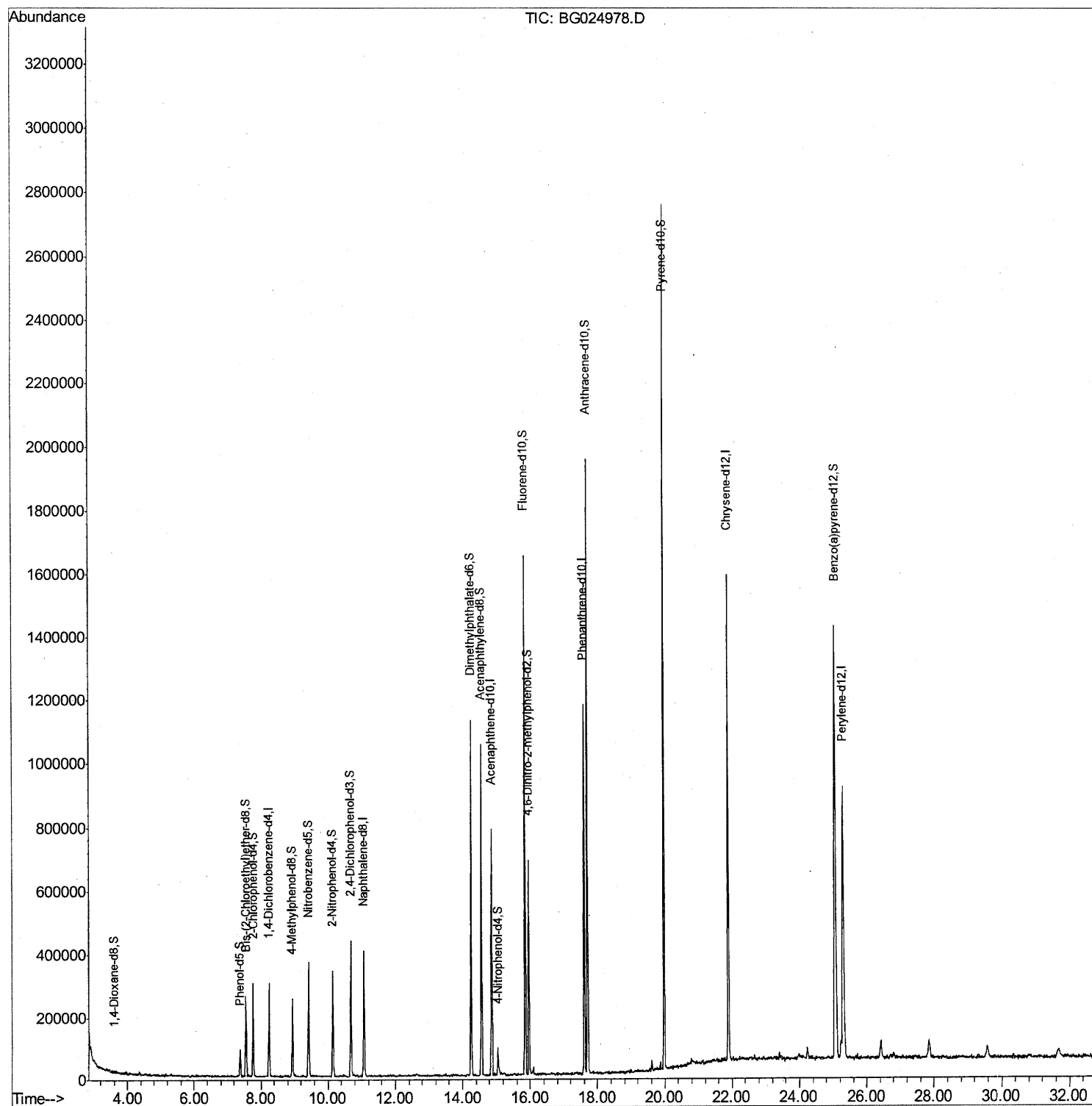
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
Data File : BG024978.D  
Acq On : 6 Dec 2016 13:50  
Operator : UM/SJ  
Sample : H5733-12  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YA8Z9

Manual Integrations  
APPROVED

sohil  
12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:54:08 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 07 02:35:14 2016  
Response via : Initial Calibration



# Quantitation Report (Qedit)

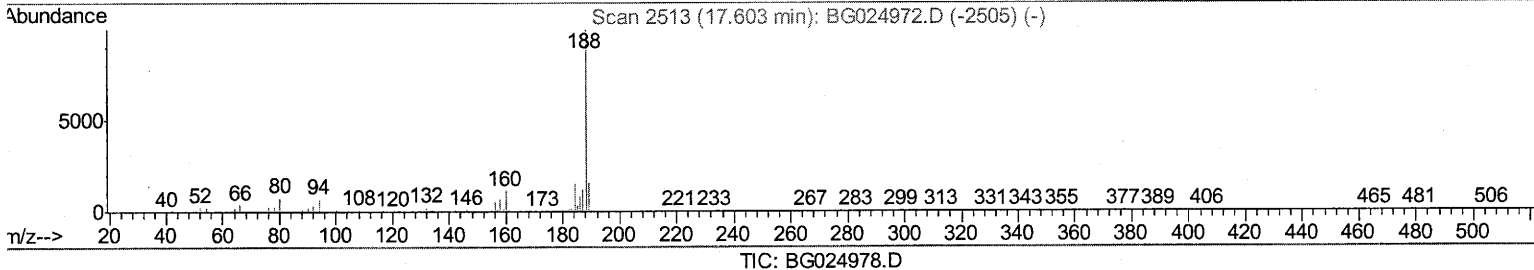
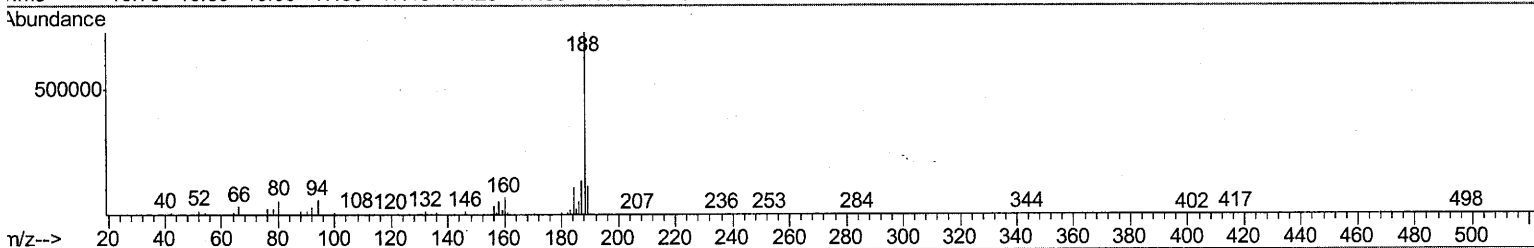
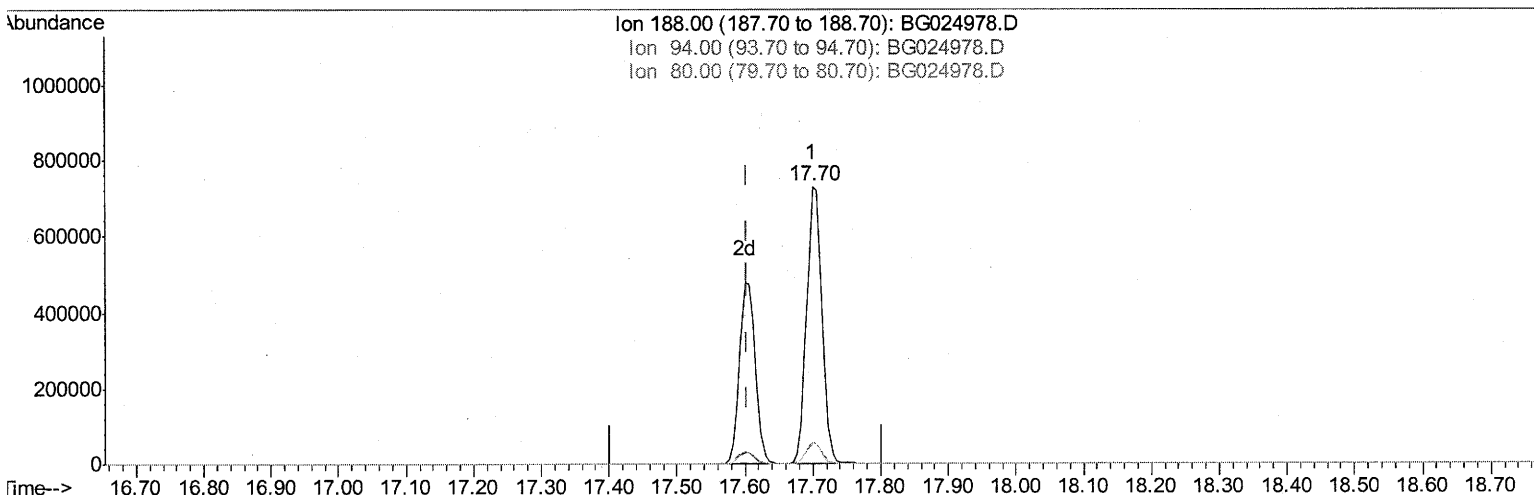
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
 Data File : BG024978.D  
 Acq On : 6 Dec 2016 13:50  
 Operator : UM/SJ  
 Sample : H5733-12  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 YA8Z9

Manual Integrations  
 APPROVED

sohil  
 12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:38:35 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 07 02:35:14 2016  
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.700min (+0.097) 20.00ng/ul

response 1170081

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 8.80 | 7.96 |
| 80.00  | 9.50 | 7.87 |
| 0.00   | 0.00 | 0.00 |

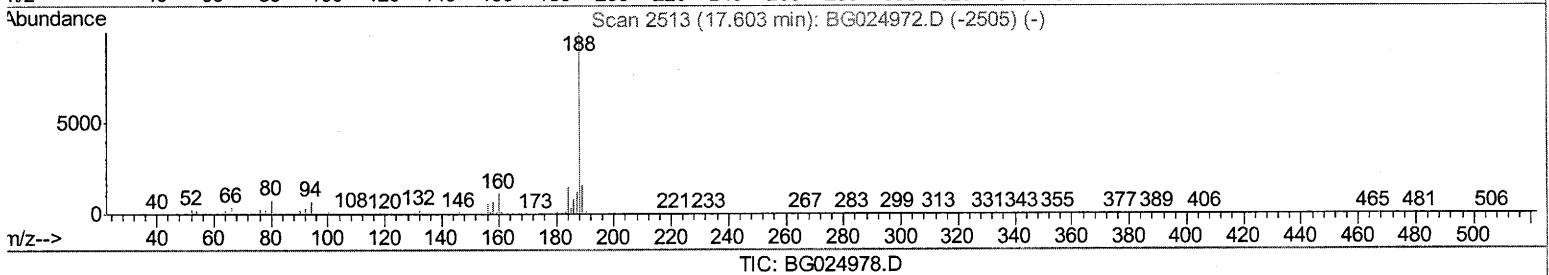
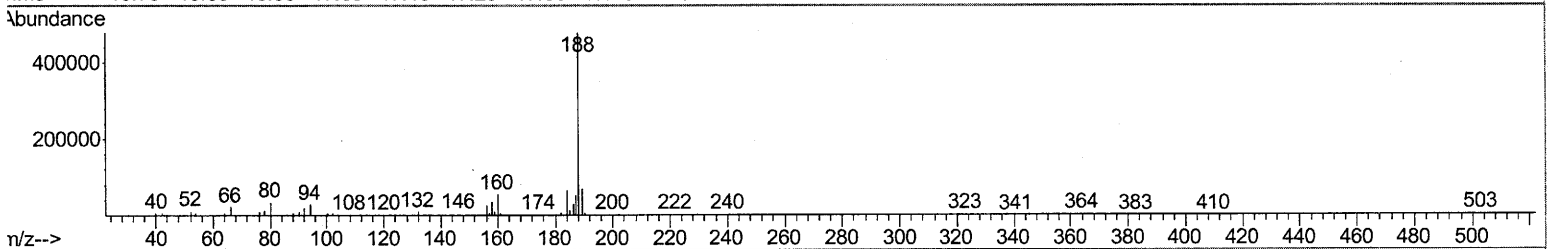
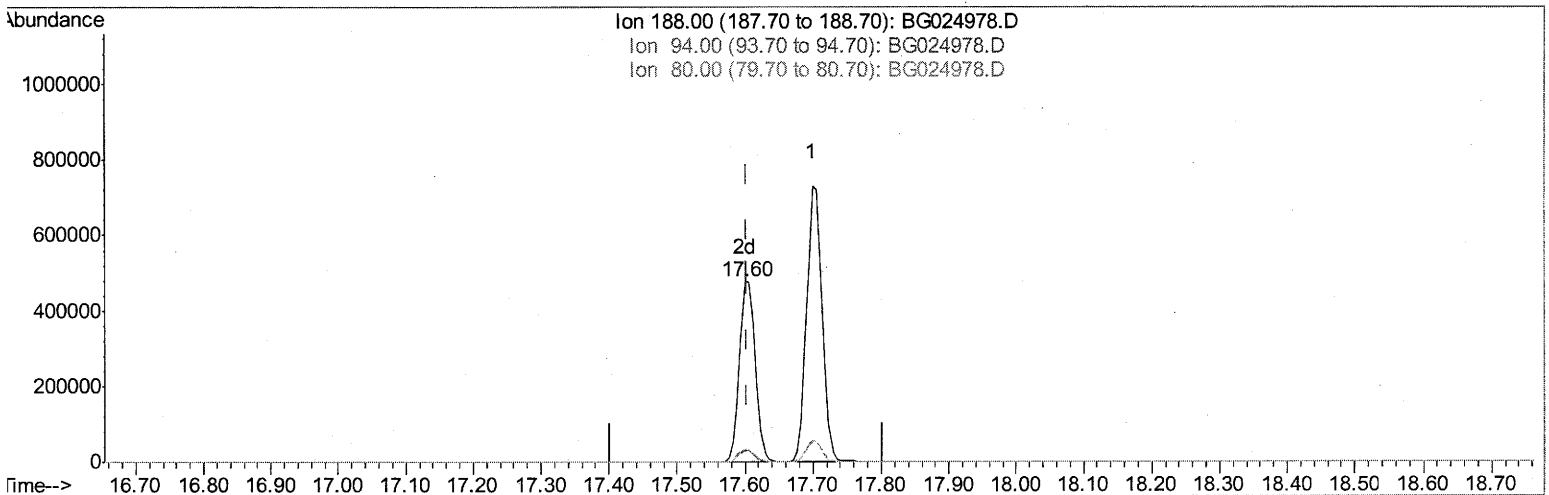
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
Data File : BG024978.D  
Acq On : 6 Dec 2016 13:50  
Operator : UM/SJ  
Sample : H5733-12  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YA8Z9

Manual Integrations  
APPROVED

sohil  
12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:38:35 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 07 02:35:14 2016  
Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.600min (-0.003) 20.00ng/ul m

response 769040

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 8.80 | 6.00# |
| 80.00  | 9.50 | 7.19# |
| 0.00   | 0.00 | 0.00  |

UM  
12/08/16

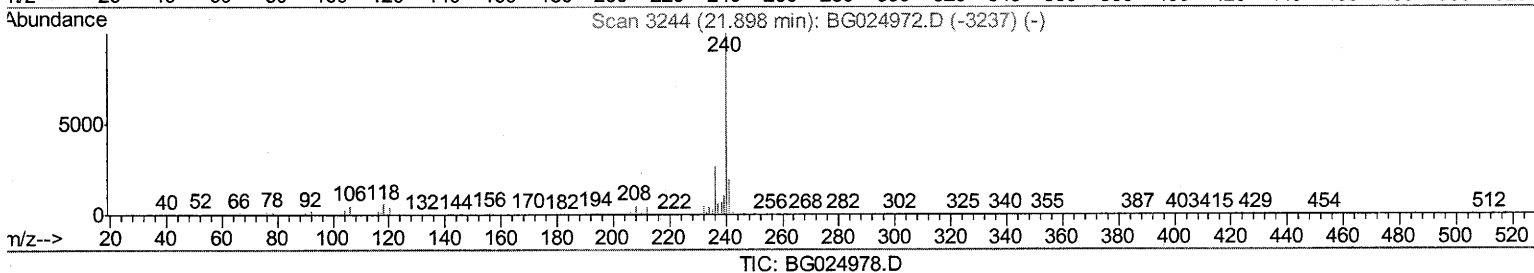
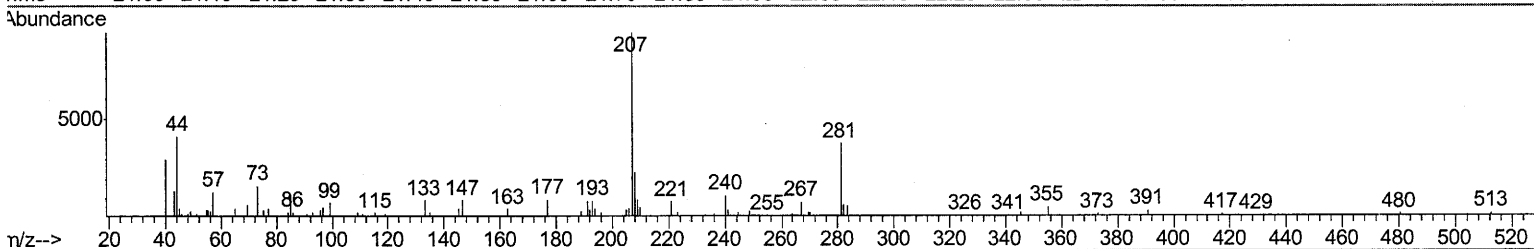
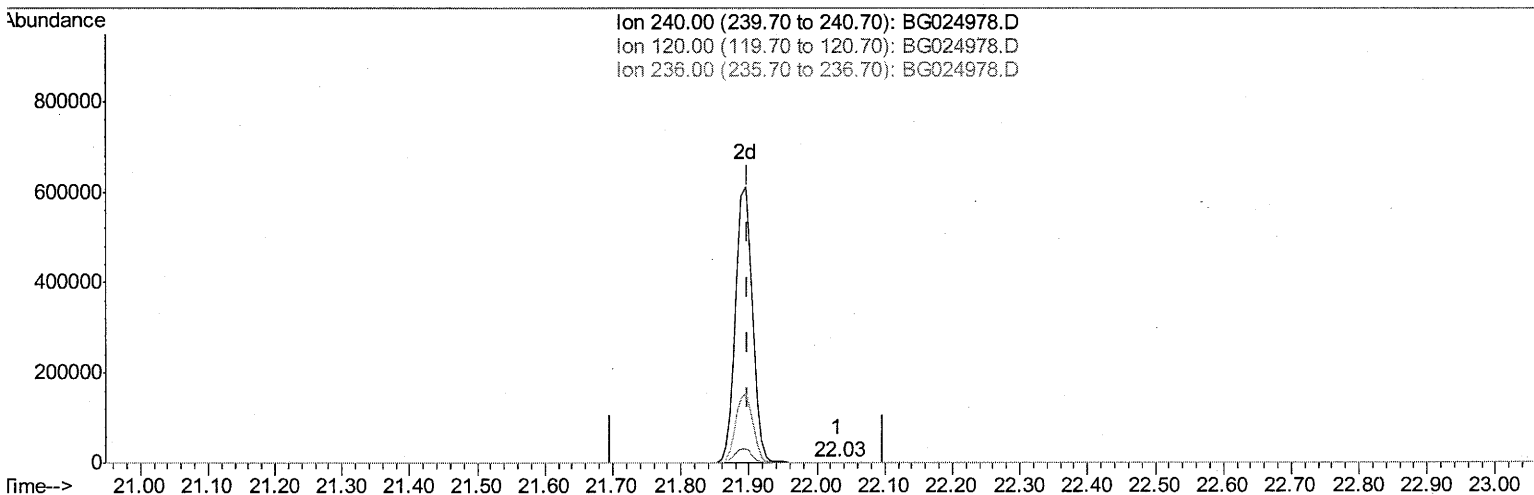
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
Data File : BG024978.D  
Acq On : 6 Dec 2016 13:50  
Operator : UM/SJ  
Sample : H5733-12  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YA8Z9

Manual Integrations  
APPROVED

sohil  
12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:38:35 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 07 02:35:14 2016  
Response via : Initial Calibration



(75) Chrysene-d12 (I)

22.030min (+0.132) 20.00ng/ul

response 1359

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 6.40  | 0.00# |
| 236.00 | 27.90 | 25.70 |
| 0.00   | 0.00  | 0.00  |

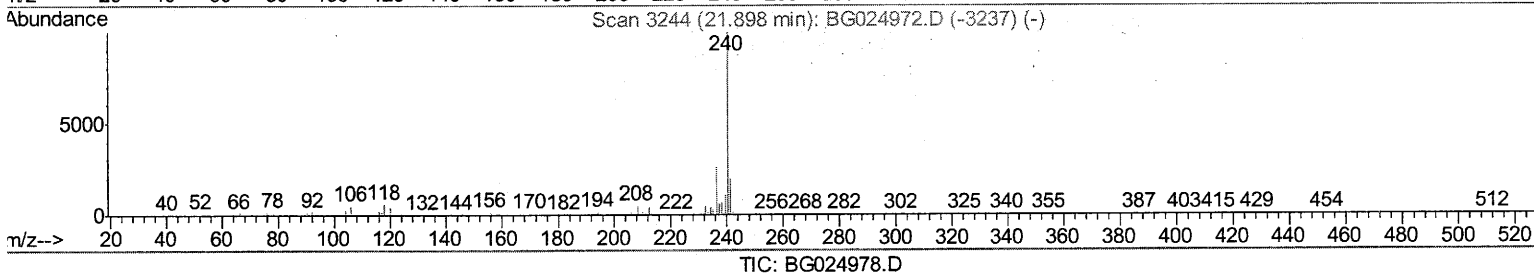
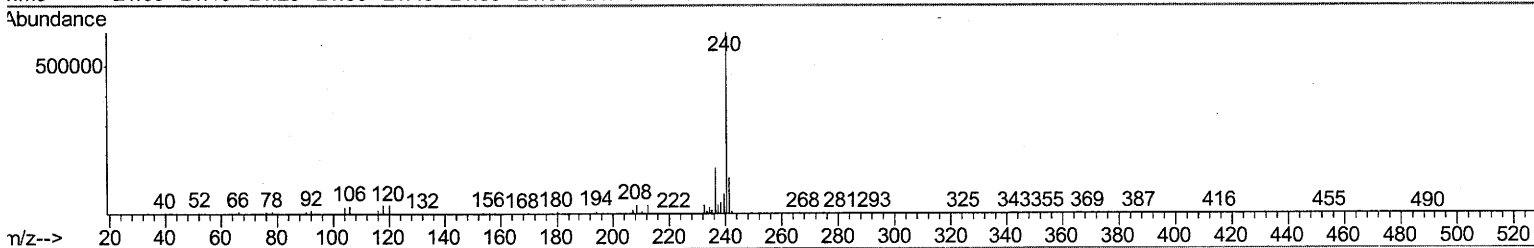
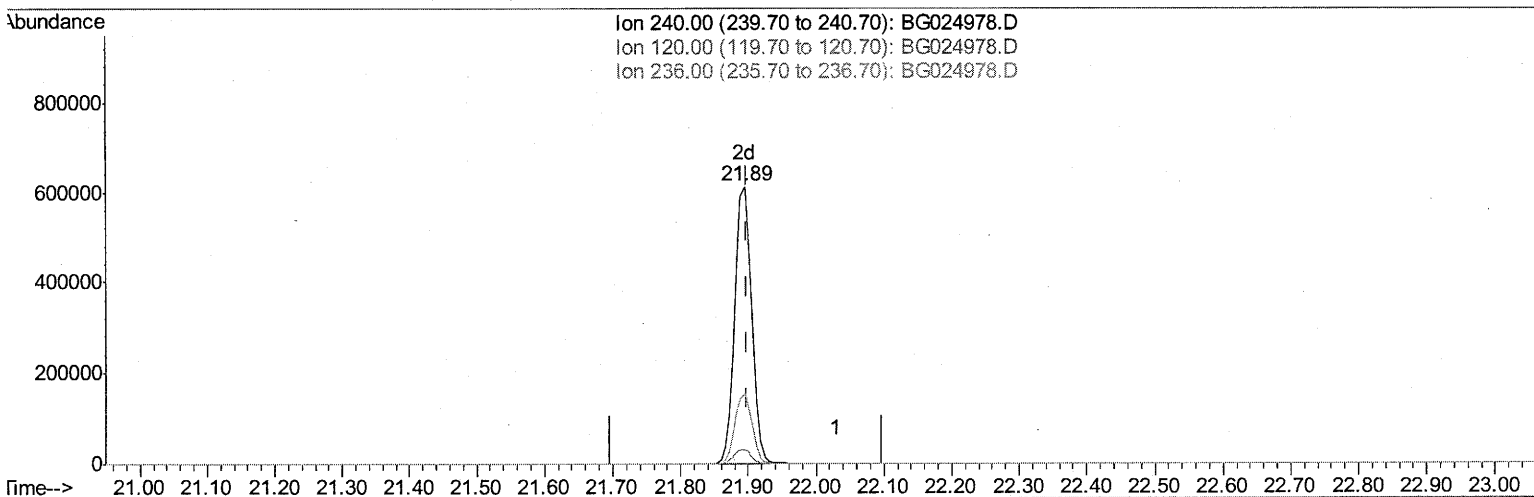
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
Data File : BG024978.D  
Acq On : 6 Dec 2016 13:50  
Operator : UM/SJ  
Sample : H5733-12  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YA8Z9

Manual Integrations  
APPROVED

sohil  
12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:38:35 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 07 02:35:14 2016  
Response via : Initial Calibration



(75) Chrysene-d12 (I)

21.895min (-0.003) 20.00ng/ul m

UM

response 1060243

12/08/16

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 6.40  | 4.81# |
| 236.00 | 27.90 | 25.20 |
| 0.00   | 0.00  | 0.00  |

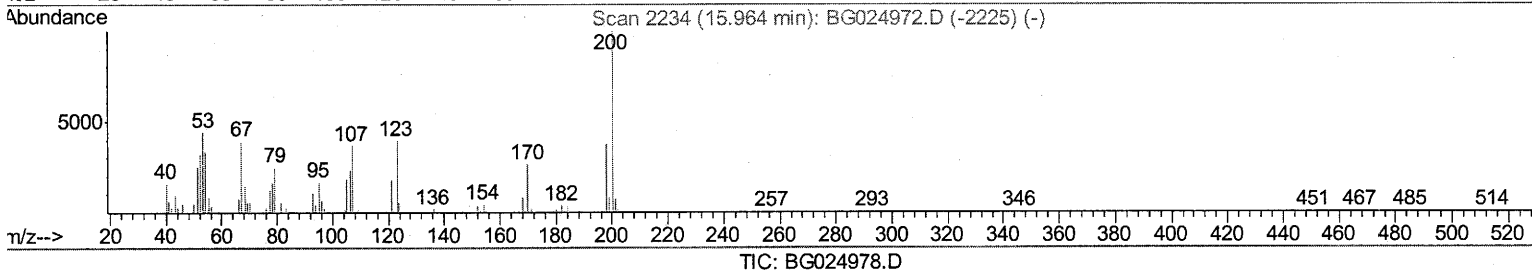
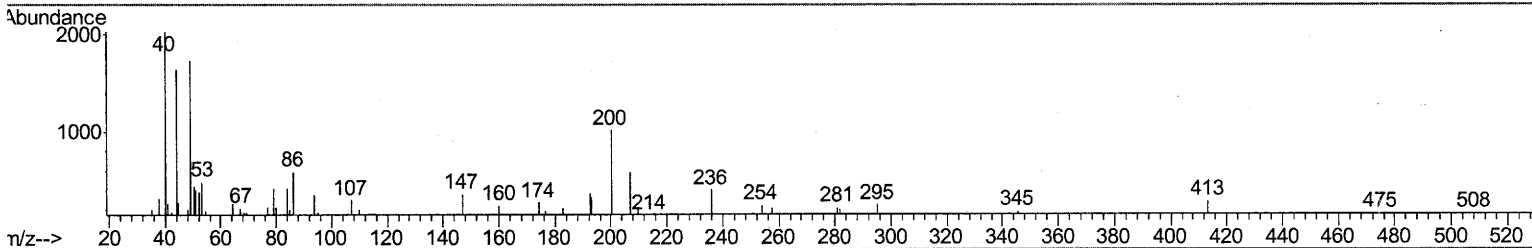
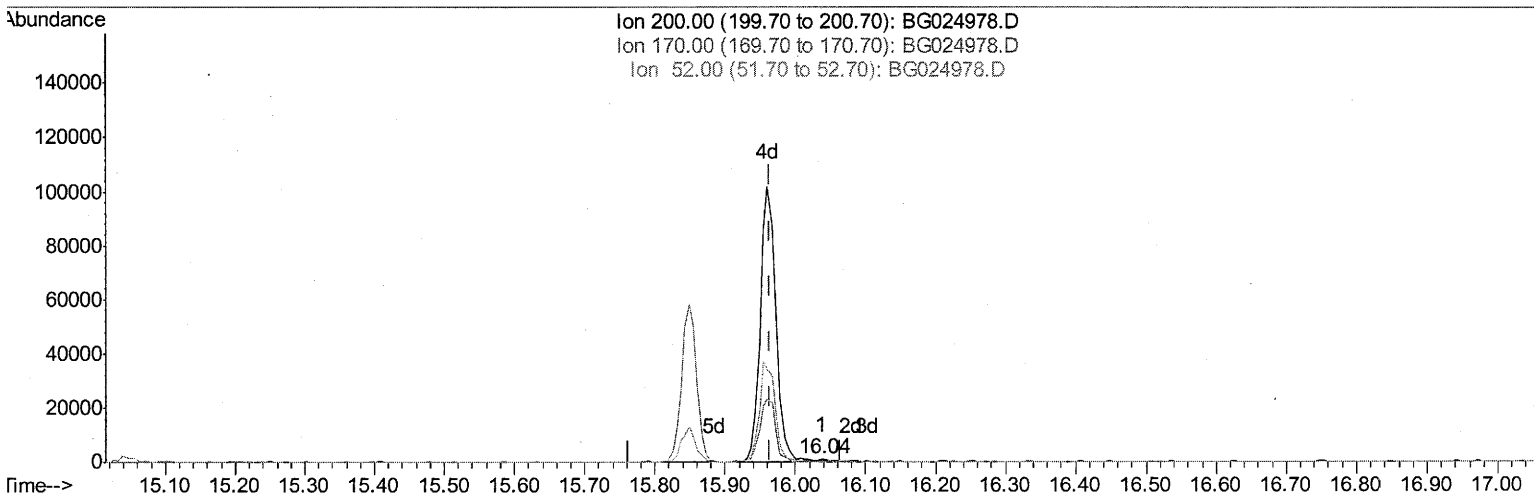
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
Data File : BG024978.D  
Acq On : 6 Dec 2016 13:50  
Operator : UM/SJ  
Sample : H5733-12  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YA8Z9

Manual Integrations  
APPROVED

sohil  
12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:53:14 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 07 02:35:14 2016  
Response via : Initial Calibration



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

16.037min (+0.073) 0.08ng/ul

response 404

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 23.20 | 0.00#  |
| 52.00  | 47.20 | 37.51# |
| 0.00   | 0.00  | 0.00   |

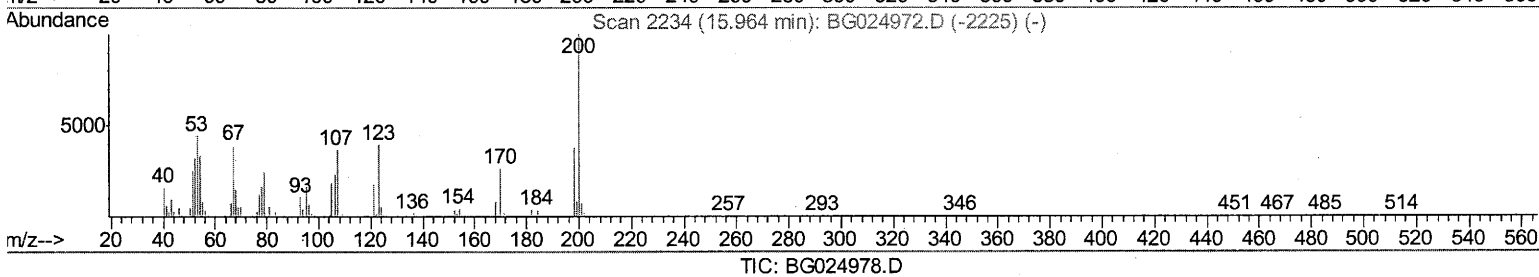
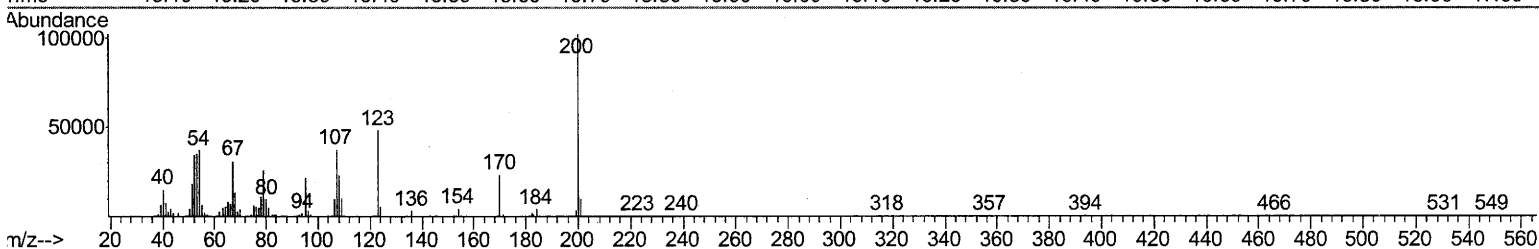
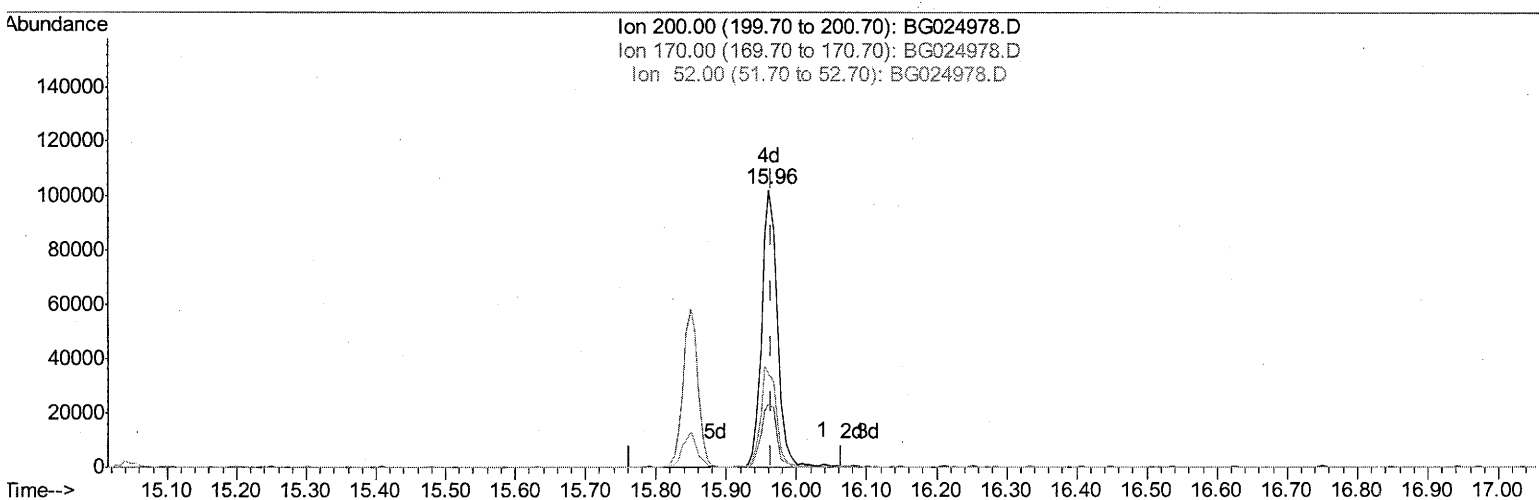
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
Data File : BG024978.D  
Acq On : 6 Dec 2016 13:50  
Operator : UM/SJ  
Sample : H5733-12  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YA8Z9

Manual Integrations  
APPROVED

sohil  
12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:53:14 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 07 02:35:14 2016  
Response via : Initial Calibration



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

15.961min (-0.003) 33.09ng/ul m

UM

response 157363

12/08/16

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 23.20 | 22.83  |
| 52.00  | 47.20 | 33.53# |
| 0.00   | 0.00  | 0.00   |

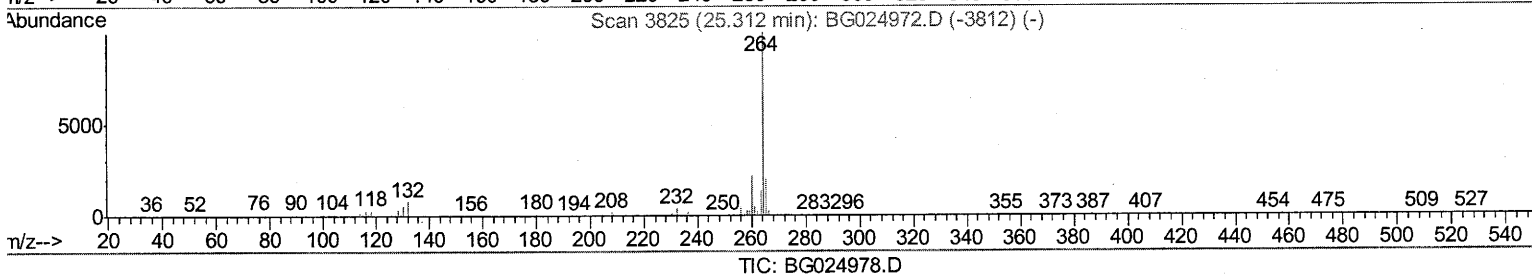
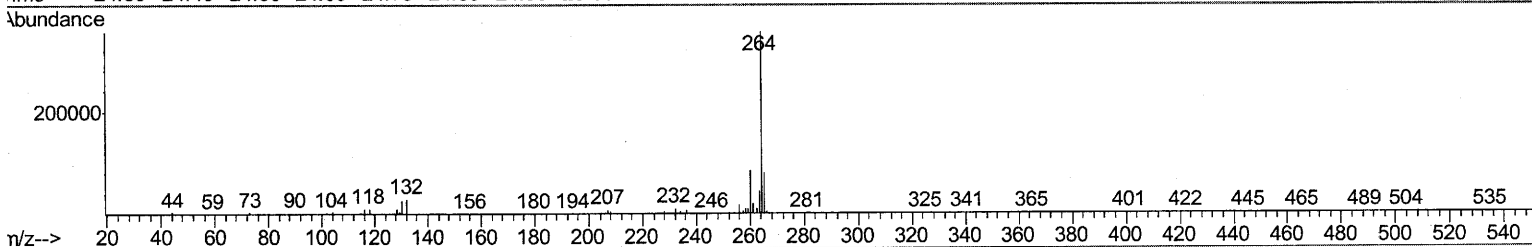
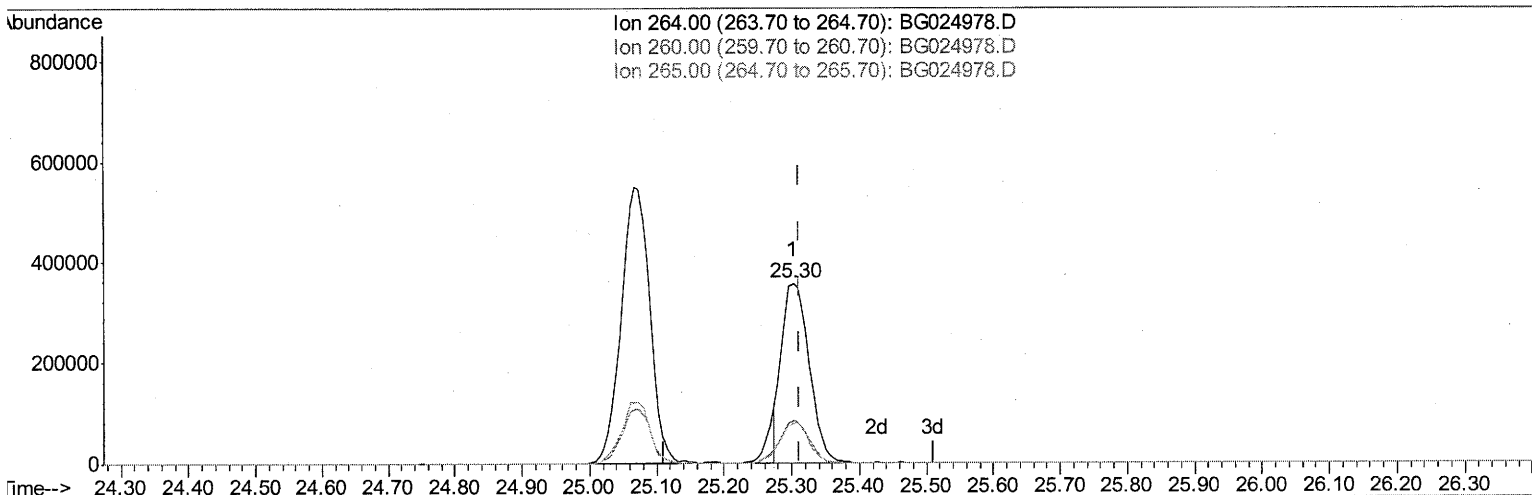
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
Data File : BG024978.D  
Acq On : 6 Dec 2016 13:50  
Operator : UM/SJ  
Sample : H5733-12  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YA8Z9

Manual Integrations  
APPROVED

sohil  
12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:53:14 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 07 02:35:14 2016  
Response via : Initial Calibration



(83) Perylene-d12 (I)

25.303min (-0.009) 20.00ng/ul

response 999563

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 260.00 | 23.90 | 23.98 |
| 265.00 | 20.60 | 22.53 |
| 0.00   | 0.00  | 0.00  |

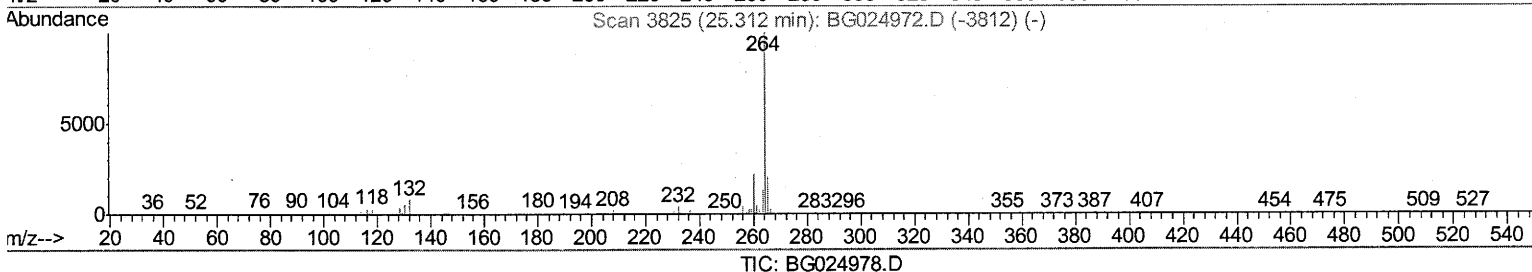
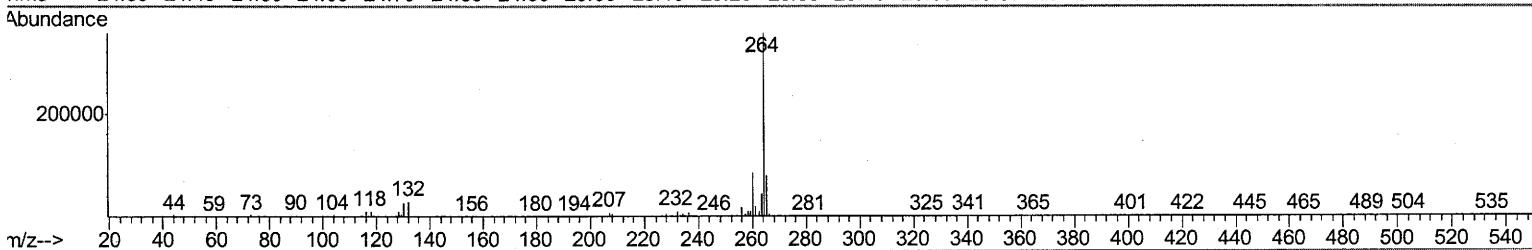
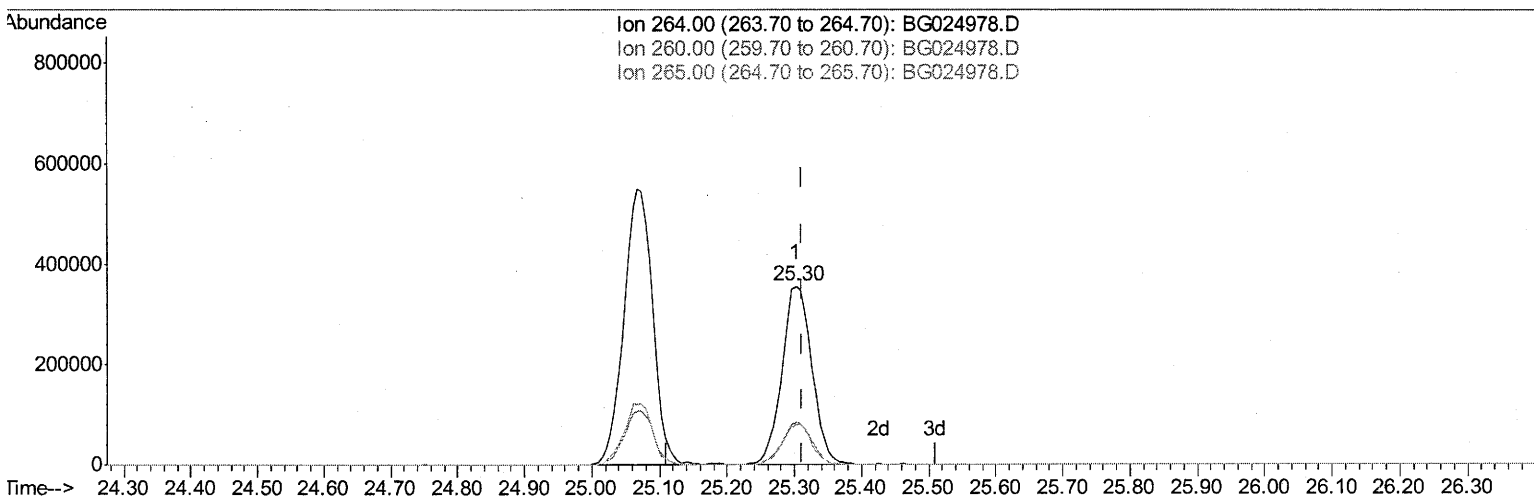
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
Data File : BG024978.D  
Acq On : 6 Dec 2016 13:50  
Operator : UM/SJ  
Sample : H5733-12  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YA8Z9

Manual Integrations  
APPROVED

sohil  
12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:53:14 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 07 02:35:14 2016  
Response via : Initial Calibration



(83) Perylene-d12 (I)

25.303min (-0.009) 20.00ng/ul m

response 1098097

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 260.00 | 23.90 | 23.98 |
| 265.00 | 20.60 | 22.53 |
| 0.00   | 0.00  | 0.00  |

UM  
12/1/16

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120616\  
 Data File : BG024978.D  
 Acq On : 6 Dec 2016 13:50  
 Operator : UM/SJ  
 Sample : H5733-12  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 YA8Z9

Manual Integrations  
 APPROVED

sohil  
 12/7/2016 4:32:59 PM

Quant Time: Dec 07 02:54:08 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 07 02:35:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.25  | 152  | 75419    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.07 | 136  | 321248   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.86 | 164  | 287842   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.60 | 188  | 769040m  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.89 | 240  | 1060243m | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.30 | 264  | 1098097m | 20.00 | ng/ul | 0.00     |

um  
 12/08/16

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.60  | 96  | 1998    | 1.37  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.38  | 99  | 49466   | 7.60  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.55  | 67  | 133686  | 33.21 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.77  | 132 | 124680  | 27.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.93  | 113 | 96765   | 17.80 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.42  | 128 | 80556   | 35.41 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.14 | 143 | 96751   | 34.12 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.68 | 165 | 163966  | 30.06 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.22 | 131 | 600     | 0.11  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 14.26 | 166 | 729829  | 36.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.56 | 160 | 773965  | 35.69 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.05 | 143 | 23826   | 7.00  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.85 | 176 | 674350  | 36.19 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.96 | 200 | 157363m | 33.09 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.70 | 188 | 1169015 | 36.01 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.97 | 212 | 1549960 | 35.49 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.07 | 264 | 1629583 | 36.63 | ng/ul | 0.00 |

um 12/08/16

## Target Compounds

Qvalue

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