

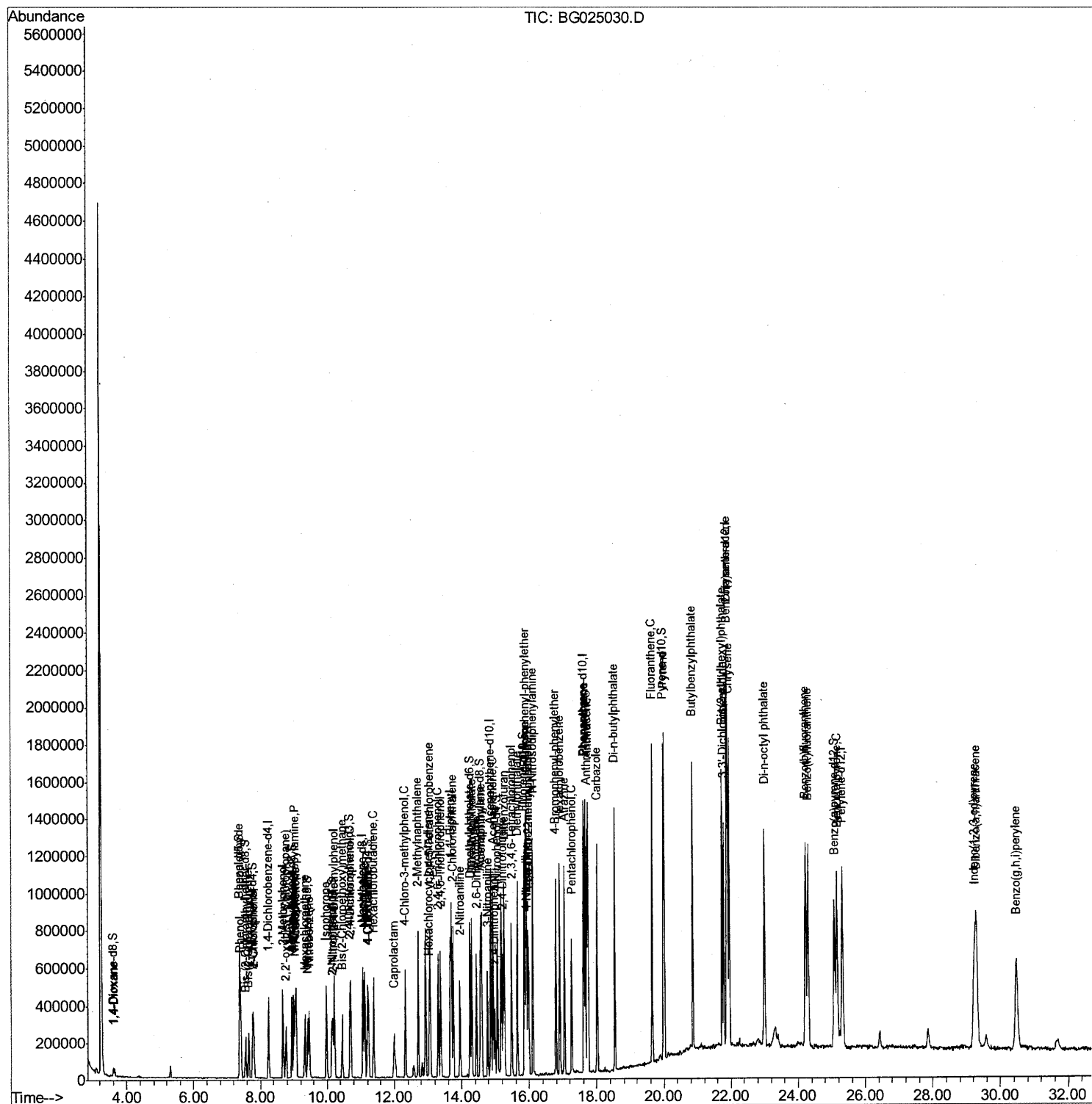
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
Data File : BG025030.D  
Acq On : 9 Dec 2016 6:27  
Operator : UM/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02021

Manual Integrations  
APPROVED

sohil  
12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:17:06 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 09 01:31:52 2016  
Response via : Initial Calibration



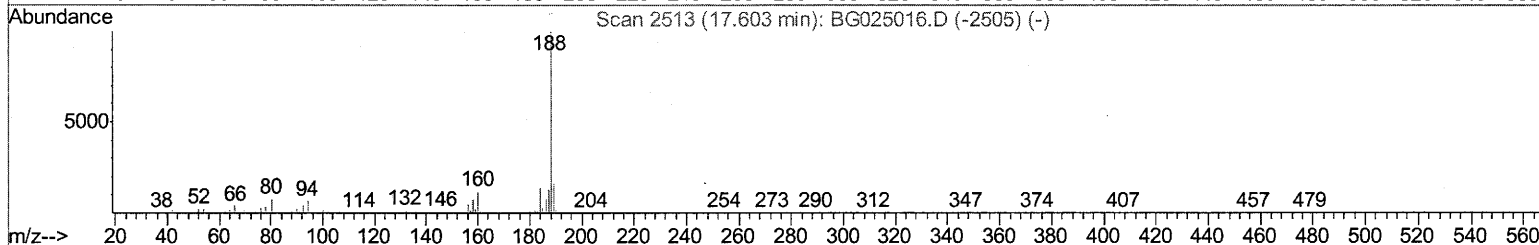
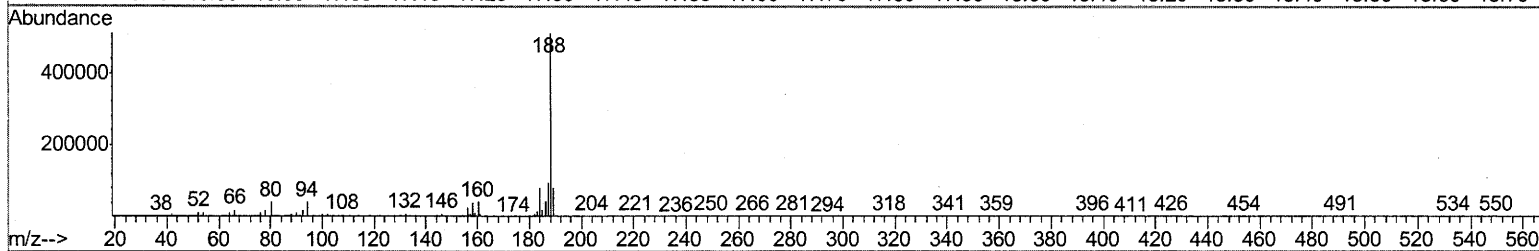
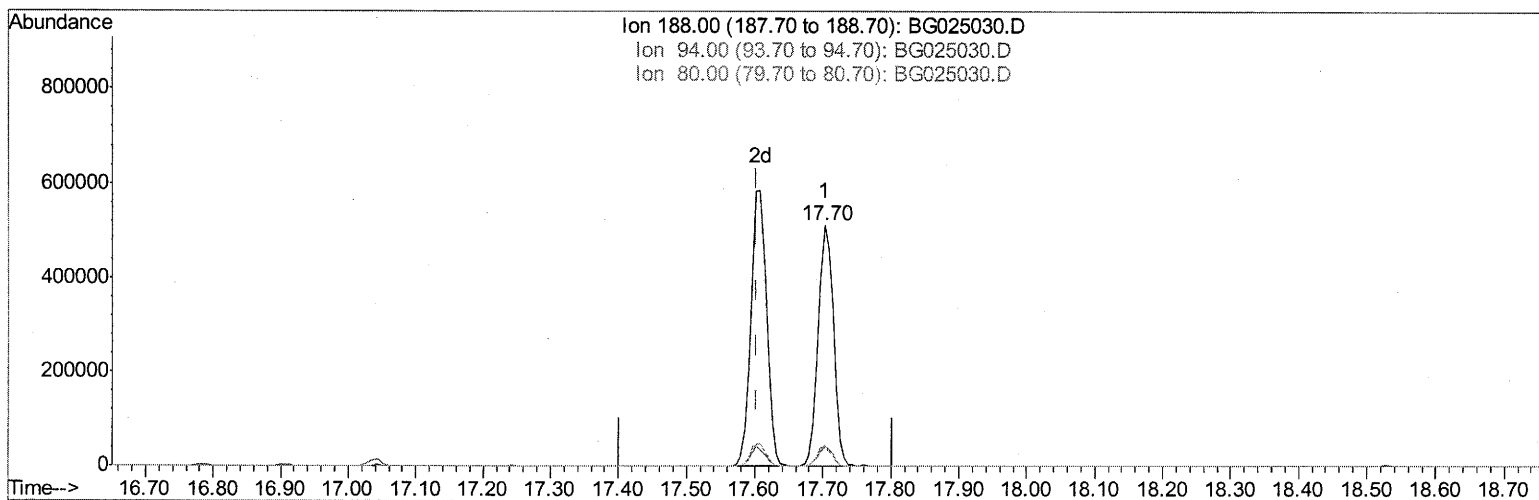
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
Data File : BG025030.D  
Acq On : 9 Dec 2016 6:27  
Operator : UM/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02021

Manual Integrations  
APPROVED

sohil  
12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:13:59 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 09 01:31:52 2016  
Response via : Initial Calibration



TIC: BG025030.D

(61) Phenanthrene-d10 (I)

17.702min (+0.099) 20.00ng/ul

response 800379

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 8.80 | 8.10 |
| 80.00  | 9.50 | 8.18 |
| 0.00   | 0.00 | 0.00 |

# Quantitation Report (Qedit)

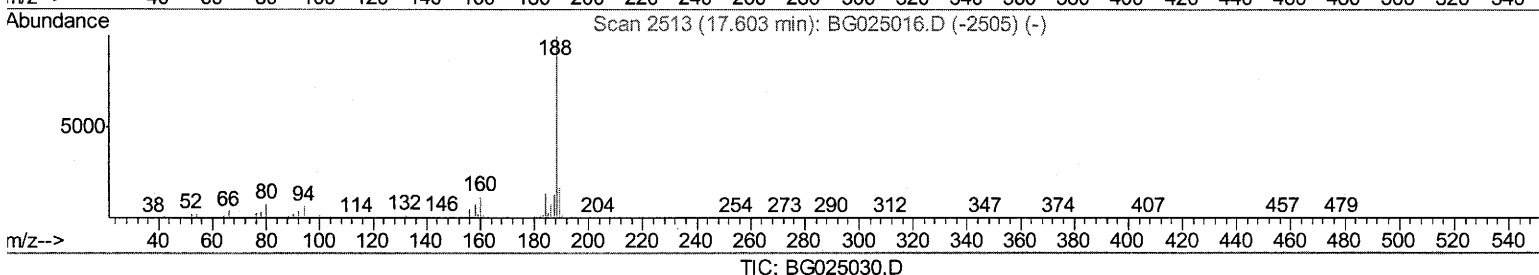
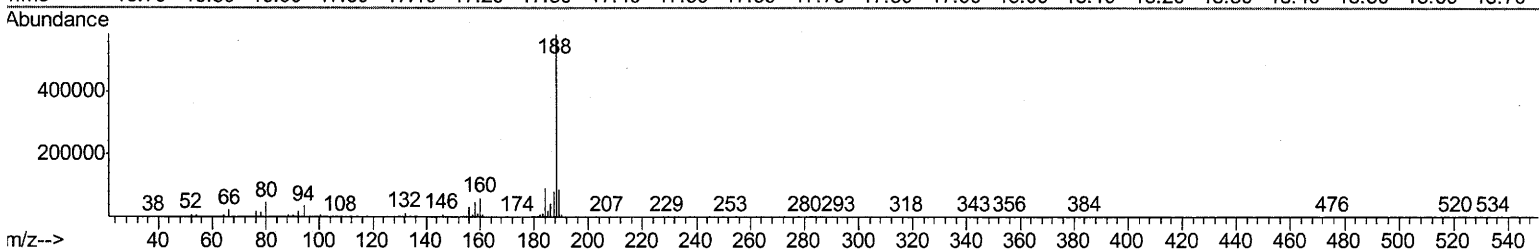
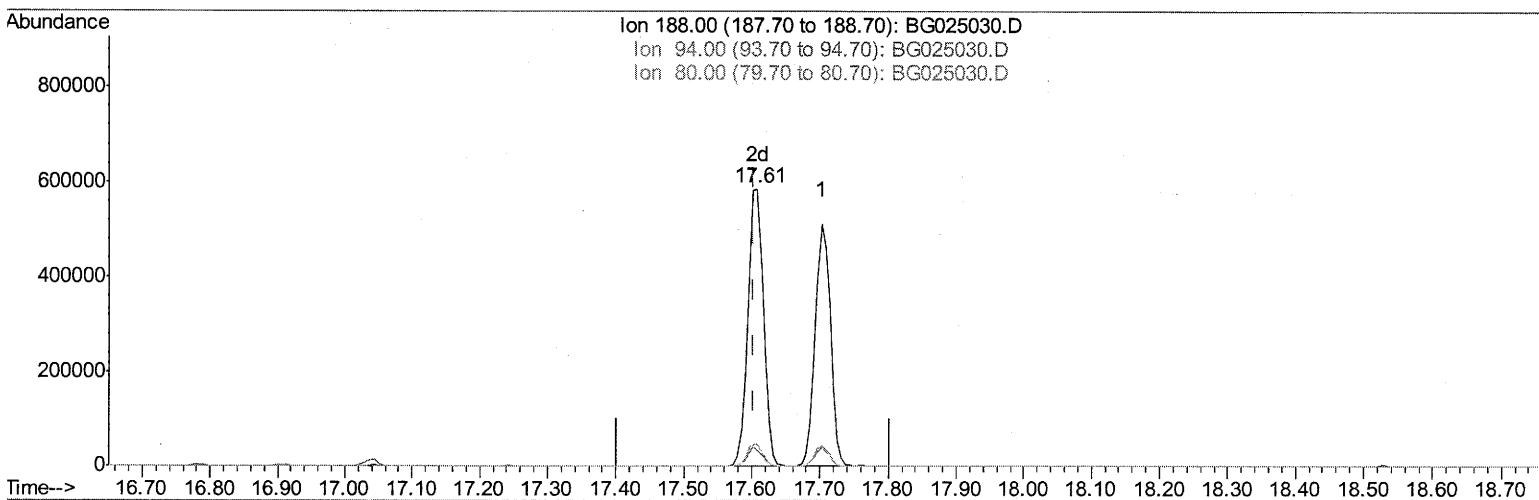
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02021

Manual Integrations  
 APPROVED

sohil  
 12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:13:59 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



TIC: BG025030.D

(61) Phenanthrene-d10 (I)

17.608min (+0.005) 20.00ng/ul m

response 931914

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 8.80 | 6.10# |
| 80.00  | 9.50 | 8.16  |
| 0.00   | 0.00 | 0.00  |

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# Quantitation Report (Qedit)

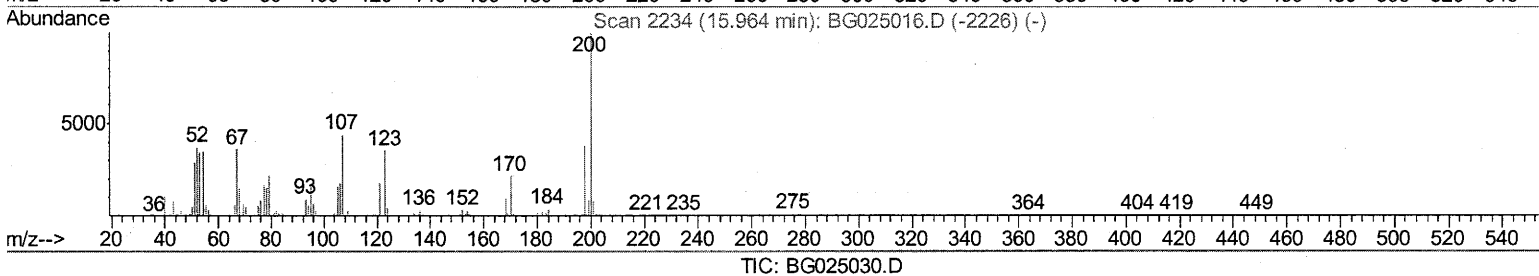
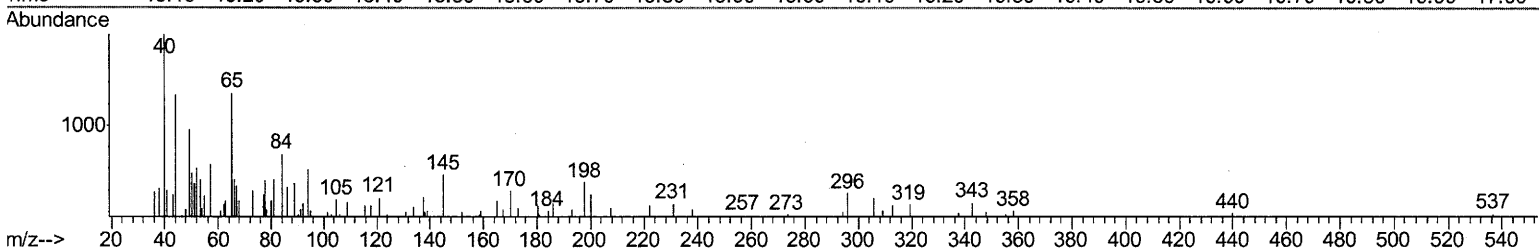
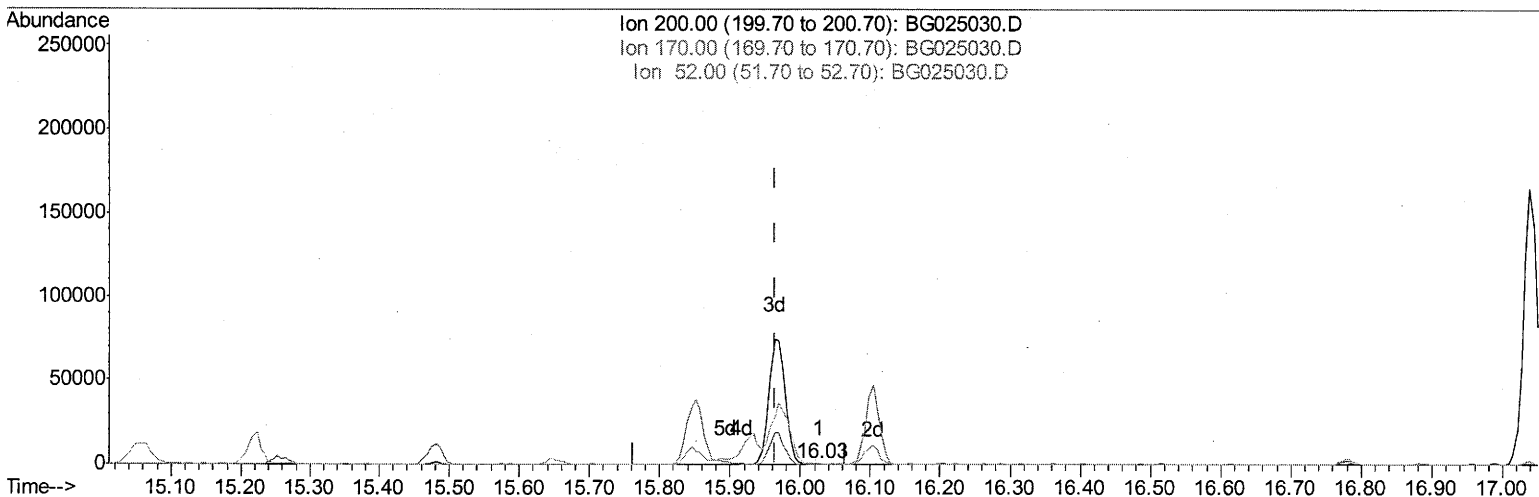
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampled :  
 SSTD02021

Manual Integrations  
 APPROVED

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 12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:15:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



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

16.028min (+0.064) 0.04ng/ul

response 212

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 200.00 | 100   | 100     |
| 170.00 | 23.20 | 108.52# |
| 52.00  | 47.20 | 165.38# |
| 0.00   | 0.00  | 0.00    |

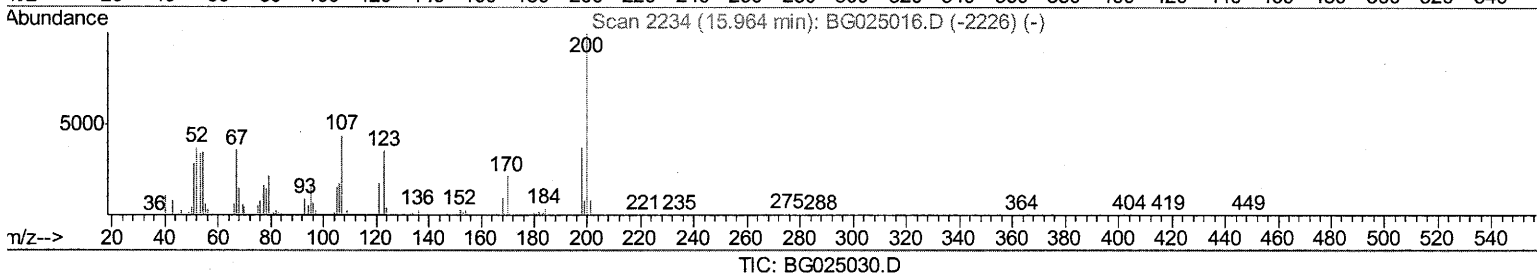
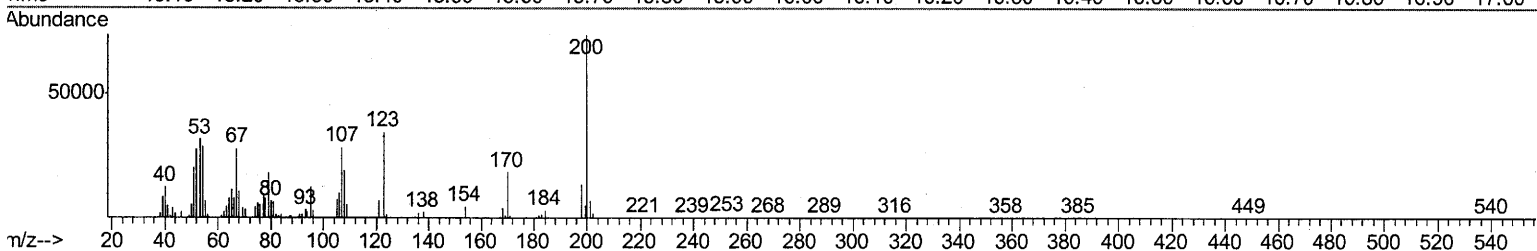
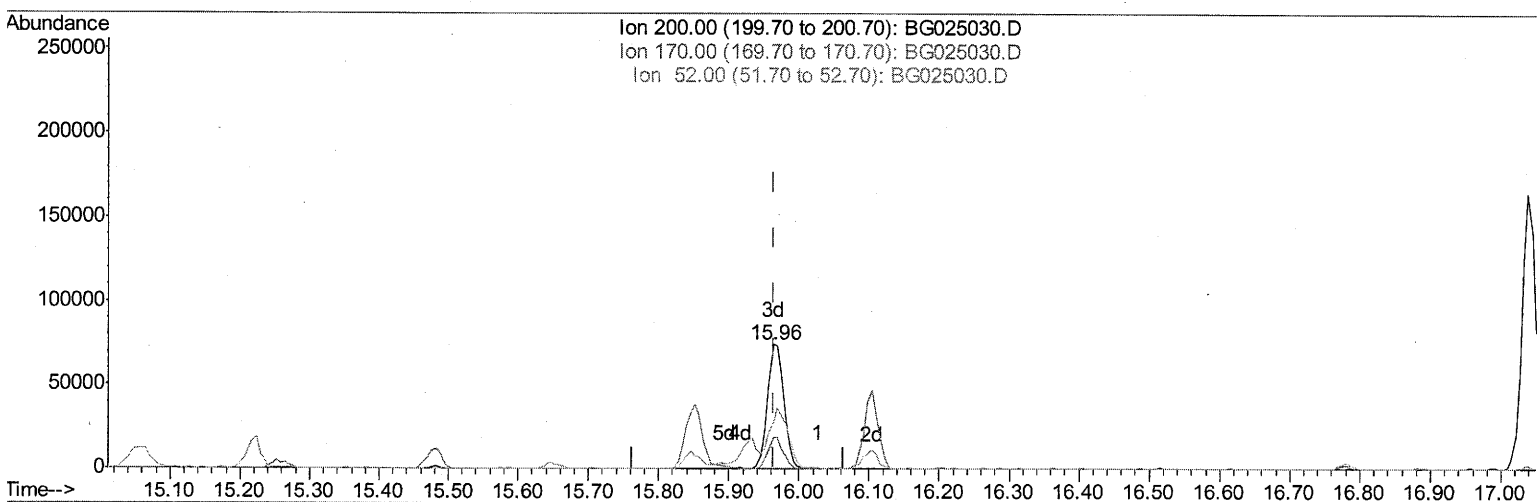
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
Data File : BG025030.D  
Acq On : 9 Dec 2016 6:27  
Operator : UM/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampled :  
SSTD02021

Manual Integrations  
APPROVED

sohil  
12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:15:31 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 09 01:31:52 2016  
Response via : Initial Calibration



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

15.963min (-0.001) 20.71ng/ul m

response 119347

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 23.20 | 25.31  |
| 52.00  | 47.20 | 37.76# |
| 0.00   | 0.00  | 0.00   |

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12/09/16

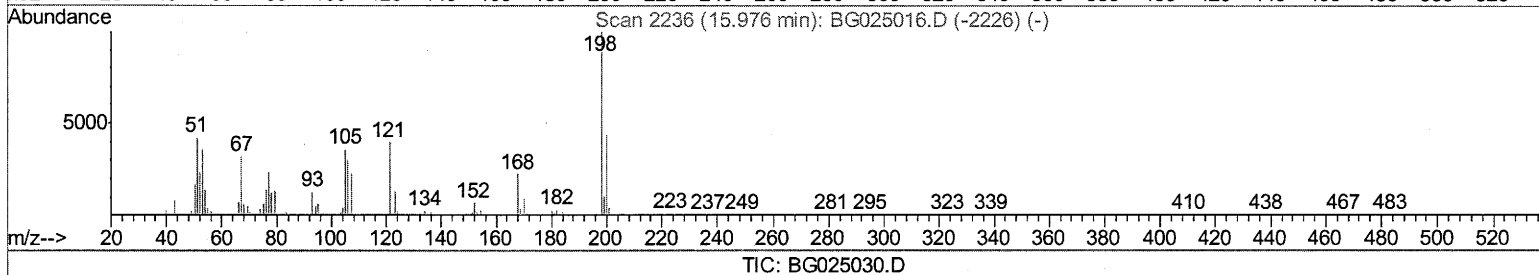
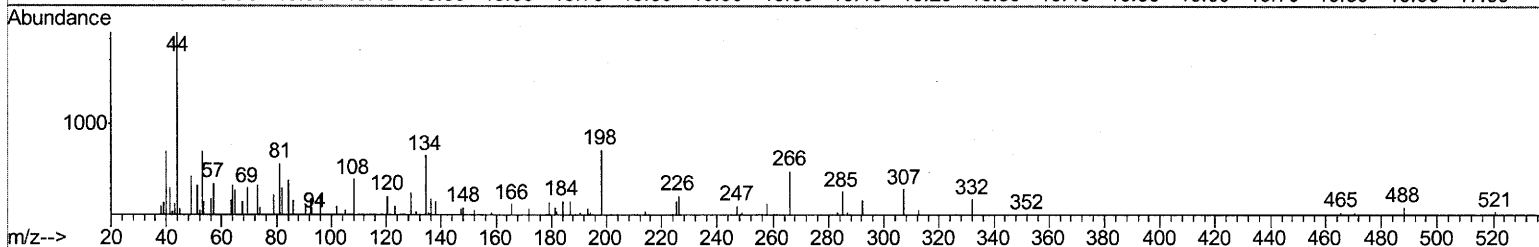
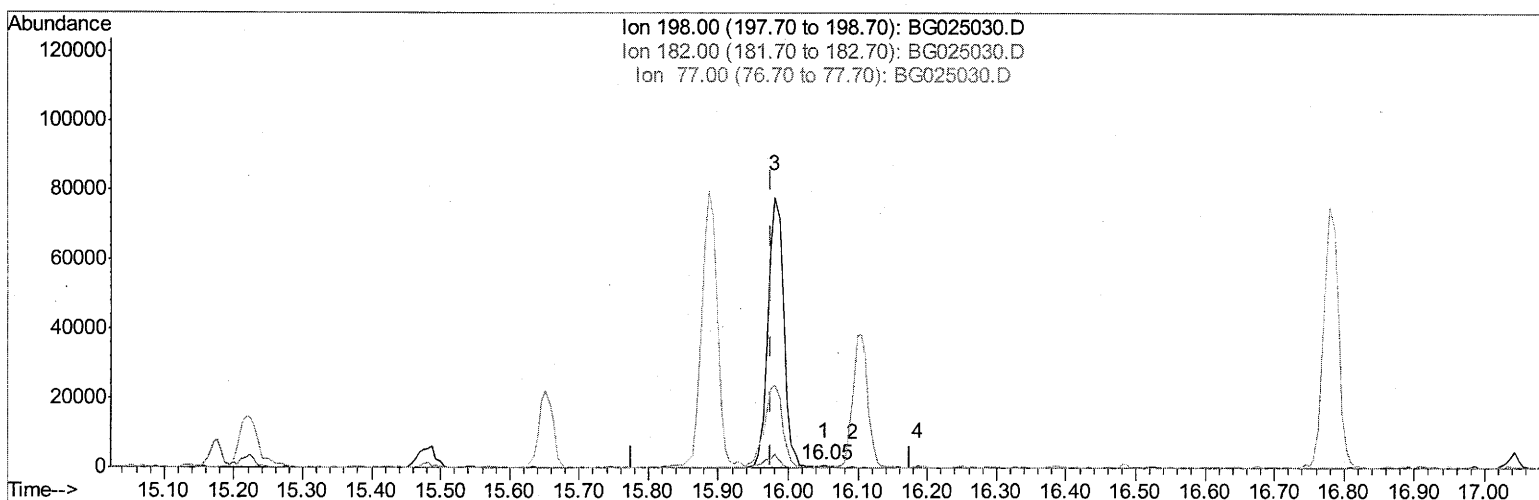
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
Data File : BG025030.D  
Acq On : 9 Dec 2016 6:27  
Operator : UM/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02021

Manual Integrations  
APPROVED

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Quant Time: Dec 09 07:15:31 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 09 01:31:52 2016  
Response via : Initial Calibration



(63) 4,6-Dinitro-2-methylphenol

16.051min (+0.076) 0.19ng/ul

response 1111

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 198.00 | 100   | 100    |
| 182.00 | 6.10  | 24.90# |
| 77.00  | 28.00 | 19.66# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

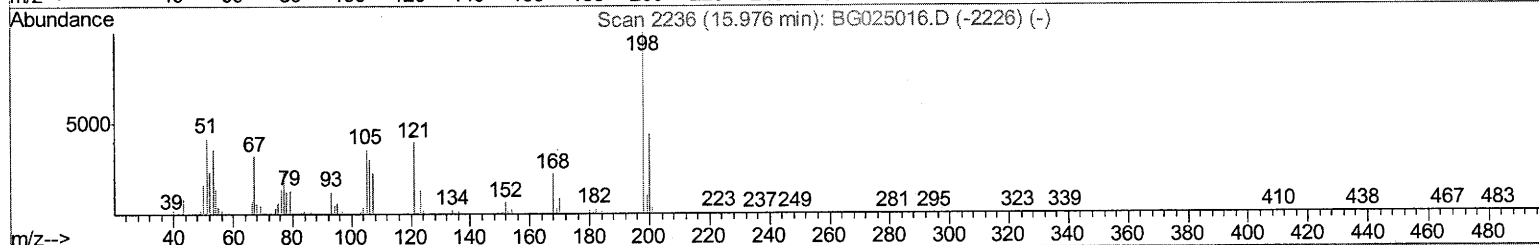
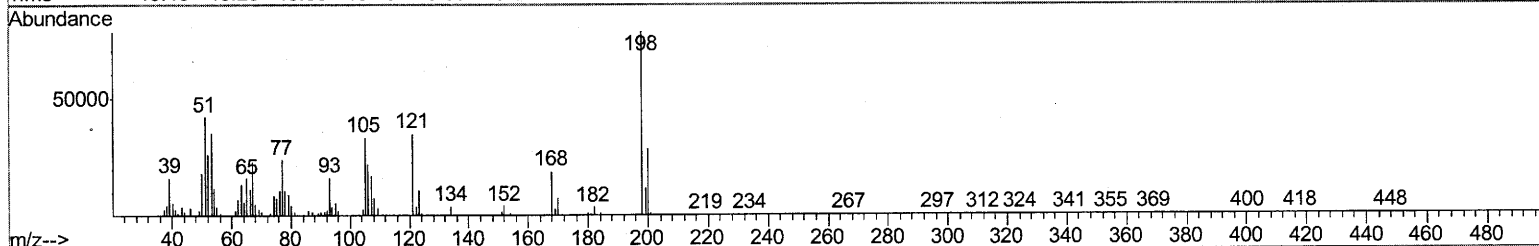
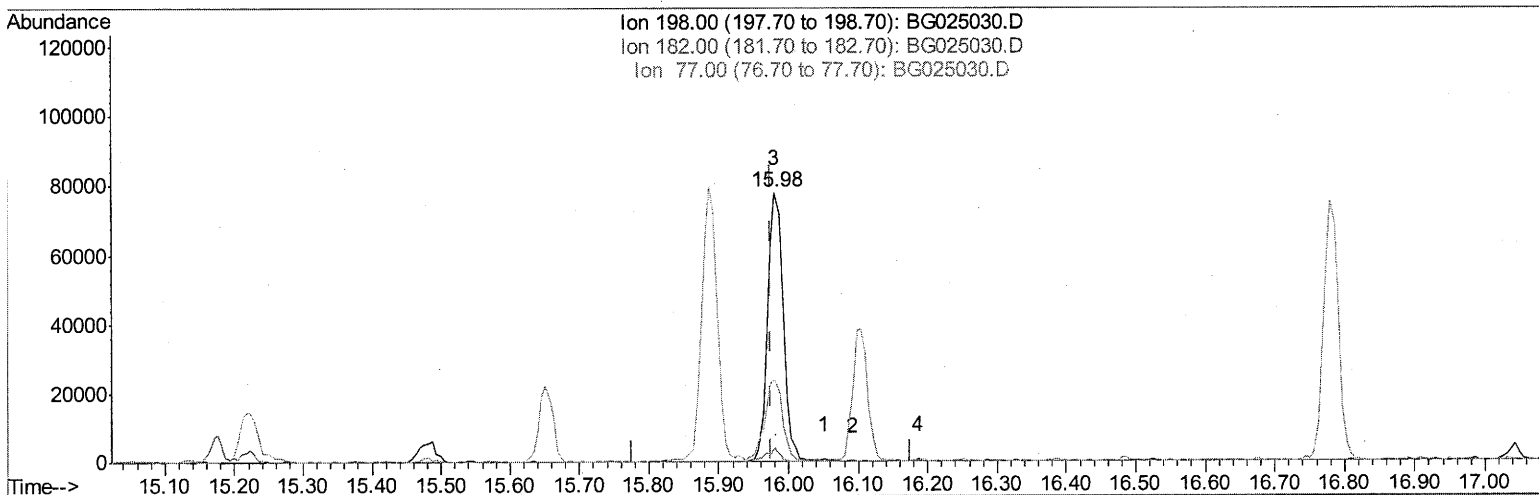
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleID :  
 SSTD02021

Manual Integrations  
 APPROVED

sohil  
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Quant Time: Dec 09 07:15:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



TIC: BG025030.D

(63) 4,6-Dinitro-2-methylphenol

15.981min (+0.005) 20.42ng/ul m

response 121858

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 198.00 | 100   | 100   |
| 182.00 | 6.10  | 4.96# |
| 77.00  | 28.00 | 30.73 |
| 0.00   | 0.00  | 0.00  |

67  
 12/09/16

# Quantitation Report (Qedit)

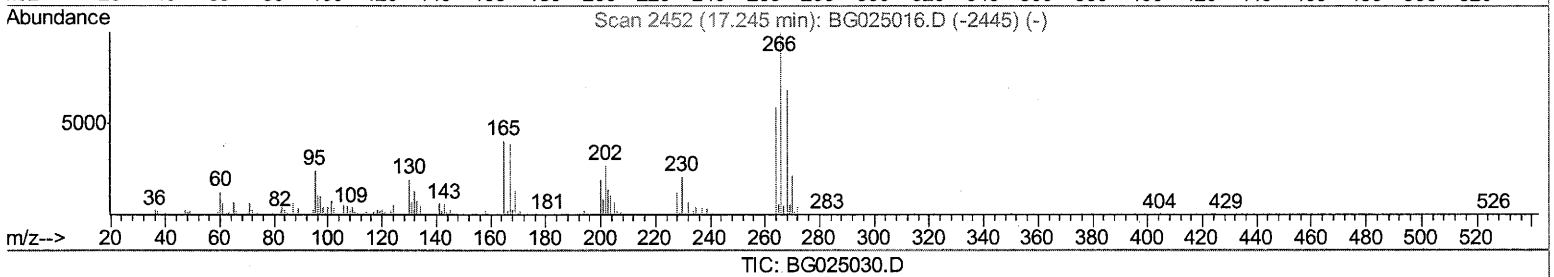
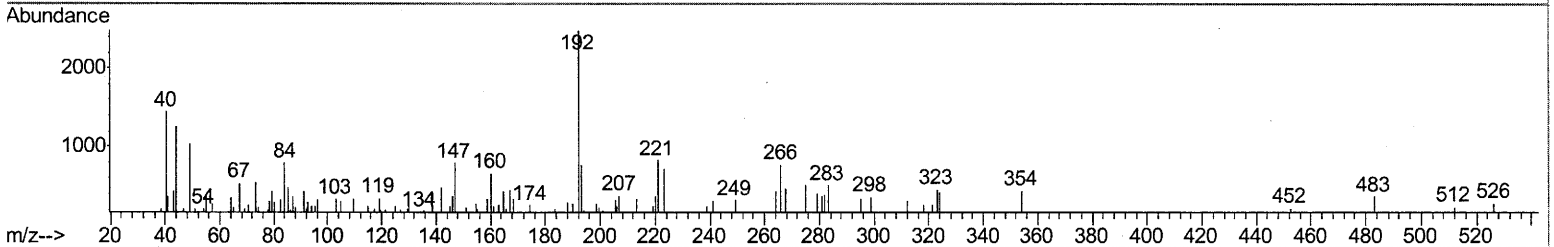
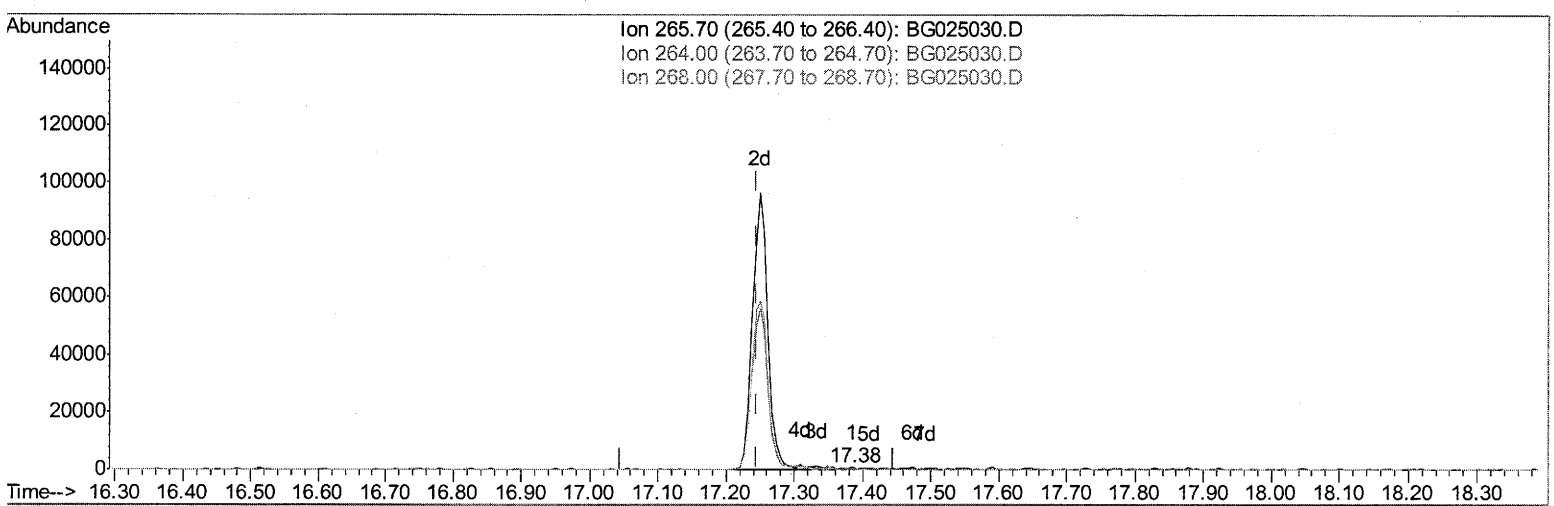
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampled :  
 SSTD02021

Manual Integrations  
 APPROVED

sohil  
 12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:15:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



(68) Pentachlorophenol (C)  
 17.385min (+0.140) 0.12ng/ul  
 response 824

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 265.70 | 100   | 100   |
| 264.00 | 58.90 | 55.67 |
| 268.00 | 70.30 | 59.84 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

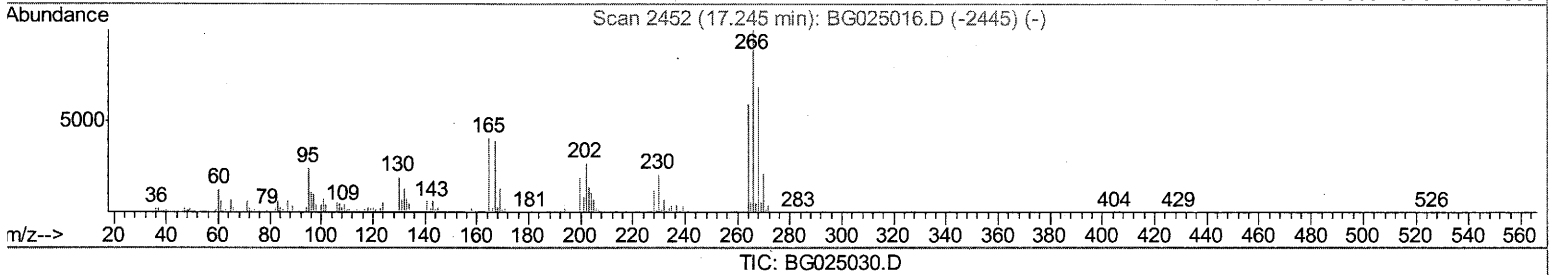
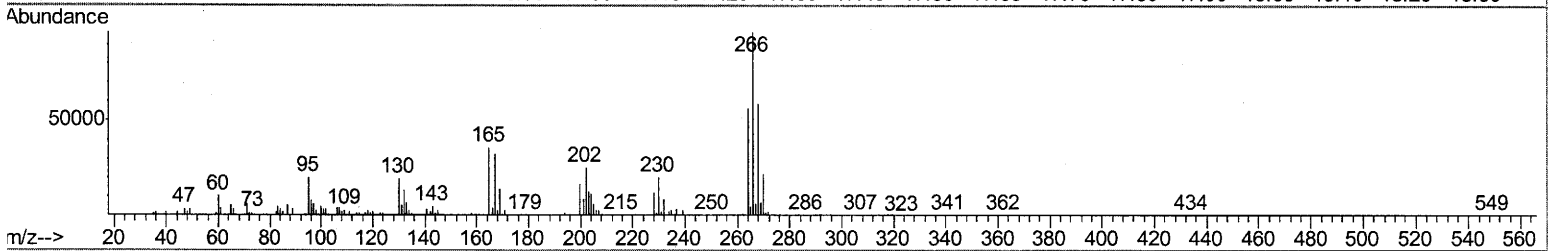
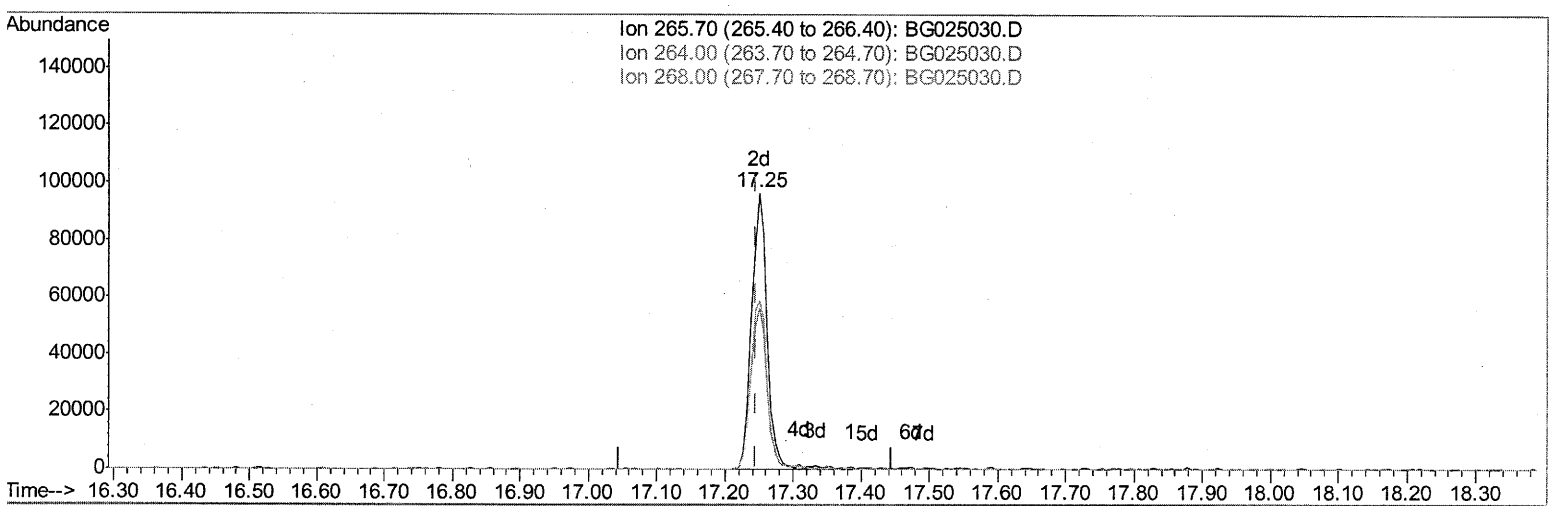
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampled :  
 SSTD02021

Manual Integrations  
 APPROVED

sohil  
 12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:15:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



(68) Pentachlorophenol (C)

17.250min (+0.005) 21.00ng/ul m

response 149421

LM  
 12/09/16

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 265.70 | 100   | 100   |
| 264.00 | 58.90 | 58.11 |
| 268.00 | 70.30 | 60.96 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

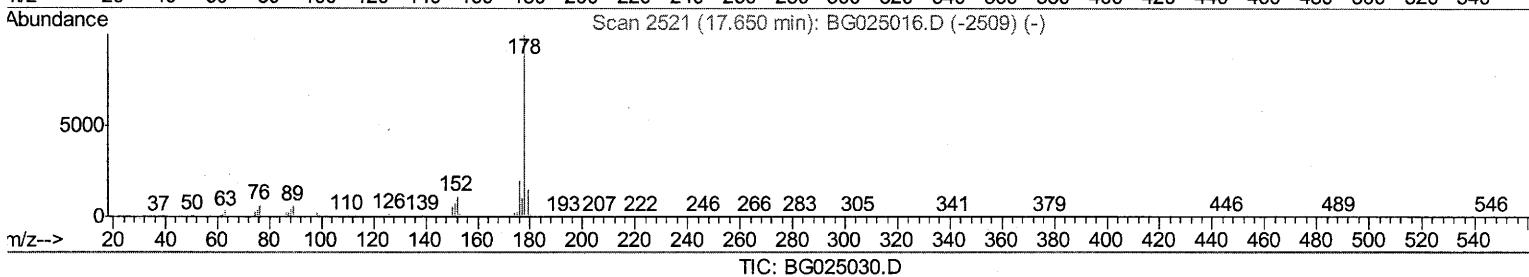
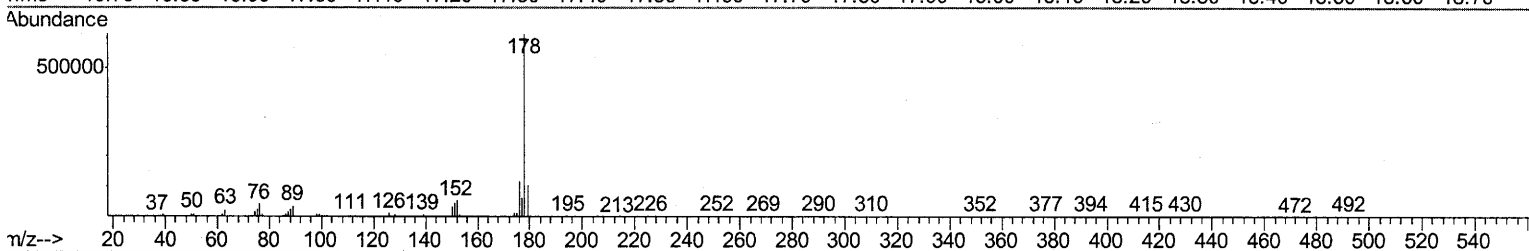
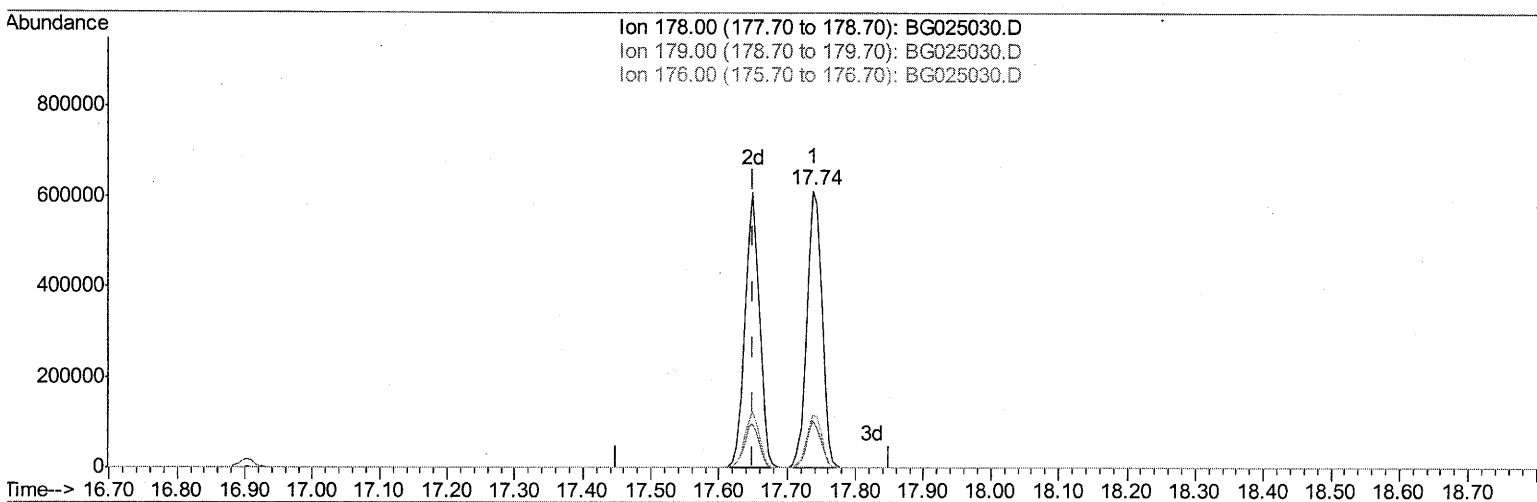
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleID :  
 SSTD02021

Manual Integrations  
 APPROVED

sohil  
 12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:15:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



(69) Phenanthrene

17.737min (+0.087) 21.04ng/ul

response 935927

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.50 | 17.17 |
| 176.00 | 20.60 | 19.20 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

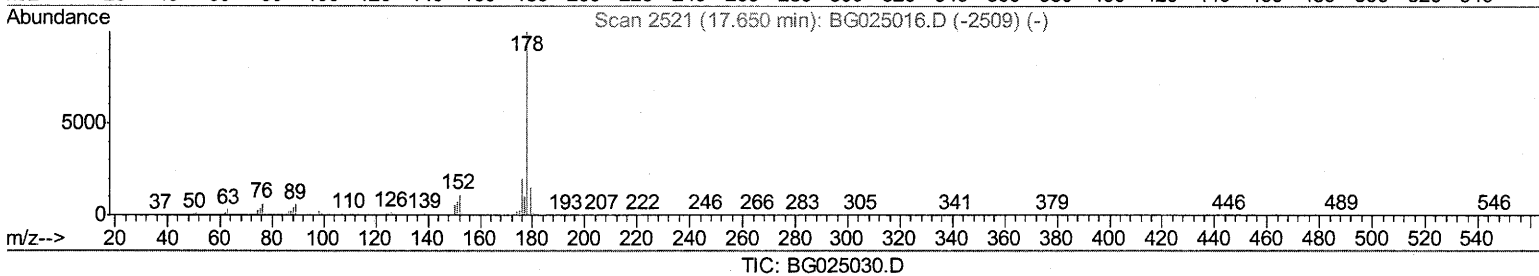
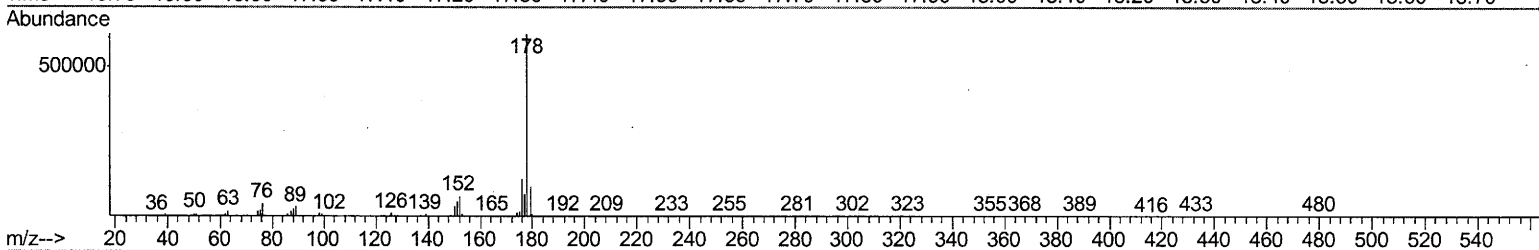
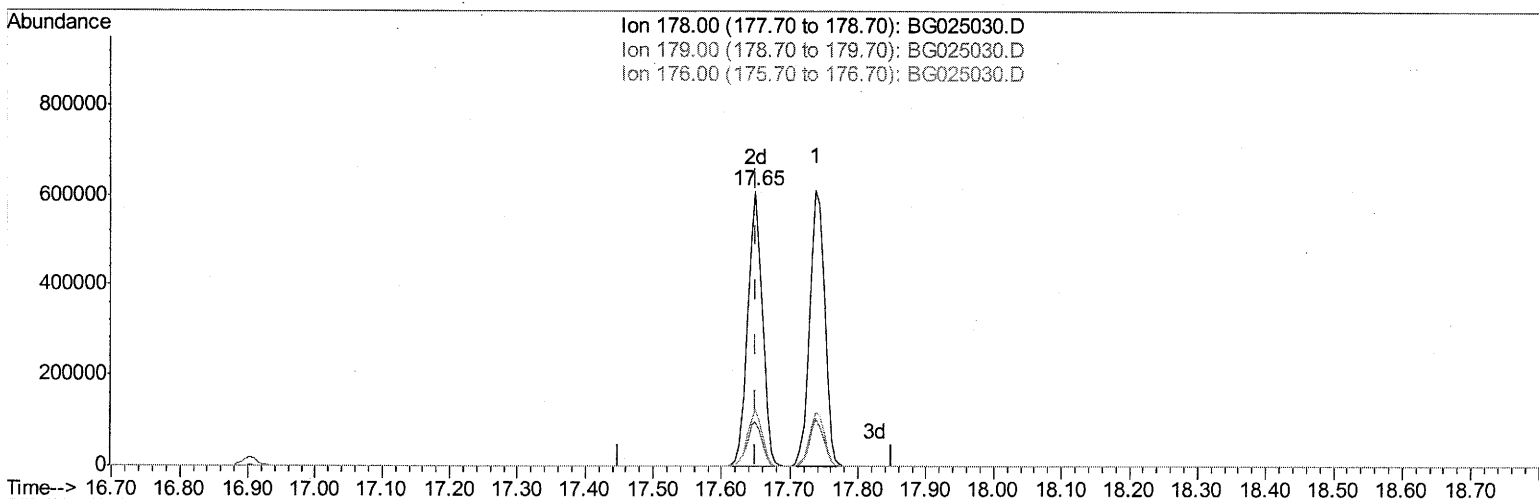
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02021

Manual Integrations  
 APPROVED

sohil  
 12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:15:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



(69) Phenanthrene

17.649min (-0.001) 20.35ng/ul m

response 905336

um  
 12/09/16

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.50 | 16.19 |
| 176.00 | 20.60 | 20.59 |
| 0.00   | 0.00  | 0.00  |

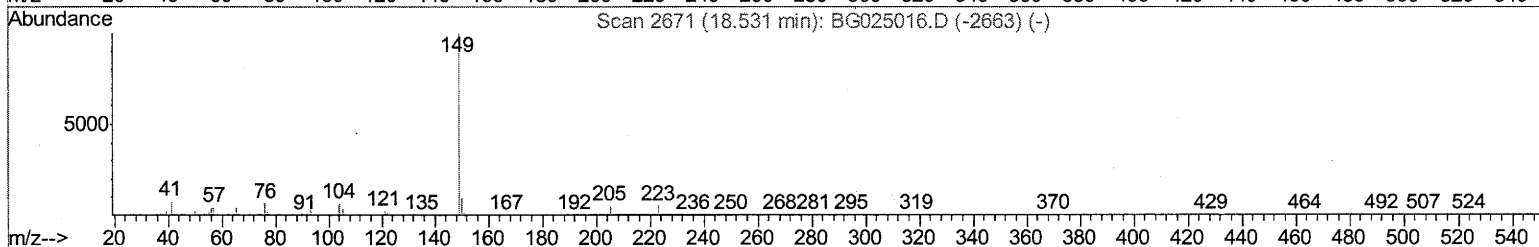
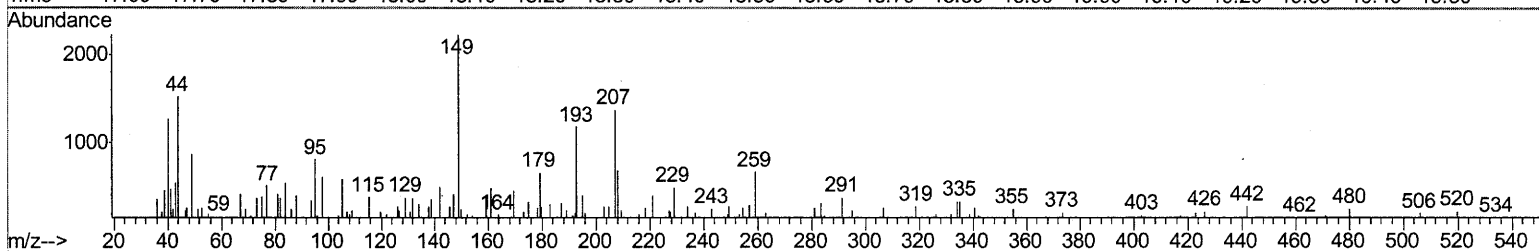
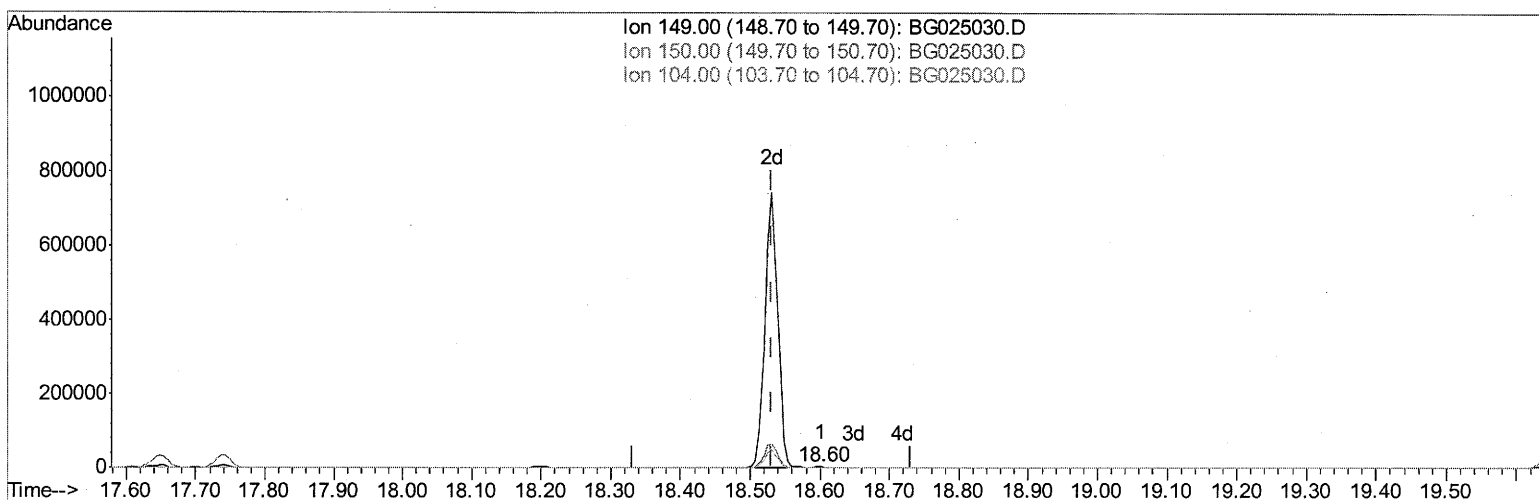
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
Data File : BG025030.D  
Acq On : 9 Dec 2016 6:27  
Operator : UM/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02021

Manual Integrations  
APPROVED

sohil  
12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:15:31 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 09 01:31:52 2016  
Response via : Initial Calibration



TIC: BG025030.D

(73) Di-n-butylphthalate

18.601min (+0.070) 0.07ng/ul

response 3470

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 149.00 | 100  | 100   |
| 150.00 | 9.90 | 11.14 |
| 104.00 | 7.30 | 7.86  |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

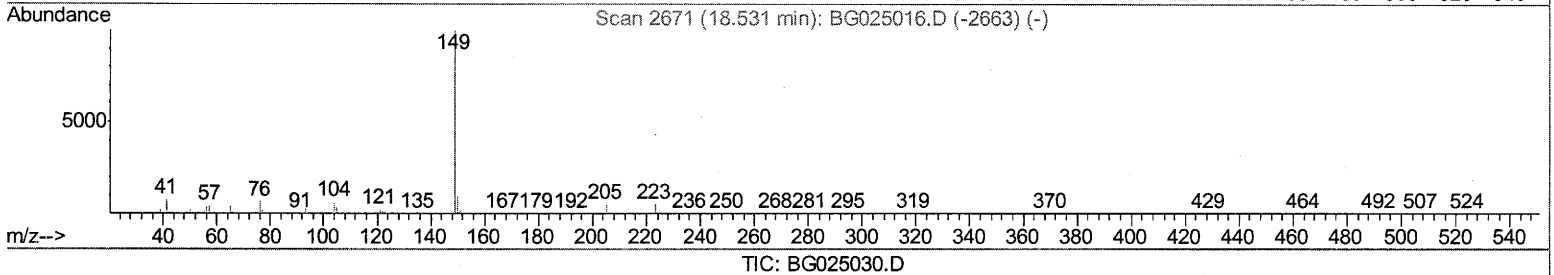
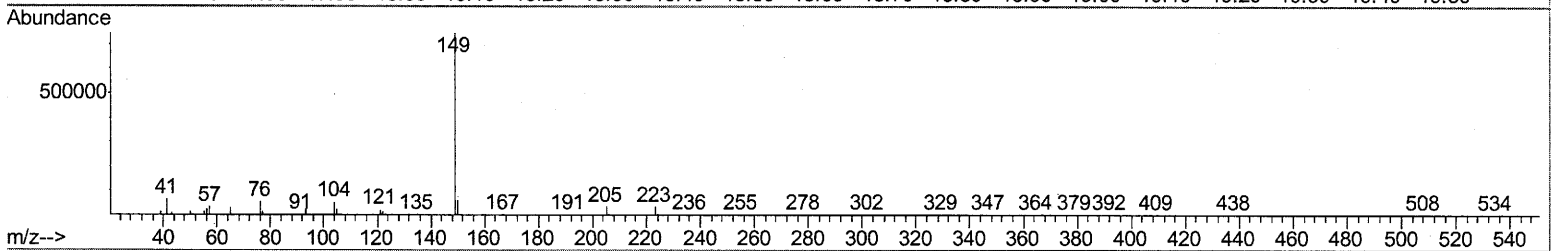
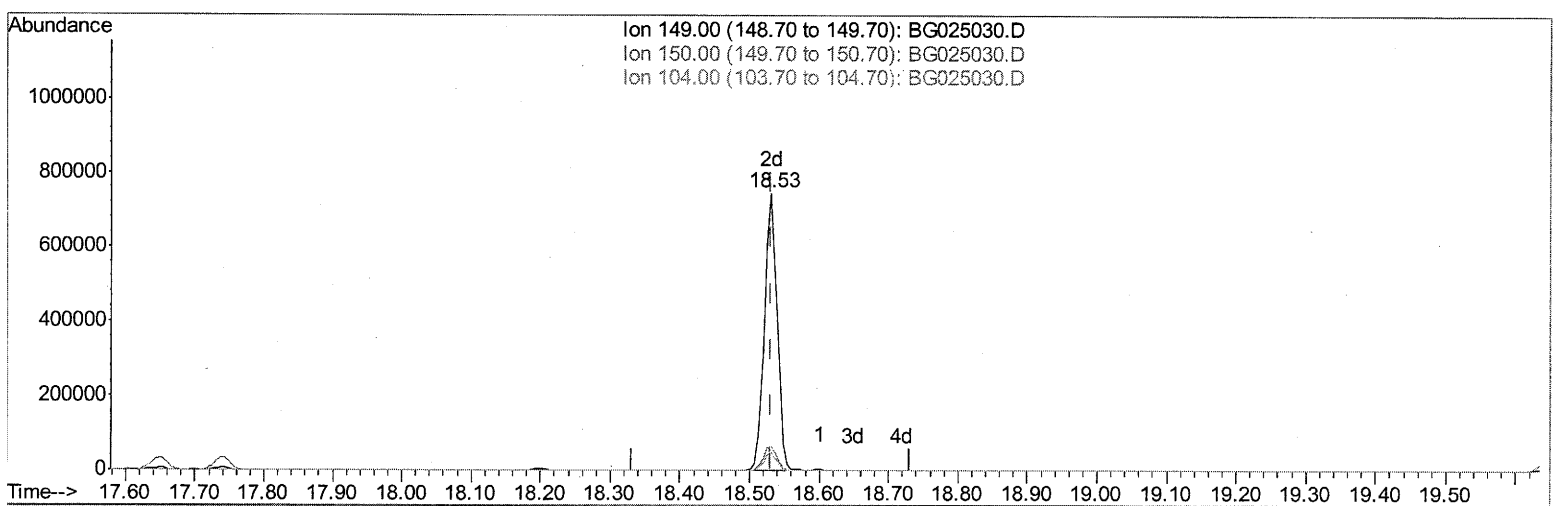
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampled :  
 SSTD02021

Manual Integrations  
 APPROVED

sohil  
 12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:15:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



(73) Di-n-butylphthalate

18.531min (-0.001) 19.74ng/ul m

response 951028

UM  
 12/9/16

| Ion    | Exp% | Act% |
|--------|------|------|
| 149.00 | 100  | 100  |
| 150.00 | 9.90 | 8.50 |
| 104.00 | 7.30 | 6.93 |
| 0.00   | 0.00 | 0.00 |

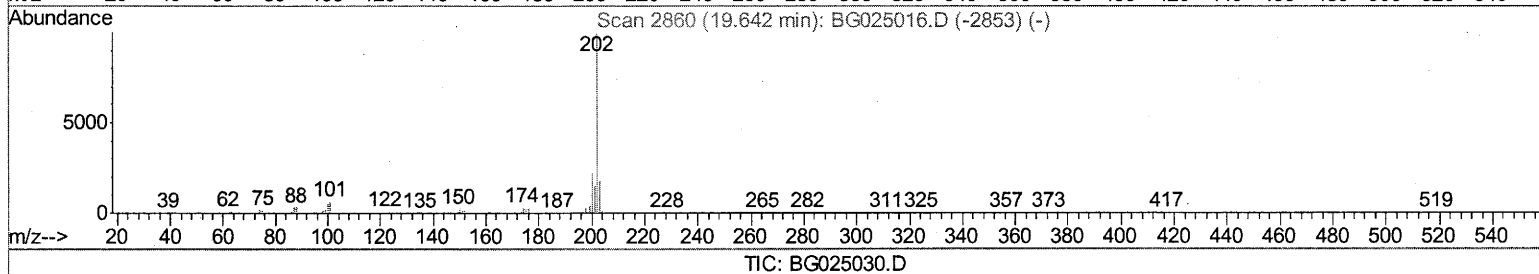
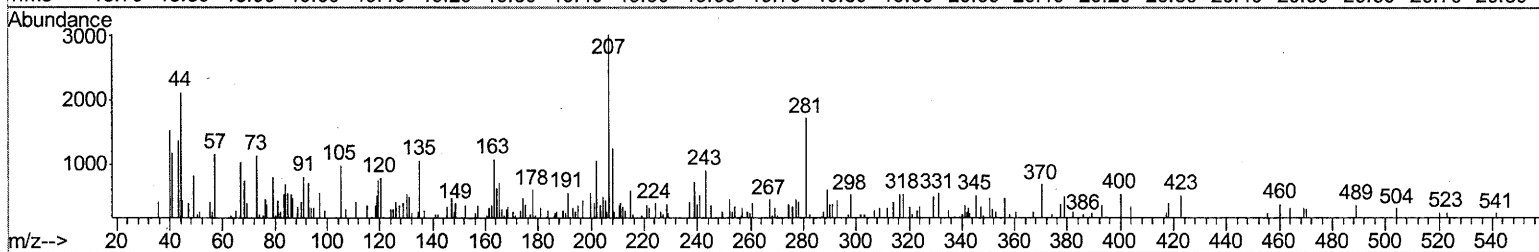
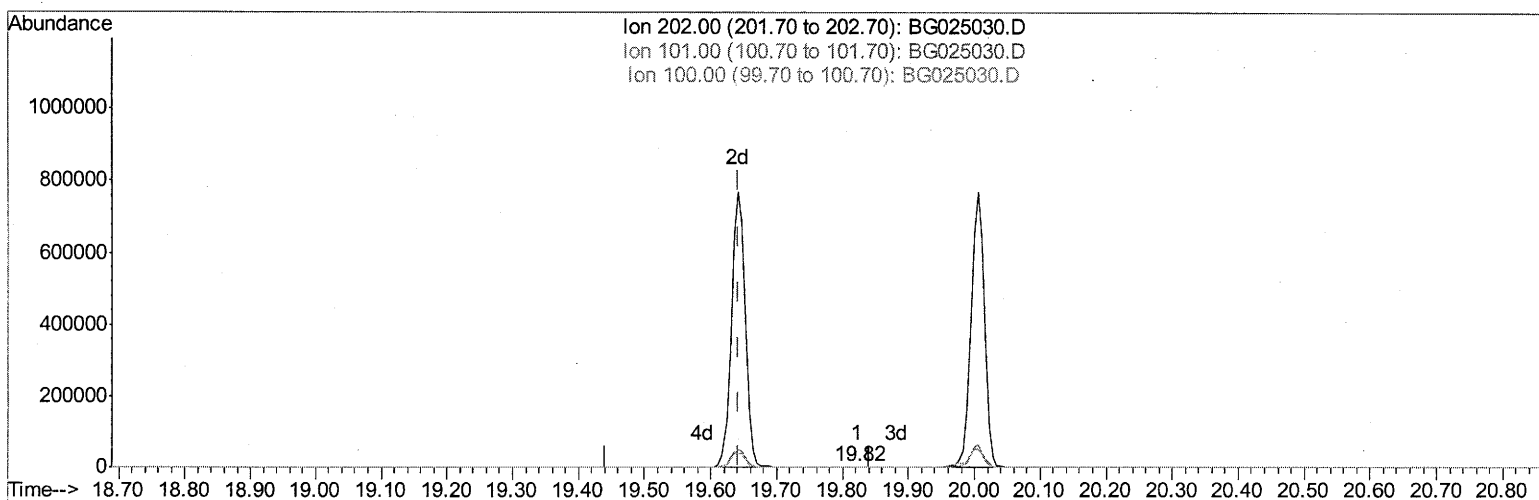
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
Data File : BG025030.D  
Acq On : 9 Dec 2016 6:27  
Operator : UM/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02021

Manual Integrations  
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Quant Time: Dec 09 07:15:31 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 09 01:31:52 2016  
Response via : Initial Calibration



(74) Fluoranthene (C)

19.823min (+0.181) 0.04ng/ul

response 1904

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 202.00 | 100  | 100   |
| 101.00 | 7.70 | 0.00# |
| 100.00 | 6.50 | 0.00# |
| 0.00   | 0.00 | 0.00  |

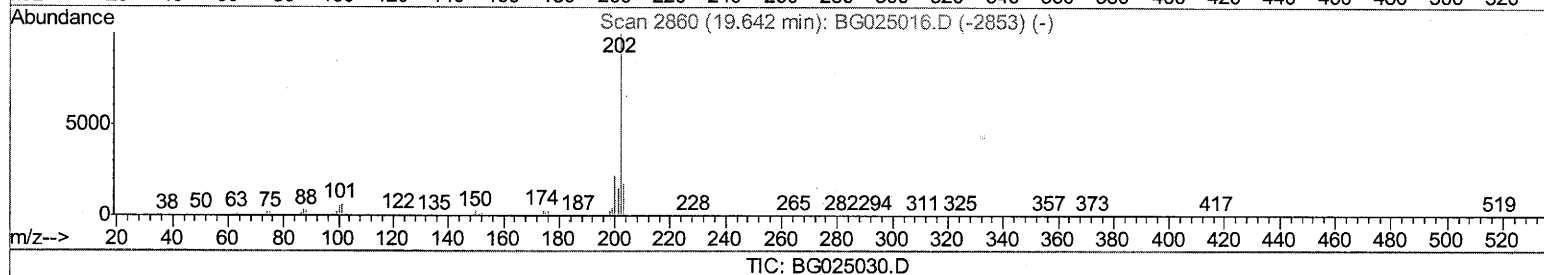
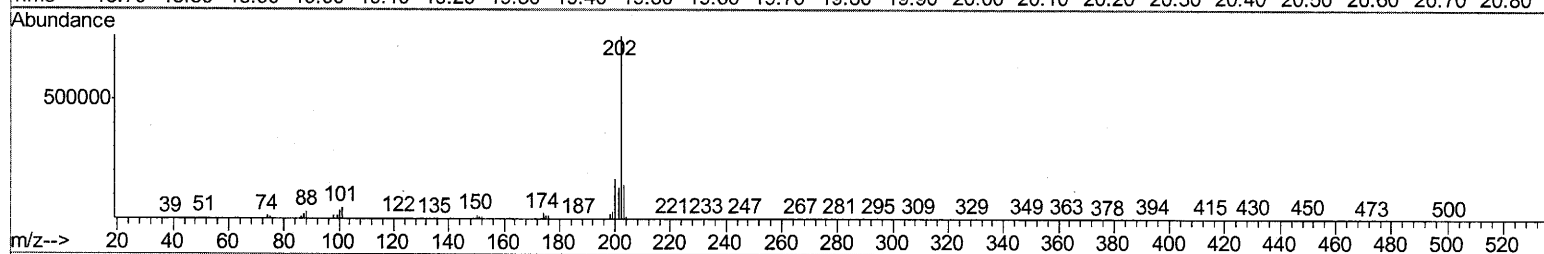
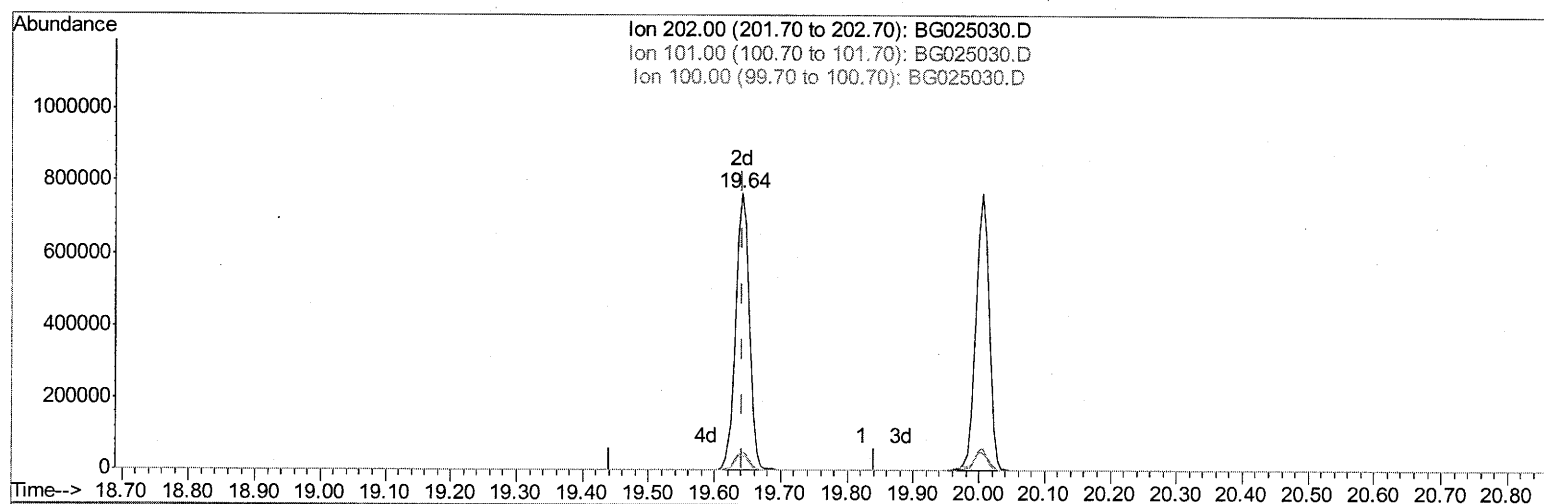
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
Data File : BG025030.D  
Acq On : 9 Dec 2016 6:27  
Operator : UM/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampled :  
SSTD02021

Manual Integrations  
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Quant Time: Dec 09 07:15:31 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 09 01:31:52 2016  
Response via : Initial Calibration



(74) Fluoranthene (C)

19.641min (-0.001) 21.46ng/ul m

response 1134043

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 202.00 | 100  | 100   |
| 101.00 | 7.70 | 6.52  |
| 100.00 | 6.50 | 5.11# |
| 0.00   | 0.00 | 0.00  |

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# Quantitation Report (Qedit)

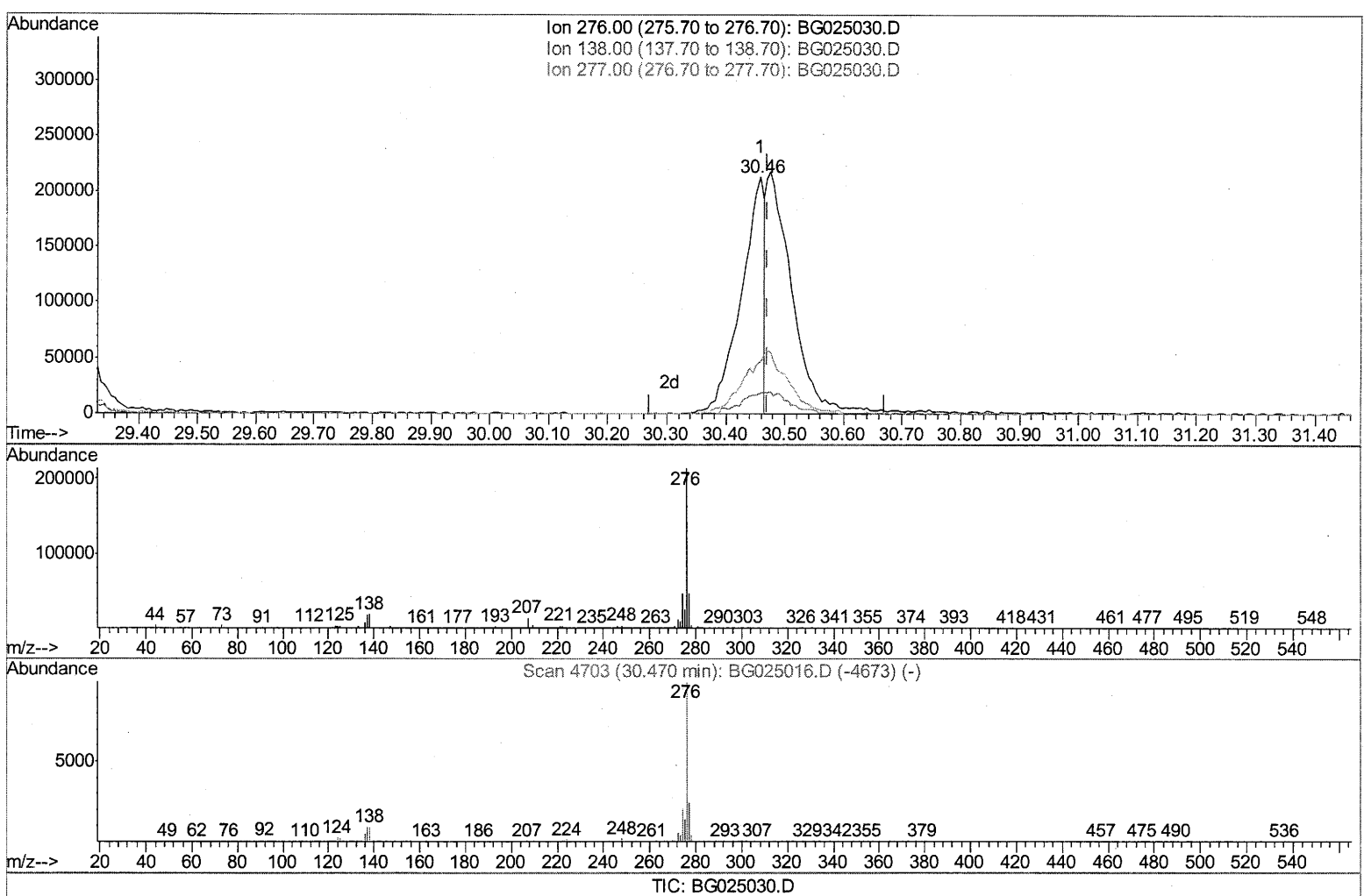
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampled :  
 SSTD02021

Manual Integrations  
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 12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:15:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



(91) Benzo(g,h,i)perylene  
 30.458min (-0.013) 9.42ng/ul  
 response 572020

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 10.70 | 8.71  |
| 277.00 | 22.00 | 21.89 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

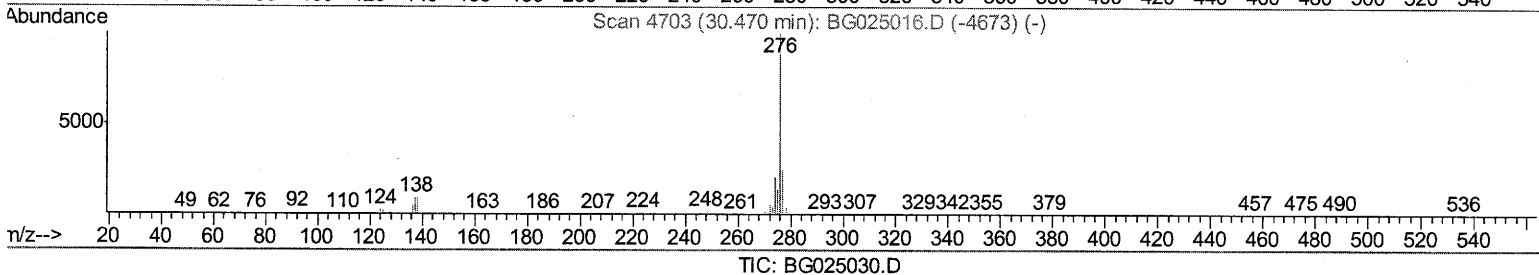
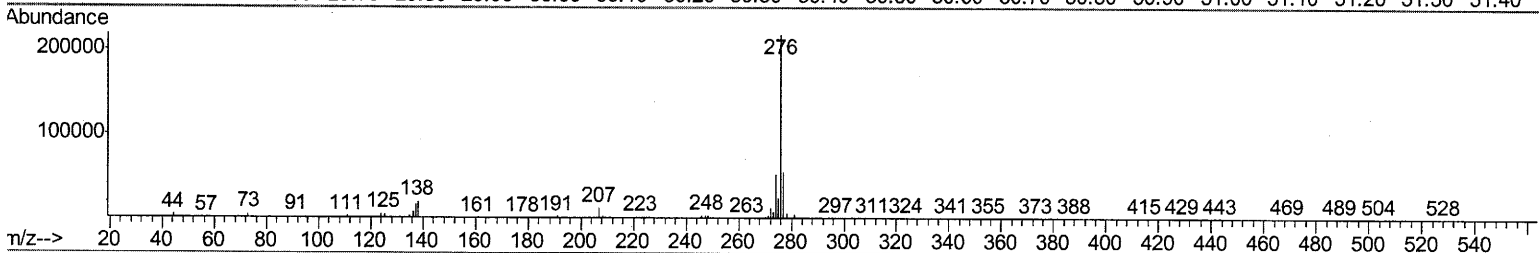
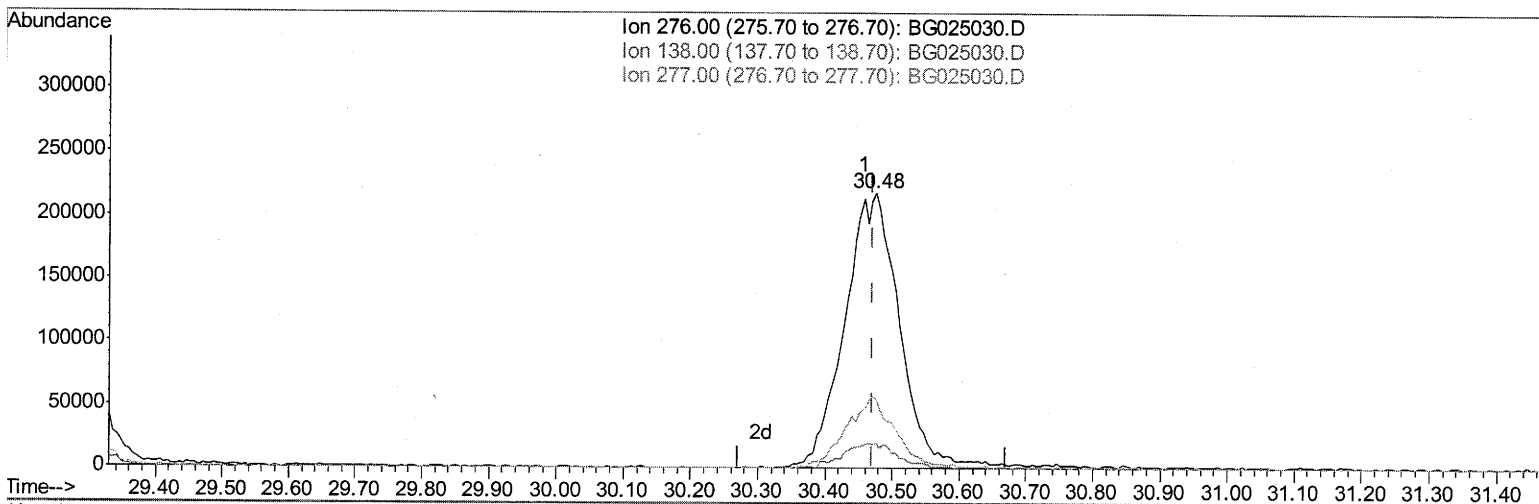
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02021

Manual Integrations  
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Quant Time: Dec 09 07:15:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration



(91) Benzo(g,h,i)perylene

30.475min (+0.005) 20.44ng/ul m

response 1240880

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| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 10.70 | 9.30  |
| 277.00 | 22.00 | 25.54 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02021

Manual Integrations  
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Quant Time: Dec 09 07:17:06 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.24  | 152  | 110776   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.07 | 136  | 481516   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.86 | 164  | 403295   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.61 | 188  | 931914m  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.90 | 240  | 1161229  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.31 | 264  | 1227538  | 20.00 | ng/ul | 0.00     |

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## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.60  | 96  | 16394   | 7.64  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.38  | 99  | 195915  | 20.50 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.56  | 67  | 115219  | 19.49 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.77  | 132 | 142280  | 21.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.94  | 113 | 158166  | 19.80 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.42  | 128 | 66246   | 19.43 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.14 | 143 | 82533   | 19.42 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.68 | 165 | 171271  | 20.95 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.20 | 131 | 193348  | 24.07 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.25 | 166 | 552581  | 19.92 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.56 | 160 | 632974  | 20.83 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.05 | 143 | 97783   | 20.51 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.85 | 176 | 522635  | 20.02 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.96 | 200 | 119347m | 20.71 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.70 | 188 | 800427  | 20.35 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.98 | 212 | 965061  | 20.18 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.07 | 264 | 1033550 | 20.78 | ng/ul | 0.00 |

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## Target Compounds

|                                |       |     |        |       | Qvalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.64  | 88  | 20091  | 7.19  | ng/uL 99  |
| 4) Benzaldehyde                | 7.38  | 77  | 156077 | 21.69 | ng/ul 95  |
| 6) Phenol                      | 7.41  | 94  | 200852 | 20.48 | ng/ul# 94 |
| 8) Bis(2-Chloroethyl)ether     | 7.66  | 93  | 141301 | 19.69 | ng/ul 90  |
| 10) 2-Chlorophenol             | 7.80  | 128 | 139844 | 20.81 | ng/ul# 88 |
| 11) 2-Methylphenol             | 8.68  | 108 | 153905 | 21.31 | ng/ul 86  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.77  | 45  | 236095 | 19.34 | ng/ul 98  |
| 14) Acetophenone               | 9.07  | 105 | 229558 | 18.89 | ng/ul 94  |
| 15) N-Nitroso-di-n-propylamine | 9.04  | 70  | 140176 | 19.97 | ng/ul# 81 |
| 16) 4-Methylphenol             | 9.01  | 108 | 165704 | 20.62 | ng/ul 98  |
| 17) Hexachloroethane           | 9.34  | 117 | 61146  | 20.54 | ng/ul# 82 |
| 20) Nitrobenzene               | 9.46  | 77  | 214872 | 20.51 | ng/ul 98  |
| 21) Isophorone                 | 9.98  | 82  | 371616 | 18.74 | ng/ul 97  |
| 23) 2-Nitrophenol              | 10.18 | 139 | 91325  | 21.18 | ng/ul# 87 |
| 24) 2,4-Dimethylphenol         | 10.22 | 107 | 201631 | 20.45 | ng/ul 96  |
| 25) Bis(2-Chloroethoxy)methane | 10.46 | 93  | 197302 | 19.52 | ng/ul 97  |
| 27) 2,4-Dichlorophenol         | 10.71 | 162 | 168562 | 21.24 | ng/ul 95  |
| 28) Naphthalene                | 11.12 | 128 | 459319 | 20.52 | ng/ul 97  |
| 30) 4-Chloroaniline            | 11.23 | 127 | 188990 | 23.01 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 11.39 | 225 | 136676 | 20.03 | ng/ul 95  |
| 32) Caprolactam                | 11.99 | 113 | 64713  | 19.63 | ng/ul 87  |
| 33) 4-Chloro-3-methylphenol    | 12.33 | 107 | 203938 | 20.84 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.71 | 142 | 352474 | 19.95 | ng/ul 95  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120816\  
 Data File : BG025030.D  
 Acq On : 9 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02021

Manual Integrations  
 APPROVED

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 12/9/2016 3:41:55 PM

Quant Time: Dec 09 07:17:06 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 09 01:31:52 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.07 | 216  | 258596   | 21.27 | ng/ul# | 93       |
| 37) Hexachlorocyclopentadiene  | 13.04 | 237  | 123732   | 17.34 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.30 | 196  | 165467   | 21.67 | ng/ul  | 95       |
| 39) 2,4,5-Trichlorophenol      | 13.38 | 196  | 181059   | 21.63 | ng/ul  | 90       |
| 40) 1,1'-Biphenyl              | 13.70 | 154  | 497328   | 20.34 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.75 | 162  | 396665   | 20.38 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.95 | 65   | 158646   | 20.82 | ng/ul  | 93       |
| 44) Dimethylphthalate          | 14.30 | 163  | 538595   | 19.76 | ng/ul  | 96       |
| 45) 2,6-Dinitrotoluene         | 14.44 | 165  | 120697   | 20.60 | ng/ul  | 93       |
| 47) Acenaphthylene             | 14.59 | 152  | 605786   | 20.51 | ng/ul  | 95       |
| 48) 3-Nitroaniline             | 14.77 | 138  | 112520   | 22.18 | ng/ul# | 87       |
| 49) Acenaphthene               | 14.93 | 153  | 425256   | 21.01 | ng/ul  | 96       |
| 50) 2,4-Dinitrophenol          | 14.97 | 184  | 80363    | 21.11 | ng/ul  | 87       |
| 52) 4-Nitrophenol              | 15.06 | 109  | 119597   | 20.86 | ng/ul  | 96       |
| 53) Dibenzofuran               | 15.26 | 168  | 655098   | 20.47 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 15.22 | 165  | 182777   | 20.70 | ng/ul# | 85       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.48 | 232  | 186539   | 21.09 | ng/ul  | 97       |
| 56) Diethylphthalate           | 15.65 | 149  | 561060   | 19.43 | ng/ul  | 98       |
| 58) Fluorene                   | 15.90 | 166  | 528500   | 20.28 | ng/ul  | 95       |
| 59) 4-Chlorophenyl-phenylether | 15.89 | 204  | 291601   | 19.87 | ng/ul  | 89       |
| 60) 4-Nitroaniline             | 15.93 | 138  | 120440   | 19.68 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.98 | 198  | 121858m  | 20.42 | ng/ul  |          |
| 64) N-Nitrosodiphenylamine     | 16.10 | 169  | 495926   | 20.68 | ng/ul  | 94       |
| 65) 4-Bromophenyl-phenylether  | 16.78 | 248  | 224711   | 21.35 | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 16.90 | 284  | 260347   | 21.97 | ng/ul  | 94       |
| 67) Atrazine                   | 17.04 | 200  | 223073   | 19.57 | ng/ul  | 94       |
| 68) Pentachlorophenol          | 17.25 | 266  | 149421m  | 21.00 | ng/ul  |          |
| 69) Phenanthrene               | 17.65 | 178  | 905336m  | 20.35 | ng/ul  |          |
| 71) Anthracene                 | 17.74 | 178  | 933849   | 20.42 | ng/ul  | 98       |
| 72) Carbazole                  | 18.01 | 167  | 800976   | 20.99 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.53 | 149  | 951028m  | 19.74 | ng/ul  |          |
| 74) Fluoranthene               | 19.64 | 202  | 1134043m | 21.46 | ng/ul  |          |
| 77) Pyrene                     | 20.01 | 202  | 1118653  | 20.04 | ng/ul# | 96       |
| 78) Butylbenzylphthalate       | 20.86 | 149  | 444703   | 20.35 | ng/ul  | 94       |
| 79) 3,3'-Dichlorobenzidine     | 21.78 | 252  | 463395   | 22.89 | ng/ul  | 92       |
| 80) Benzo(a)anthracene         | 21.87 | 228  | 1241176  | 20.57 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.73 | 149  | 616925   | 20.51 | ng/ul# | 96       |
| 82) Chrysene                   | 21.94 | 228  | 1151677  | 20.41 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 23.00 | 149  | 1061883  | 21.31 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.22 | 252  | 1256465  | 20.64 | ng/ul  | 100      |
| 86) Benzo(k)fluoranthene       | 24.29 | 252  | 1190864  | 20.58 | ng/ul  | 97       |
| 88) Benzo(a)pyrene             | 25.15 | 252  | 1189954  | 20.33 | ng/ul# | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.24 | 276  | 1491791  | 20.51 | ng/ul  | 96       |
| 90) Dibenzo(a,h)anthracene     | 29.30 | 278  | 1272348  | 20.76 | ng/ul# | 95       |
| 91) Benzo(g,h,i)perylene       | 30.48 | 276  | 1240880m | 20.44 | ng/ul  |          |

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