

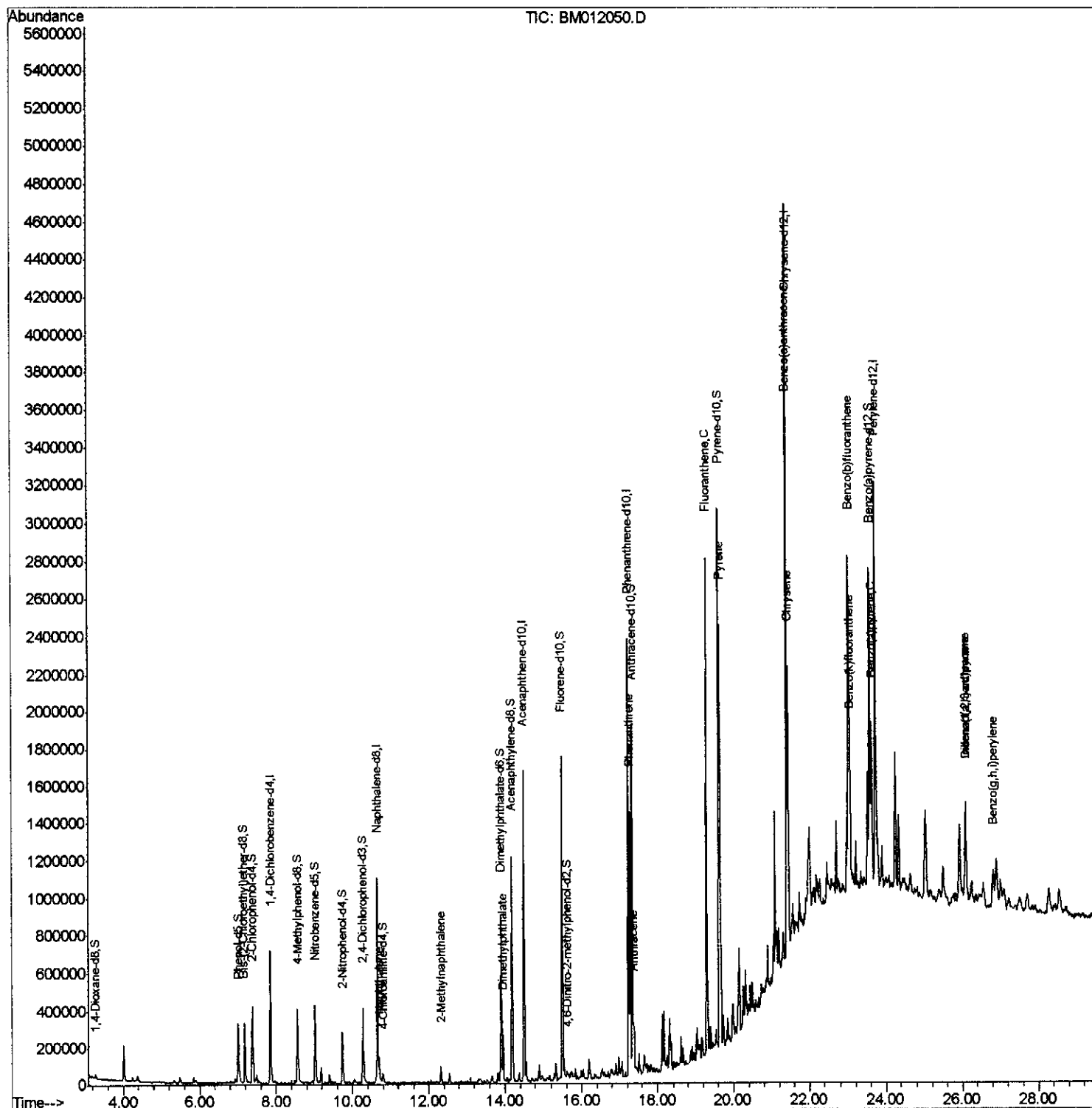
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\  
Data File : BM012050.D  
Acq On : 10 Oct 2017 19:57  
Operator : SJ/JU  
Sample : I5669-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
Client Sampled :  
CB3J0

Manual Integrations  
APPROVED

Sohil  
10/11/2017 7:29:13 PM

Quant Time: Oct 11 02:06:22 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 11 01:12:19 2017  
Response via : Initial Calibration



# Quantitation Report (Qedit)

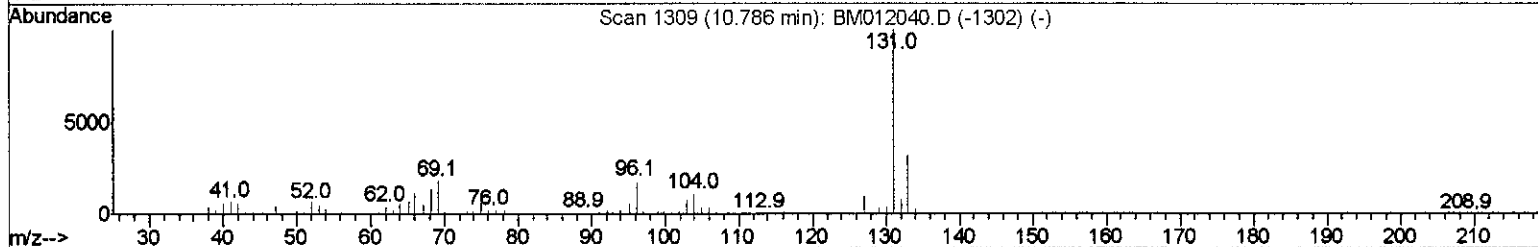
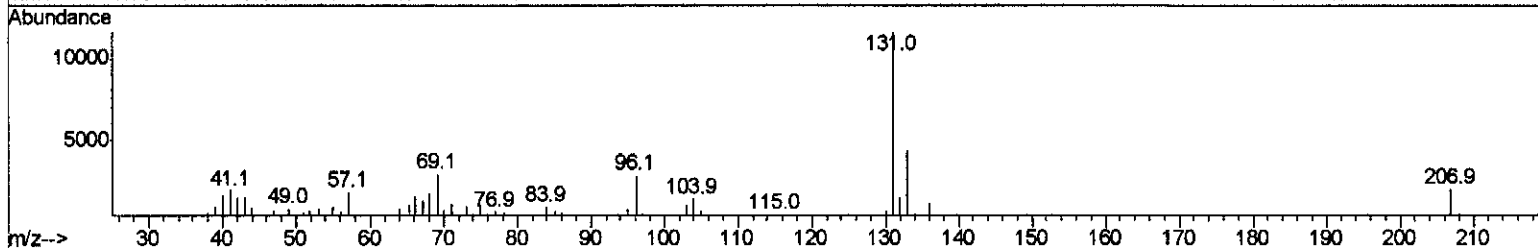
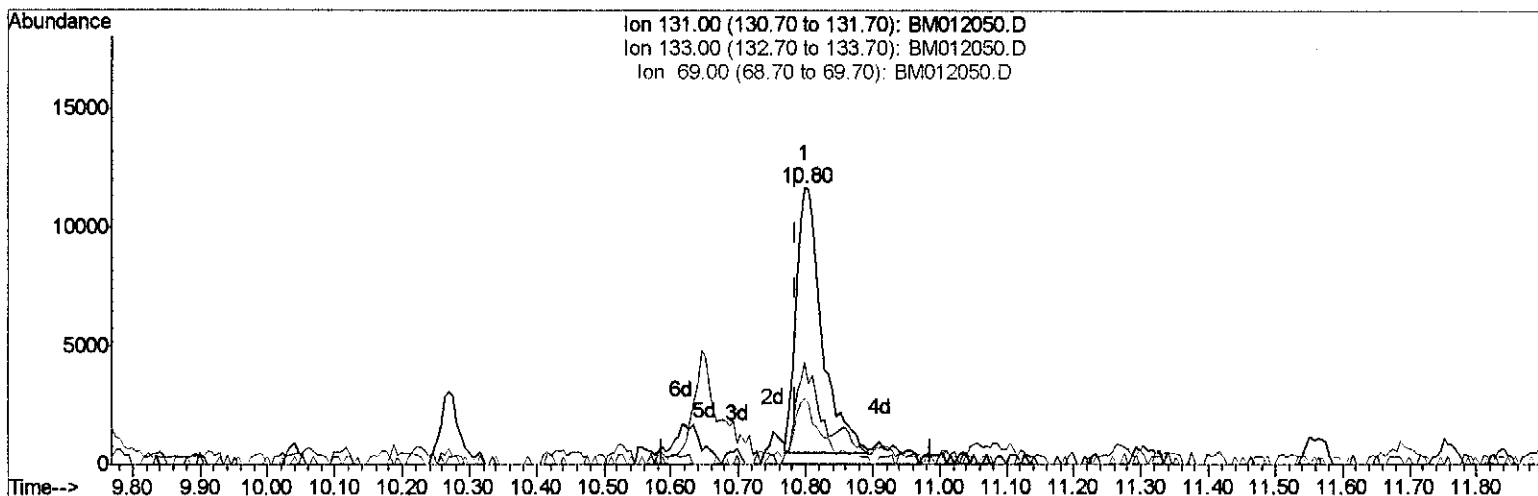
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\  
 Data File : BM012050.D  
 Acq On : 10 Oct 2017 19:57  
 Operator : SJ/JU  
 Sample : I5669-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 CB3J0

Manual Integrations  
 APPROVED

Sohil  
 10/11/2017 7:29:13 PM

Quant Time: Oct 11 01:15:10 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 11 01:12:19 2017  
 Response via : Initial Calibration



TIC: BM012050.D

(29) 4-Chloroaniline-d4 (S)  
 10.798min (+0.012) 1.89ng/ul  
 response 29712

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 31.40 | 36.90 |
| 69.00  | 24.30 | 24.18 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

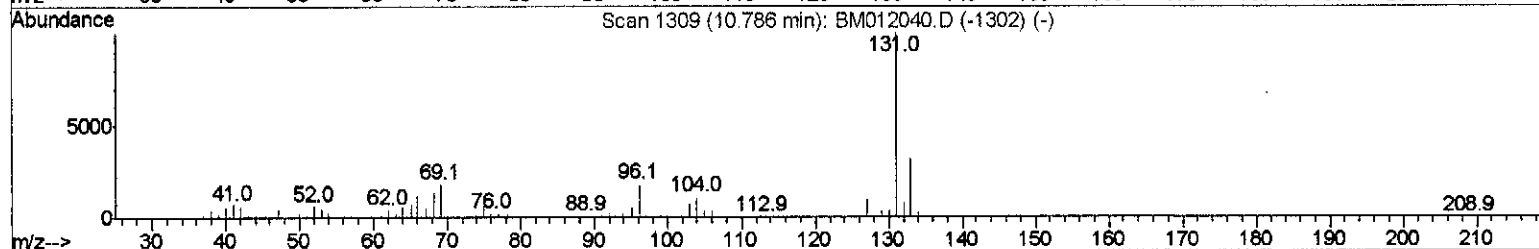
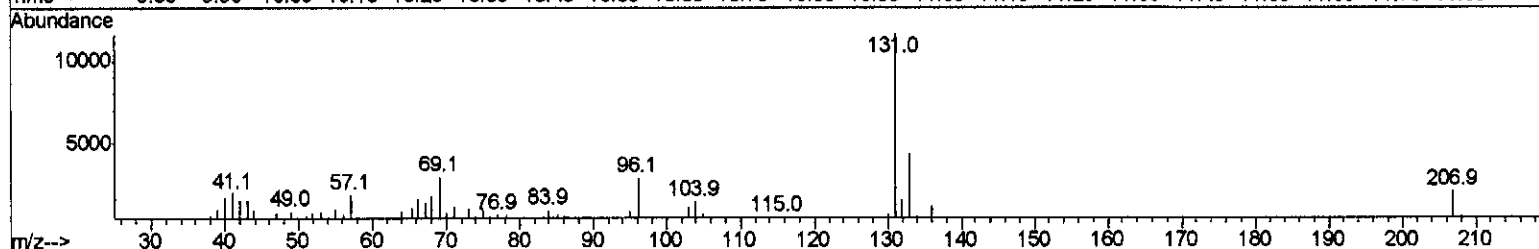
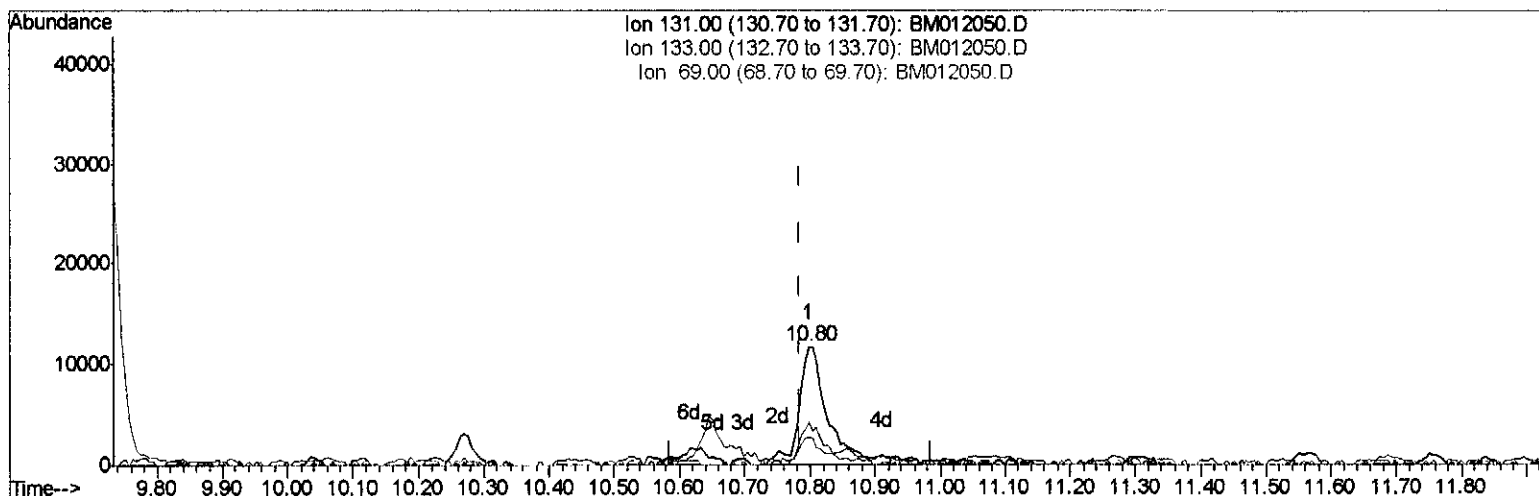
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\  
 Data File : BM012050.D  
 Acq On : 10 Oct 2017 19:57  
 Operator : SJ/JU  
 Sample : I5669-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 CB3J0

Manual Integrations  
 APPROVED

Sohil  
 10/11/2017 7:29:13 PM

Quant Time: Oct 11 01:15:10 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 11 01:12:19 2017  
 Response via : Initial Calibration



TIC: BM012050.D

(29) 4-Chloroaniline-d4 (S)

10.798min (+0.012) 2.35ng/ul m> SJ 10/14/17

response 36862

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 31.40 | 36.90 |
| 69.00  | 24.30 | 24.18 |
| 0.00   | 0.00  | 0.00  |

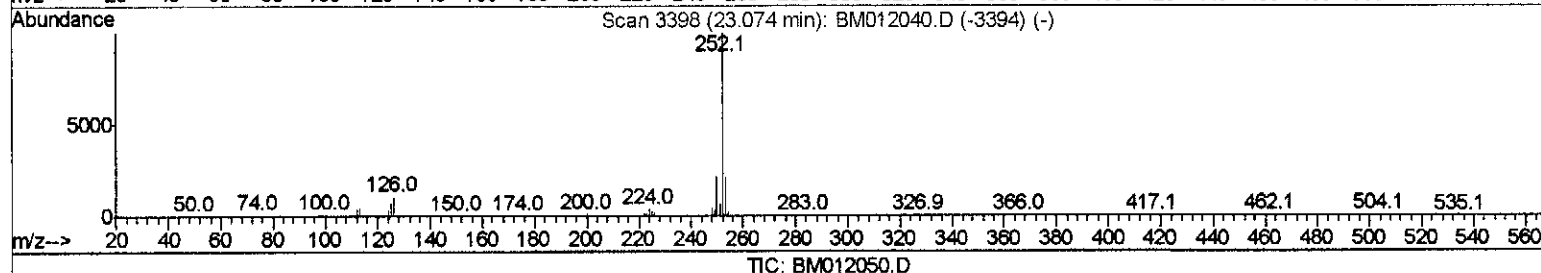
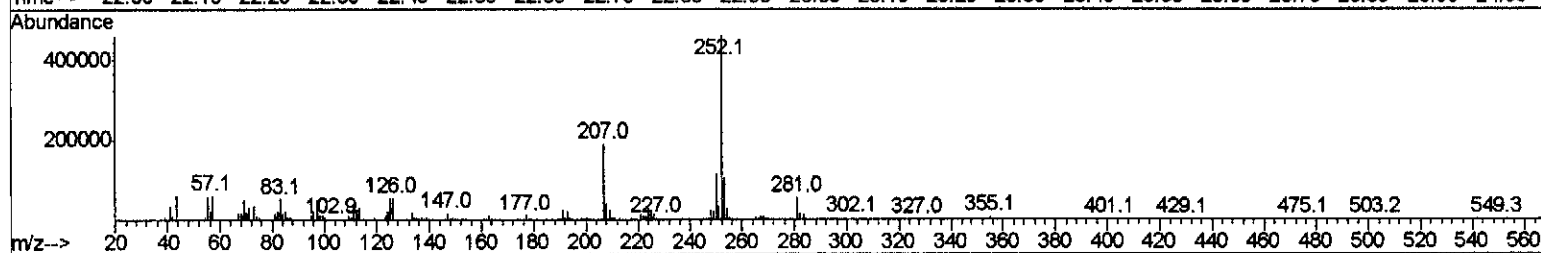
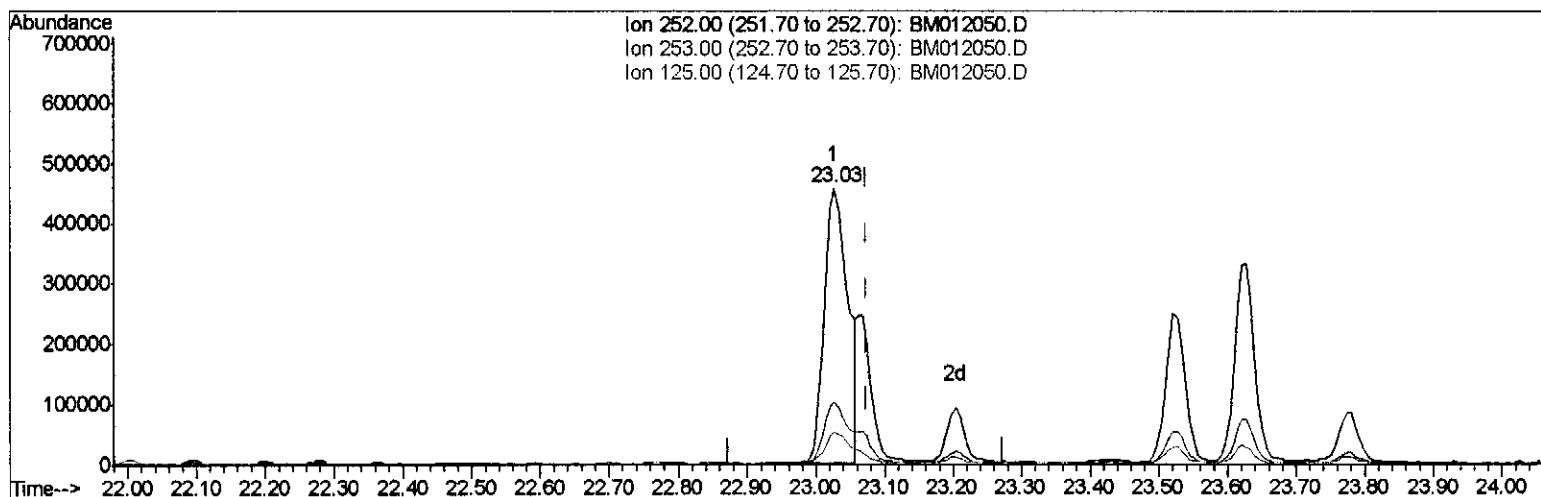
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\  
Data File : BM012050.D  
Acq On : 10 Oct 2017 19:57  
Operator : SJ/JU  
Sample : I5669-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
CB3J0

Manual Integrations  
APPROVED

Sohil  
10/11/2017 7:29:13 PM

Quant Time: Oct 11 01:15:10 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 11 01:12:19 2017  
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

23.027min (-0.047) 11.19ng/ul

response 1080785

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 22.84  |
| 125.00 | 4.30  | 11.66# |
| 0.00   | 0.00  | 0.00   |

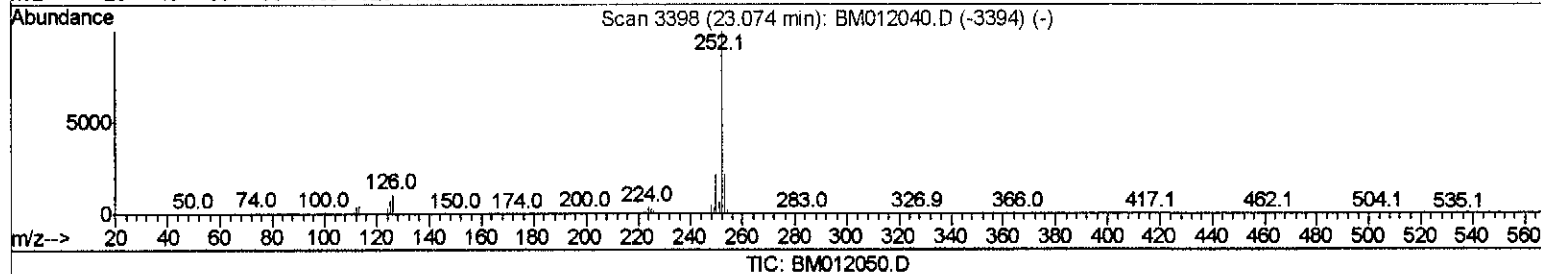
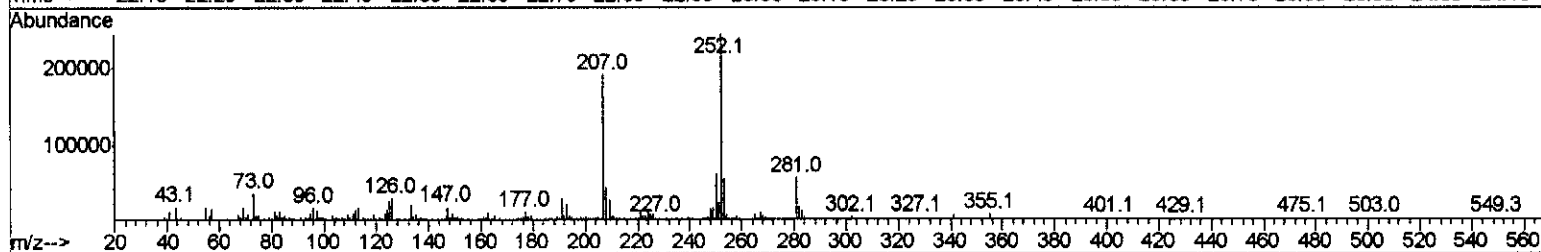
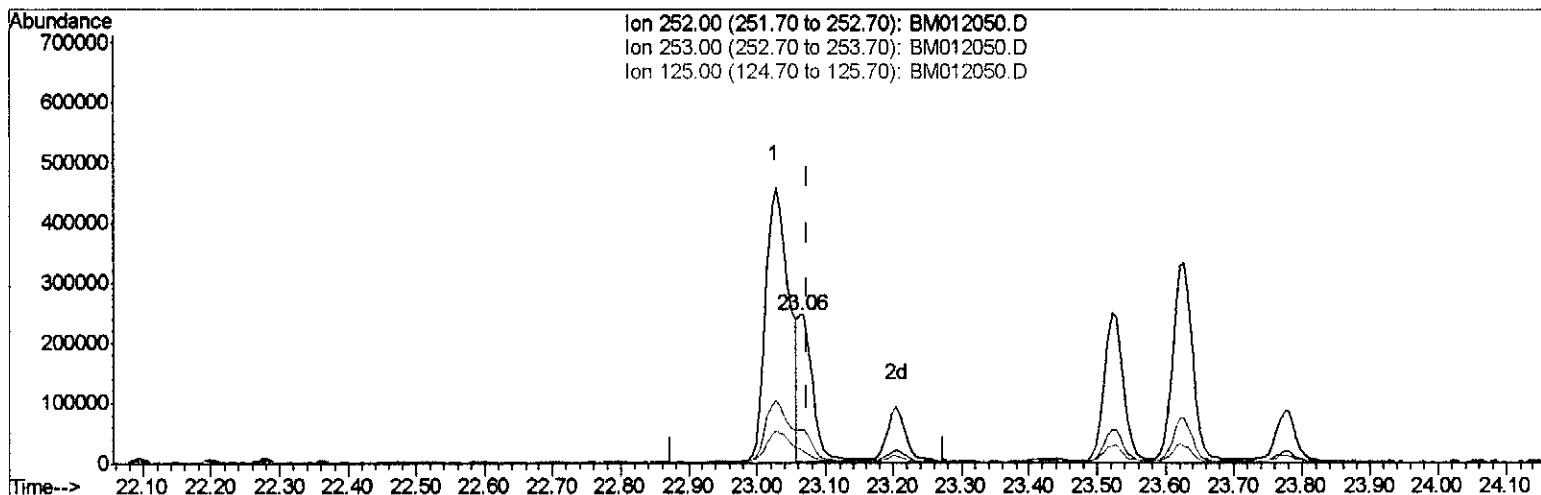
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\  
Data File : BM012050.D  
Acq On : 10 Oct 2017 19:57  
Operator : SJ/JU  
Sample : I5669-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
CB3J0

Manual Integrations  
APPROVED

Sohil  
10/11/2017 7:29:13 PM

Quant Time: Oct 11 01:15:10 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 11 01:12:19 2017  
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

23.062min (-0.012) 3.70ng/ul m> SD 10/14/12

response 357931

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 21.86 |
| 125.00 | 4.30  | 9.99# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\  
 Data File : BM012050.D  
 Acq On : 10 Oct 2017 19:57  
 Operator : SJ/JU  
 Sample : I5669-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 CB3J0

Manual Integrations  
 APPROVED

Sohil  
 10/11/2017 7:29:13 PM

Quant Time: Oct 11 02:06:22 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 11 01:12:19 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 202300   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.65 | 136  | 887647   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.49 | 164  | 542748   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.23 | 188  | 1276898  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.41 | 240  | 1630949  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.73 | 264  | 1592122  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 11529   | 2.70  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.00  | 99  | 192072  | 11.04 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 161191  | 15.65 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 192903  | 13.82 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 168642  | 11.21 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.01  | 128 | 97343   | 15.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.73  | 143 | 85263   | 11.98 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.27 | 165 | 176048  | 12.24 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 36862m  | 2.35  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 603818  | 12.84 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.19 | 160 | 901095  | 16.30 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.76 | 143 | 790     | 0.10  | ng/ul | 0.06 |
| 57) Fluorene-d10               | 15.48 | 176 | 673008  | 16.21 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 9568    | 1.11  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.33 | 188 | 1014887 | 16.13 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.63 | 212 | 1264189 | 17.18 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.58 | 264 | 1100098 | 14.36 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |        | Ovalue |     |
|----------------------------|-------|-----|---------|--------|--------|-----|
| 28) Naphthalene            | 10.70 | 128 | 99935   | 2.244  | ng/ul  | 100 |
| 34) 2-Methylnaphthalene    | 12.31 | 142 | 46150   | 1.359  | ng/ul  | 99  |
| 44) Dimethylphthalate      | 13.95 | 163 | 162814  | 3.598  | ng/ul  | 99  |
| 69) Phenanthrene           | 17.27 | 178 | 848886  | 12.086 | ng/ul  | 98  |
| 71) Anthracene             | 17.37 | 178 | 172859  | 2.419  | ng/ul  | 96  |
| 74) Fluoranthene           | 19.29 | 202 | 1552159 | 18.112 | ng/ul# | 91  |
| 77) Pyrene                 | 19.65 | 202 | 1339364 | 14.811 | ng/ul# | 89  |
| 80) Benzo(a)anthracene     | 21.39 | 228 | 860491  | 9.210  | ng/ul  | 99  |
| 82) Chrysene               | 21.44 | 228 | 810147  | 9.126  | ng/ul  | 99  |
| 85) Benzo(b)fluoranthene   | 23.03 | 252 | 1080785 | 11.168 | ng/ul# | 96  |
| 86) Benzo(k)fluoranthene   | 23.06 | 252 | 357931m | 3.705  | ng/ul  | 96  |
| 88) Benzo(a)pyrene         | 23.63 | 252 | 645832  | 6.945  | ng/ul# | 97  |
| 89) Indeno(1,2,3-cd)pyrene | 26.09 | 276 | 361498  | 3.633  | ng/ul# | 95  |
| 90) Dibenzo(a,h)anthracene | 26.09 | 278 | 107656  | 1.317  | ng/ul# | 84  |
| 91) Benzo(g,h,i)perylene   | 26.82 | 276 | 295883  | 3.595  | ng/ul# | 96  |

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