

**Instrument :**  
BNA\_M  
**ClientSampleId :**  
F6A85

Sohil  
1/25/2018 5:35:49 PM

TIC: BM013790.D

Abundance

Time-->

1,4-Dioxane-d8, S

Phenol-d5, S

Bis(2-chlorophenyl) ether-d8, S

2-Chlorophenol-d4, S

1,4-Dichlorobenzene-d4, I

4-Methylphenol-d8, S

Nitrobenzene-d5, S

2-Nitrophenol-d4, S

2,4-Dichlorophenol-d3, S

4-Chlorophenol-d4, S

2-Methylnaphthalene

1,1'-Biphenyl

Dimethylphthalate-d6, S

Acenaphthylene-d8, S

4-Nitrophenol-d4, S

2,3,4,6-Tetrachlorophenol

4,6-Dimethylphenol-d2, S

Phenanthrene

Acenaphthene-d10, I

Fluorene

Carbazole

Fluoranthene, C

Pyrene-d10, S

Chrysene

Benzo(a)anthracene

Benzo(b)fluoranthene

Benzofluoranthene-d12, S

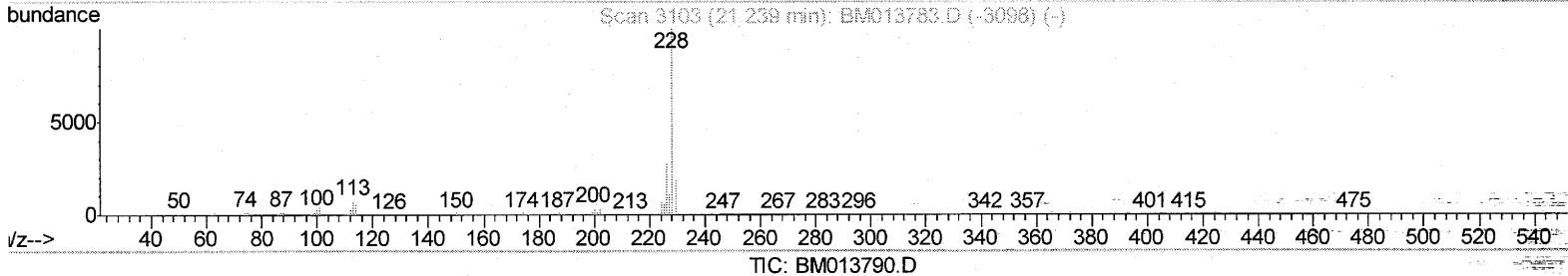
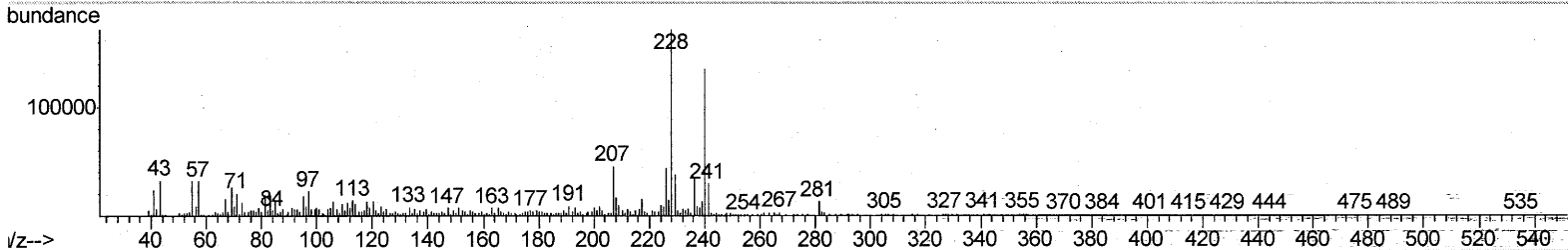
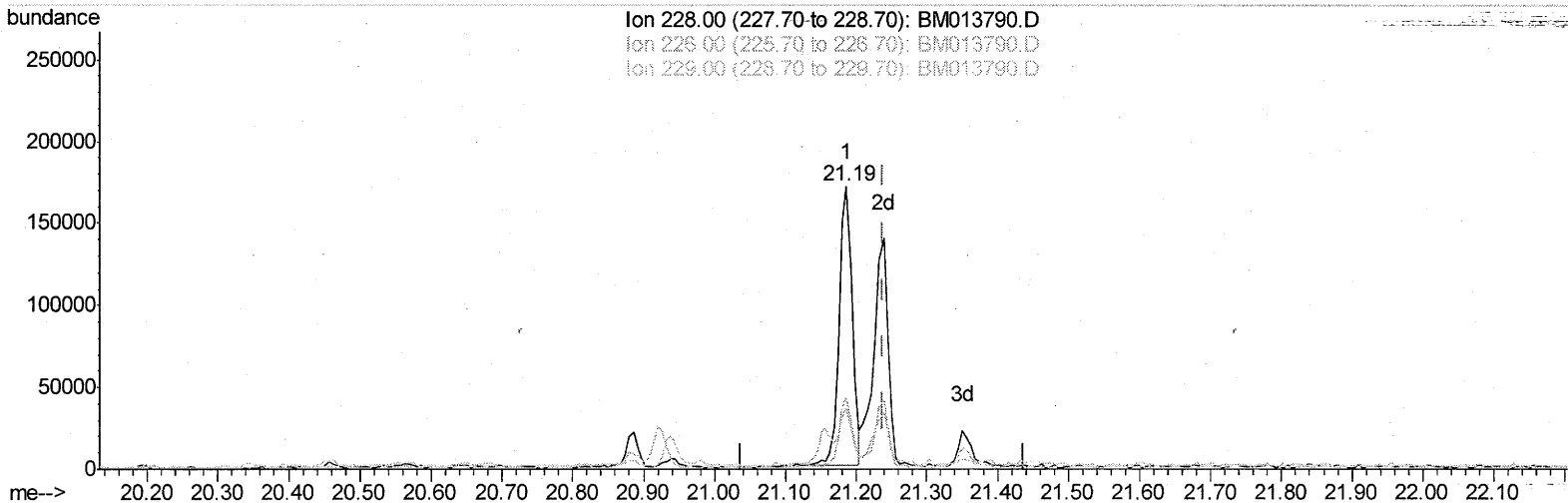
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\  
 Data File : BM013790.D  
 Acq On : 25 Jan 2018 04:23  
 Operator : SJ/JU  
 Sample : J1222-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A85

Manual Integrations  
 APPROVED

Sohil  
 1/25/2018 5:35:49 PM

Quant Time: Jan 25 05:49:32 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 25 03:36:03 2018  
 Response via : Initial Calibration



(82) Chrysene

21.186min (-0.053) 5.25ng/ul

response 219148

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.30 | 25.46 |
| 229.00 | 19.40 | 21.85 |
| 0.00   | 0.00  | 0.00  |

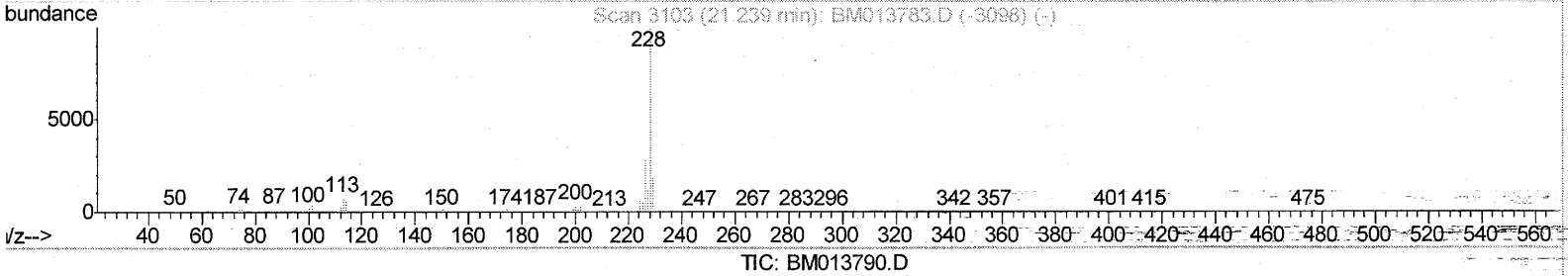
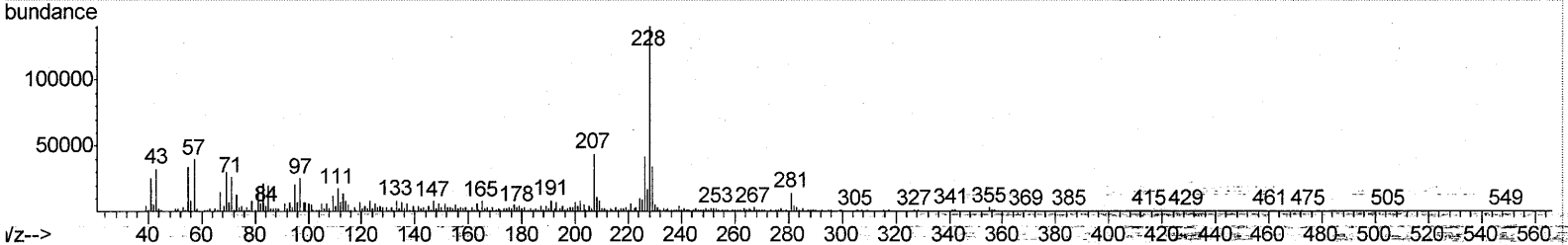
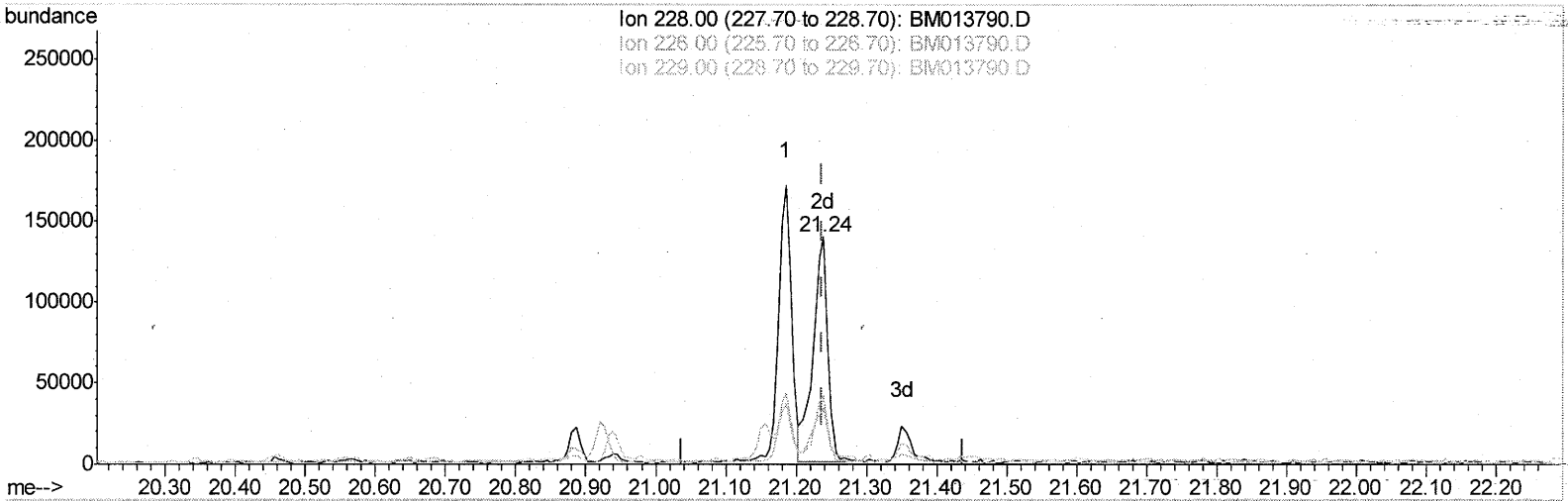
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\  
 Data File : BM013790.D  
 Acq On : 25 Jan 2018 04:23  
 Operator : SJ/JU  
 Sample : J1222-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A85

Manual Integrations  
 APPROVED

Sohil  
 1/25/2018 5:35:49 PM

Quant Time: Jan 25 05:49:32 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 25 03:36:03 2018  
 Response via : Initial Calibration



(82) Chrysene

21.239min (+0.000) 4.80ng/ul m

*SJ 1/27/18*

response 200194

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.30 | 29.92  |
| 229.00 | 19.40 | 24.33# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\  
 Data File : BM013790.D  
 Acq On : 25 Jan 2018 04:23  
 Operator : SJ/JU  
 Sample : J1222-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sampled :  
 F6A85

Manual Integrations  
 APPROVED

Sohil  
 1/25/2018 5:35:49 PM

Quant Time: Jan 25 06:47:00 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 25 03:36:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 163658   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.37 | 136  | 637899   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.24 | 164  | 420011   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.00 | 188  | 738833   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.20 | 240  | 752520   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.39 | 264  | 773752   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96   | 10262    | 2.48  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.78  | 99   | 220503   | 17.55 | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67   | 127118   | 16.70 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.13  | 132  | 184208   | 17.99 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.30  | 113  | 165281   | 17.11 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 8.75  | 128  | 94320    | 19.06 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.46  | 143  | 100061   | 19.13 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.00 | 165  | 189779   | 18.78 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.52 | 131  | 157430   | 17.96 | ng/ul | 0.00     |
| 43) Dimethylphthalate-d6       | 13.66 | 166  | 555388   | 16.04 | ng/ul | 0.00     |
| 46) Acenaphthylene-d8          | 13.94 | 160  | 677627   | 15.35 | ng/ul | 0.00     |
| 51) 4-Nitrophenol-d4           | 14.48 | 143  | 74834    | 13.30 | ng/ul | 0.00     |
| 57) Fluorene-d10               | 15.24 | 176  | 462369   | 15.19 | ng/ul | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.39 | 200  | 31932    | 7.18  | ng/ul | 0.00     |
| 70) Anthracene-d10             | 17.10 | 188  | 685849   | 19.06 | ng/ul | 0.00     |
| 76) Pyrene-d10                 | 19.40 | 212  | 761226   | 21.73 | ng/ul | 0.00     |
| 87) Benzo(a)pyrene-d12         | 23.26 | 264  | 728017   | 20.47 | ng/ul | 0.00     |

| Target Compounds              | R.T.  | QIon | Response | Conc    | Units  | Ovalue     |
|-------------------------------|-------|------|----------|---------|--------|------------|
| 6) Phenol                     | 6.81  | 94   | 52885    | 4.197   | ng/ul# | 81         |
| 28) Naphthalene               | 10.42 | 128  | 882208   | 27.799  | ng/ul  | 99         |
| 34) 2-Methylnaphthalene       | 12.04 | 142  | 783454   | 33.112  | ng/ul  | 98         |
| 40) 1,1'-Biphenyl             | 13.07 | 154  | 186849   | 5.344   | ng/ul  | 97         |
| 44) Dimethylphthalate         | 13.71 | 163  | 75399    | 2.215   | ng/ul  | 98         |
| 49) Acenaphthene              | 14.31 | 153  | 520442   | 18.606  | ng/ul  | 100        |
| 53) Dibenzofuran              | 14.65 | 168  | 566110   | 13.453  | ng/ul  | 95         |
| 55) 2,3,4,6-Tetrachlorophenol | 14.88 | 232  | 206123   | 23.378  | ng/ul# | 86         |
| 58) Fluorene                  | 15.30 | 166  | 531353   | 15.415  | ng/ul  | 95         |
| 68) Pentachlorophenol         | 16.67 | 266  | 3437358  | 688.649 | ng/ul  | 97         |
| 69) Phenanthrene              | 17.04 | 178  | 2702446  | 65.803  | ng/ul  | 100        |
| 71) Anthracene                | 17.13 | 178  | 450048   | 10.624  | ng/ul  | 97         |
| 72) Carbazole                 | 17.41 | 167  | 255071   | 7.295   | ng/ul  | 99         |
| 74) Fluoranthene              | 19.07 | 202  | 1496082  | 30.518  | ng/ul# | 95         |
| 77) Pyrene                    | 19.43 | 202  | 1032258  | 22.564  | ng/ul# | 95         |
| 80) Benzo(a)anthracene        | 21.19 | 228  | 219148   | 4.820   | ng/ul  | 96         |
| 82) Chrysene                  | 21.24 | 228  | 200194m  | 4.799   | ng/ul  | -531/27/18 |
| 85) Benzo(b)fluoranthene      | 22.74 | 252  | 120724   | 2.541   | ng/ul# | 89         |
| 88) Benzo(a)pyrene            | 23.30 | 252  | 66831    | 1.489   | ng/ul# | 76         |

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