

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\  
 Data File : BM024139.D  
 Acq On : 18 Dec 2019 01:45  
 Operator : JU  
 Sample : K6132-22  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 18 02:41:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 17 15:54:50 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.45  | 152  | 419113   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.22 | 136  | 1955572  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.11 | 164  | 1288033  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.87 | 188  | 2741732  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.08 | 240  | 2488450  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.21 | 264  | 2337470  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.01  | 96  | 48296   | 5.09  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.65  | 99  | 273598  | 6.89  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.80  | 67  | 631881  | 26.55 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.99  | 132 | 682560  | 24.12 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.17  | 113 | 530833  | 16.36 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 410141  | 29.19 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.32  | 143 | 472988  | 30.61 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.86  | 165 | 904604  | 30.12 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.39 | 131 | 46865   | 1.28  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.54 | 166 | 3198361 | 33.58 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.80 | 160 | 3691216 | 32.34 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.38 | 143 | 120809  | 7.06  | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.12 | 176 | 2775250 | 33.24 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.27 | 200 | 498081  | 29.78 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.97 | 188 | 4413302 | 35.38 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.27 | 212 | 4717446 | 39.80 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.08 | 264 | 4166283 | 35.88 | ng/ul | 0.00 |

## Target Compounds

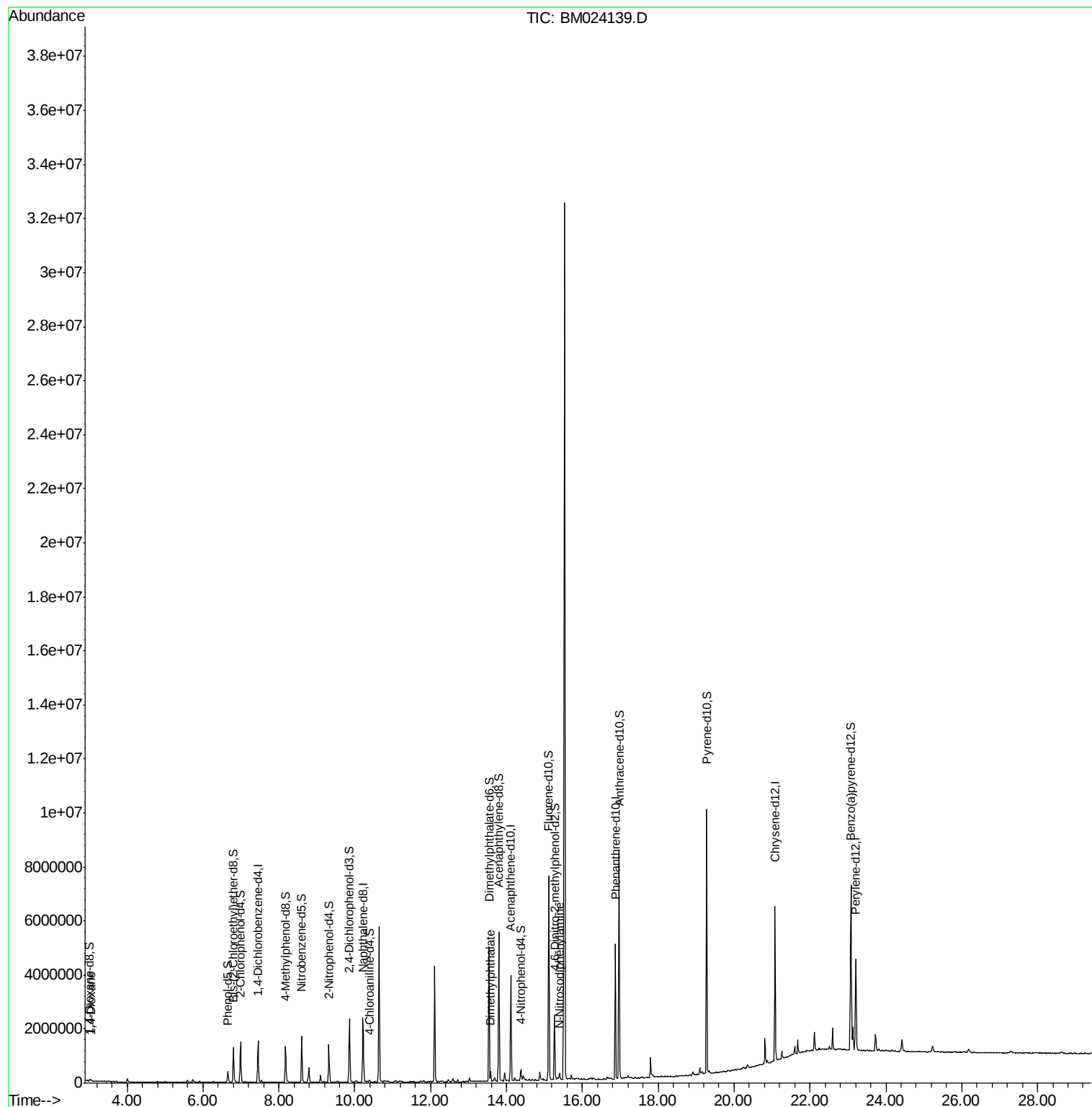
|                            |       |     |        |       | Ovalue   |
|----------------------------|-------|-----|--------|-------|----------|
| 2) 1,4-Dioxane             | 3.05  | 88  | 28409  | 2.703 | ng/uL 96 |
| 45) Dimethylphthalate      | 13.59 | 163 | 245867 | 2.484 | ng/ul 99 |
| 65) N-Nitrosodiphenylamine | 15.40 | 169 | 100266 | 1.258 | ng/ul 99 |

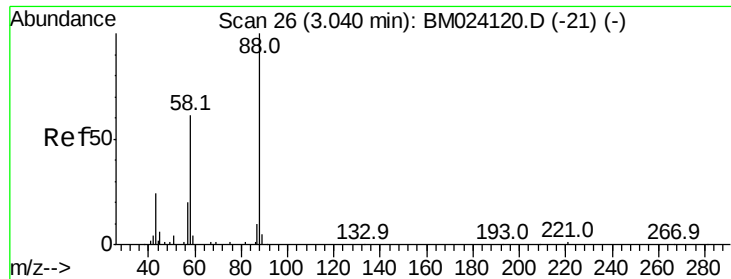
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.703 ng/uL

RT: 3.05 min Scan# 27

Delta R.T. 0.01 min

Lab File: BM024139.D

Acq: 18 Dec 2019 01:45

Instrument :

BNA\_M

ClientSampleId :

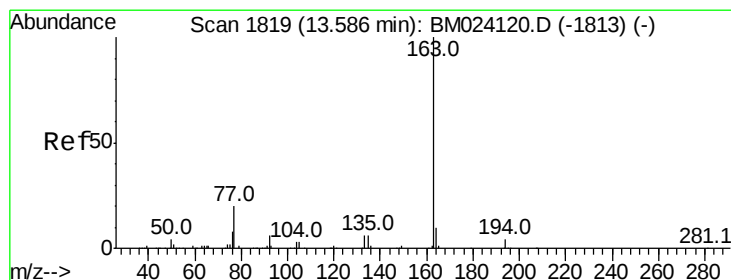
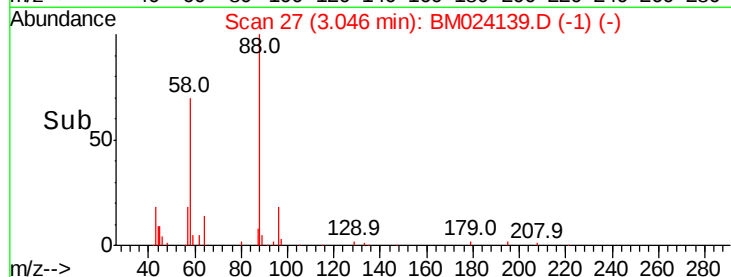
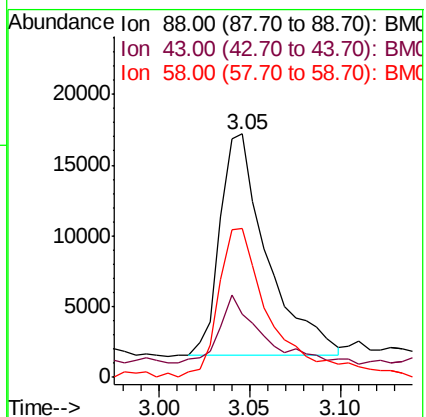
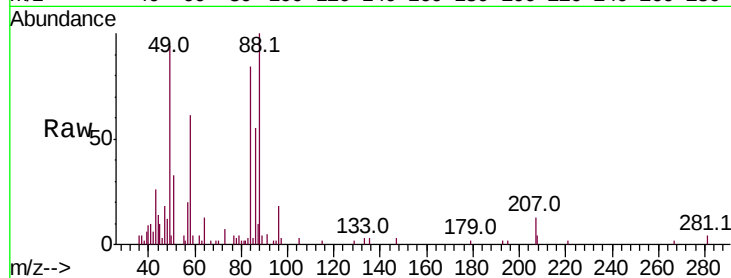
Tot Ion: 88 Resp: 28409

Ion Ratio Lower Upper

88 100

43 25.9 25.9 38.9

58 61.2 48.8 73.2



#45

Dimethylphthalate

Concen: 2.484 ng/uL

RT: 13.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BM024139.D

Acq: 18 Dec 2019 01:45

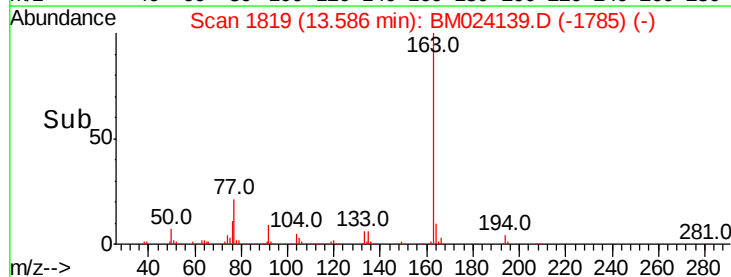
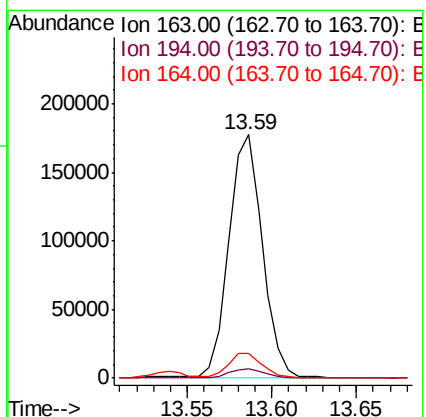
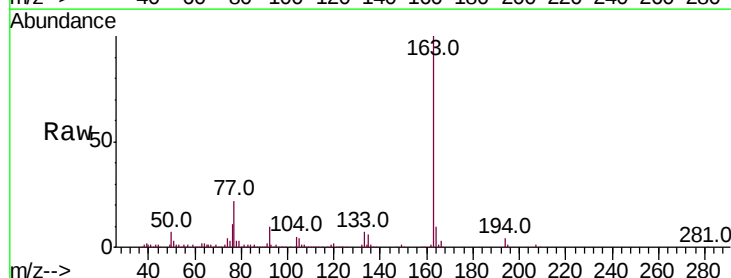
Tgt Ion:163 Resp: 245867

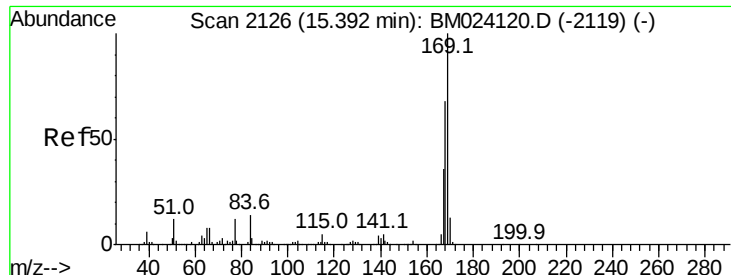
Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

164 10.0 7.8 11.6

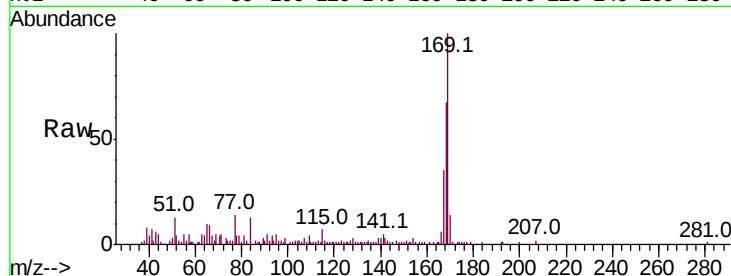




#65  
 N-Nitrosodiphenylamine  
 Concen: 1.258 ng/ul  
 RT: 15.40 min Scan# 2127  
 Delta R.T. 0.01 min  
 Lab File: BM024139.D  
 Acq: 18 Dec 2019 01:45

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.8  | 54.4  | 81.6  |
| 167     | 35.2  | 28.7  | 43.1  |



Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

