

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120318\  
 Data File : BN003687.D  
 Acq On : 03 Dec 2018 20:34  
 Operator : JU/SJ  
 Sample : J6137-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

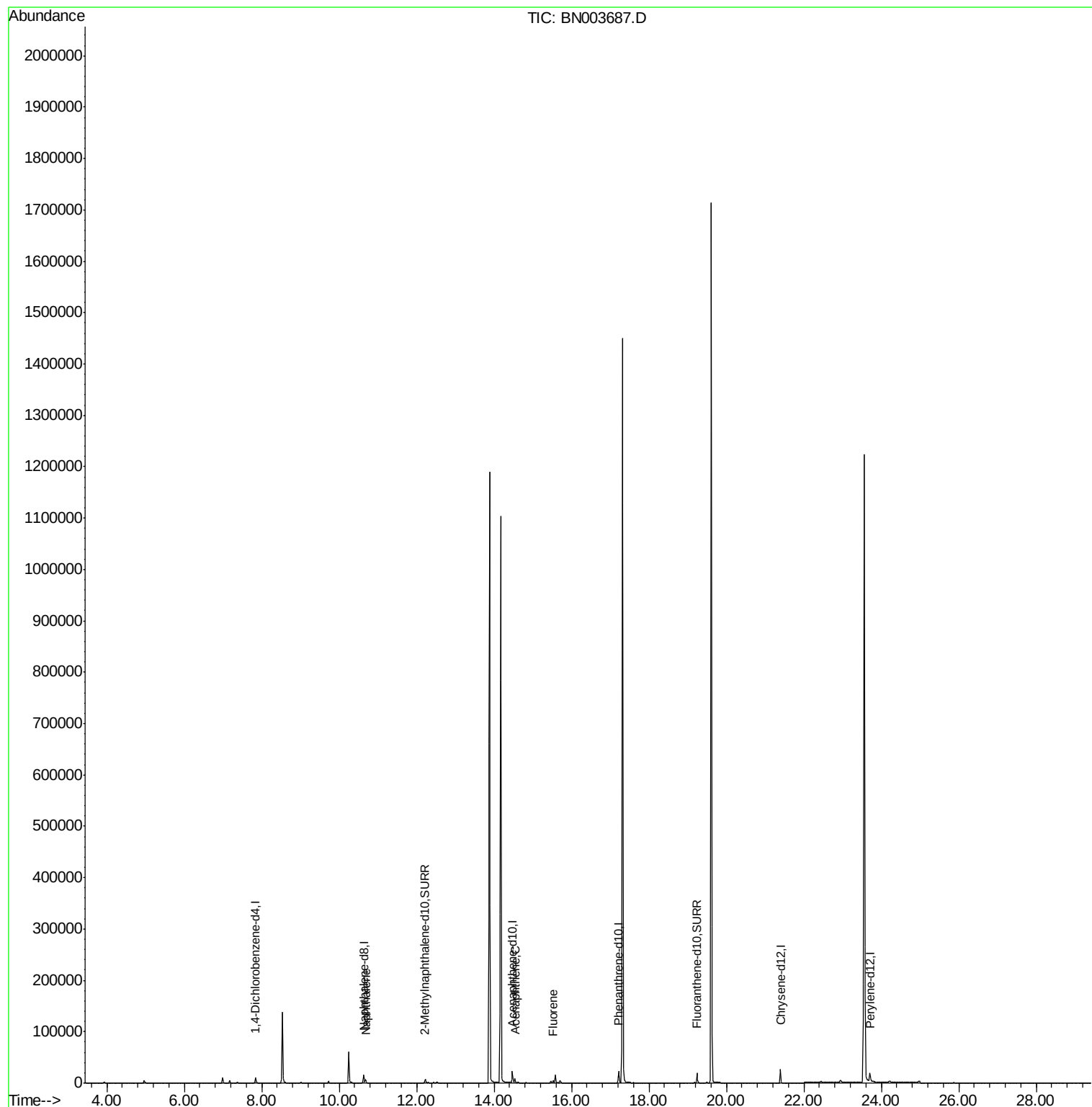
Quant Time: Dec 04 01:59:23 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 04 01:23:55 2018  
 Response via : Initial Calibration

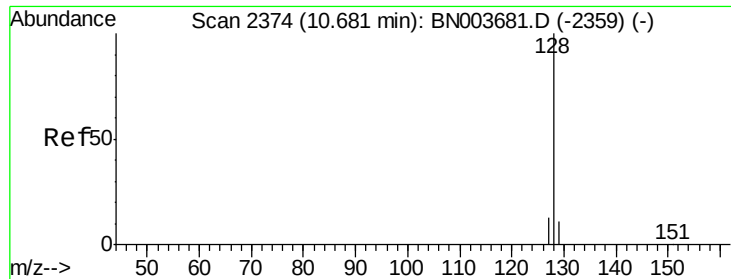
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.84  | 152  | 5178     | 0.40   | ng/ul | 0.00     |
| 2) Naphthalene-d8           | 10.64 | 136  | 21506    | 0.40   | ng/ul | 0.00     |
| 6) Acenaphthene-d10         | 14.47 | 164  | 12073    | 0.40   | ng/ul | 0.00     |
| 10) Phenanthrene-d10        | 17.22 | 188  | 26388m   | 0.40   | ng/ul | 0.00     |
| 16) Chrysene-d12            | 21.40 | 240  | 23559m   | 0.40   | ng/ul | 0.00     |
| 20) Perylene-d12            | 23.70 | 264  | 19878m   | 0.40   | ng/ul | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152  | 8816     | 0.27   | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.24 | 212  | 20228m   | 0.26   | ng/ul | 0.00     |
| Target Compounds            |       |      |          | Ovalue |       |          |
| 3) Naphthalene              | 10.68 | 128  | 8760     | 0.145  | ng/ul | 98       |
| 8) Acenaphthene             | 14.54 | 153  | 4157     | 0.087  | ng/ul | 100      |
| 9) Fluorene                 | 15.52 | 166  | 2821     | 0.051  | ng/ul | 97       |

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

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#3

Naphthalene

Concen: 0.145 ng/ul

RT: 10.68 min Scan# 2374

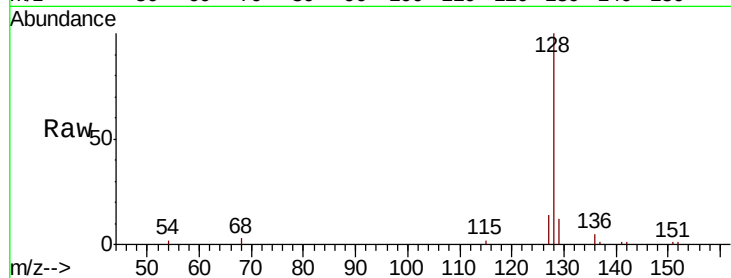
Delta R.T. -0.00 min

Lab File: BN003687.D

Acq: 03 Dec 2018 20:34

Tot Ion:128 Resp: 8760

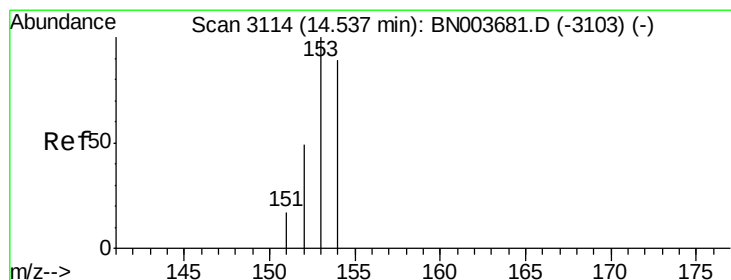
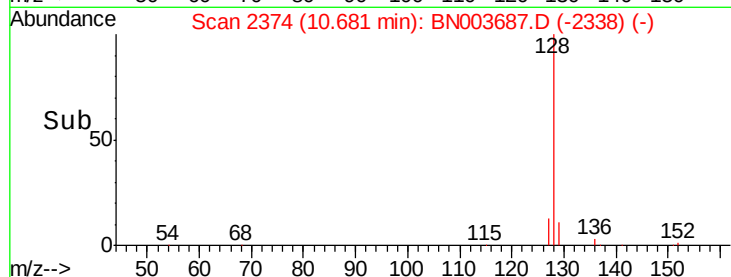
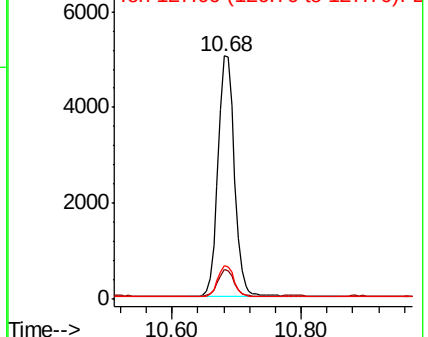
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 12.2  | 9.0   | 13.6  |
| 127 | 13.8  | 10.5  | 15.7  |



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#8

Acenaphthene

Concen: 0.087 ng/ul

RT: 14.54 min Scan# 3114

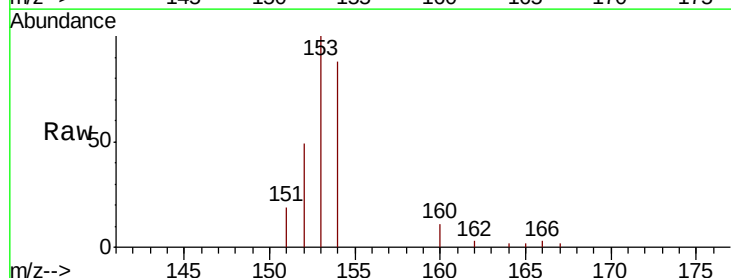
Delta R.T. -0.00 min

Lab File: BN003687.D

Acq: 03 Dec 2018 20:34

Tgt Ion:153 Resp: 4157

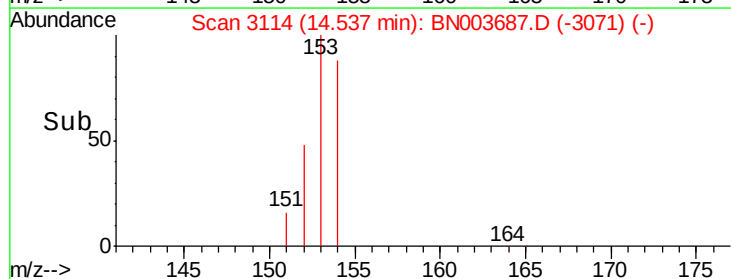
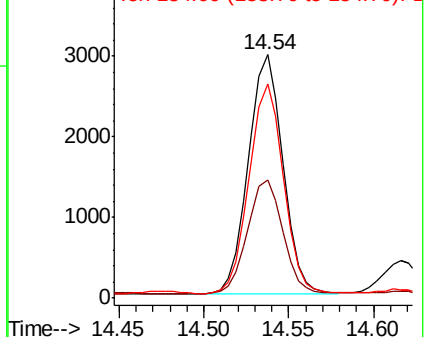
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 48.6  | 39.3  | 58.9  |
| 154 | 88.2  | 70.3  | 105.5 |

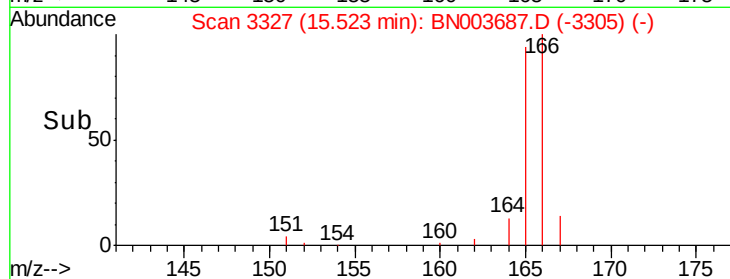
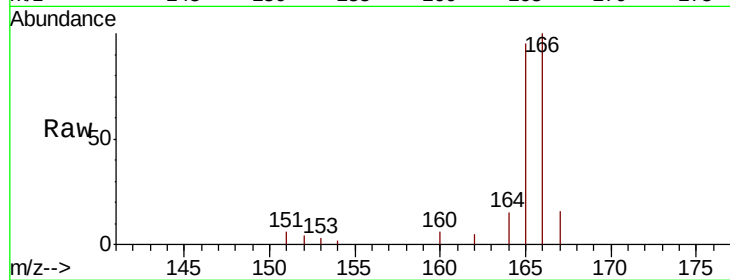
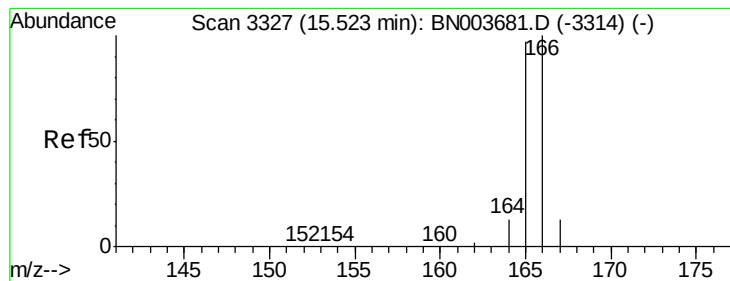


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.051 ng/ul

RT: 15.52 min Scan# 3327

Delta R.T. -0.00 min

Lab File: BN003687.D

Acq: 03 Dec 2018 20:34

Tot Ion:166 Resp: 2821

Ion Ratio Lower Upper

166 100

165 94.7 78.3 117.5

167 16.3 11.3 16.9

