Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
Data File : BM014625.D
Acq On : 17 Mar 2018 02:57
Operator : SJ/JU
Sample : J1918-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE8K1

Quant Time: Mar 17 04:49:50 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 17 03:22:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.45 | 152 | 84344 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.22 | 136 | 315869 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.12 | 164 | 150873 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 16.89 | 188 | 299272 | 20.00 | ng/ul | 0.00 |
| 18) Chrysene-d12 | 21.11 | 240 | 259209 | 20.00 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.27 | 264 | 255109 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2,4-Dichlorophenol-d3 | 9.88 | 165 | 116956 | 23.96 | ng/ul | 0.00 |
| 7) Acenaphthylene-d8 | 13.81 | 160 | 413540 | 25.65 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 15.13 | 176 | 251333 | 23.79 | ng/ul | 0.00 |
| 15) Anthracene-d10 | 16.89 | 188 | 299272 | 20.89 | ng/ul | -0.11 |
| 19) Pyrene-d10 | 19.30 | 212 | 380313 | 24.41 | ng/ul | 0.00 |
| 26) Benzo(a)pyrene-d12 | 23.14 | 264 | 320250 | 25.95 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Naphthalene | 10.27 | 128 | 29666 | 1.849 | ng/ul# | 95 |
| 5) 2-Methylnaphthalene | 11.90 | 142 | 30007 | 2.673 | ng/ul | 96 |
| 14) Phenanthrene | 16.93 | 178 | 24735 | 1.476 | ng/ul | 96 |
| 16) Anthracene | 16.93 | 178 | 24735 | 1.476 | ng/ul | 96 |

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

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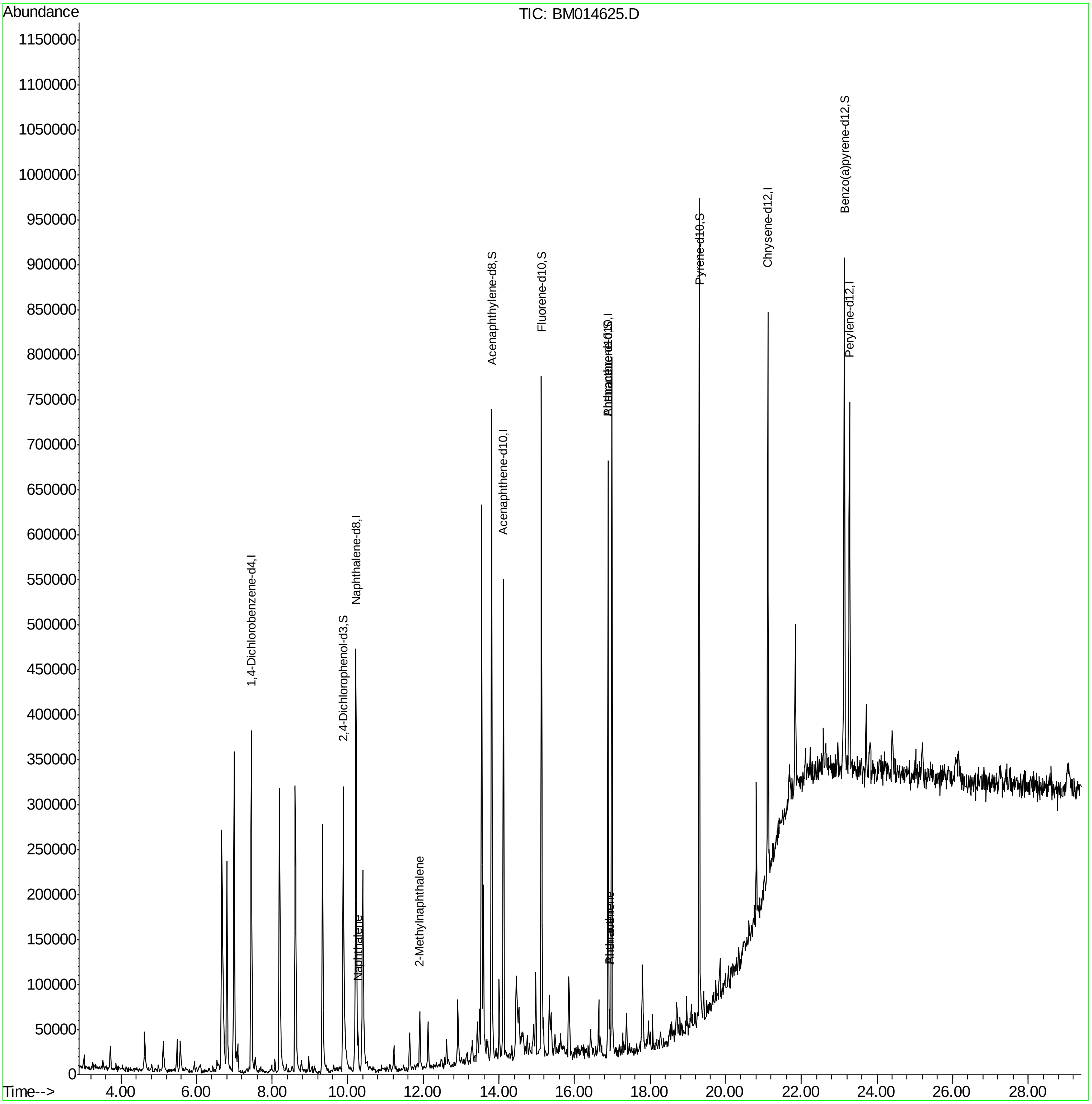
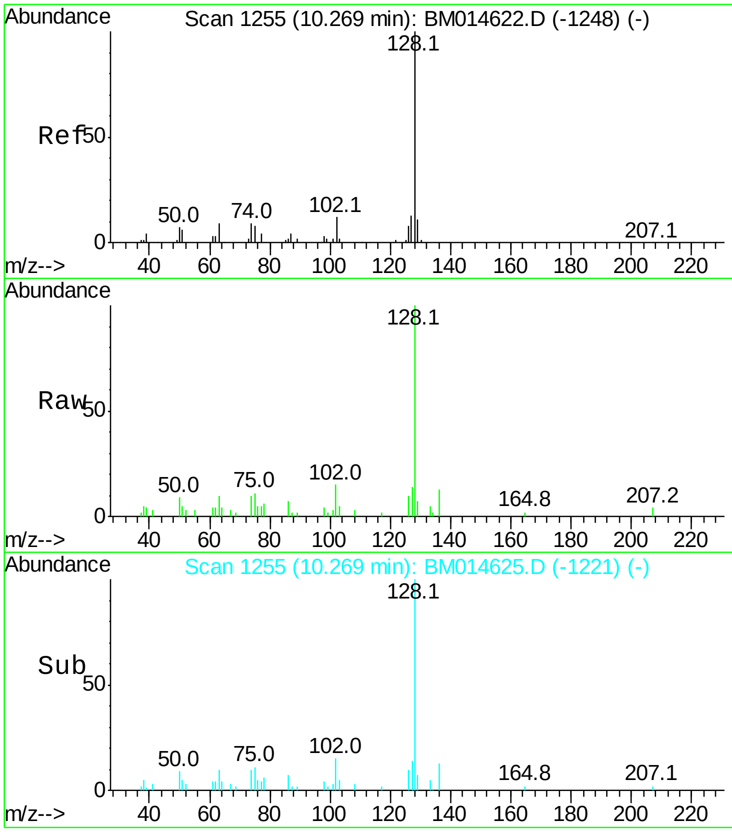
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BE8K1

Quant Time: Mar 17 04:49:50 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 17 03:22:03 2018
Response via : Initial Calibration



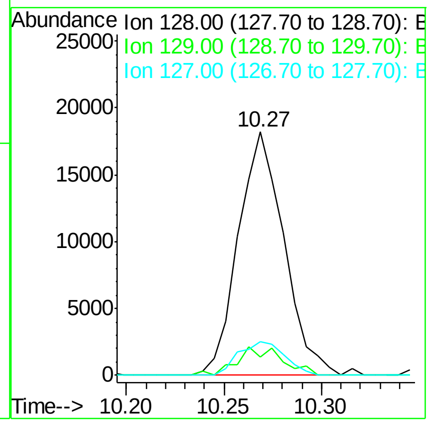


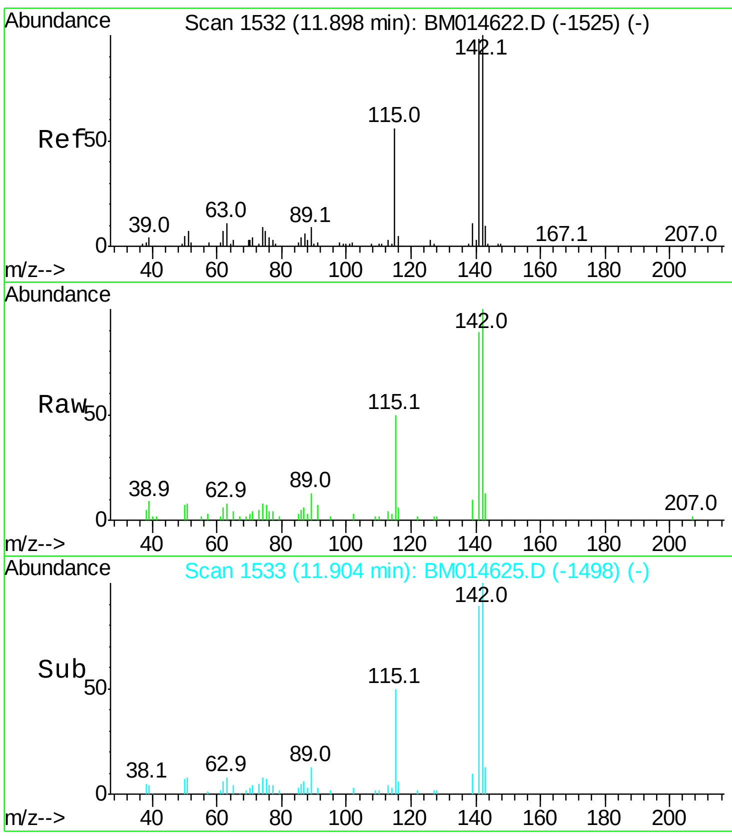

#4
Naphthalene
Concen: 1.849 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BM014625.D
Acq: 17 Mar 2018 02:57

**Instrument :**
BNA_M
**ClientSampleId :**
BE8K1

Tgt Ion:128 Resp: 29666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 7.4 | 8.8 | 13.2# |
| 127 | 13.7 | 10.6 | 16.0 |

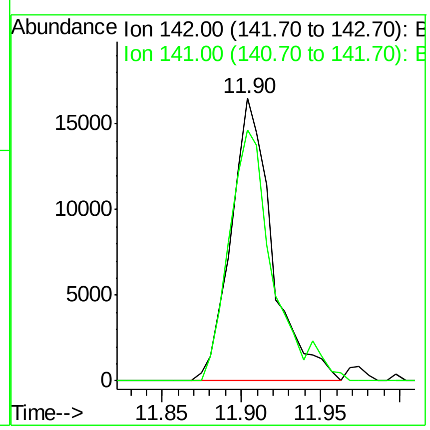


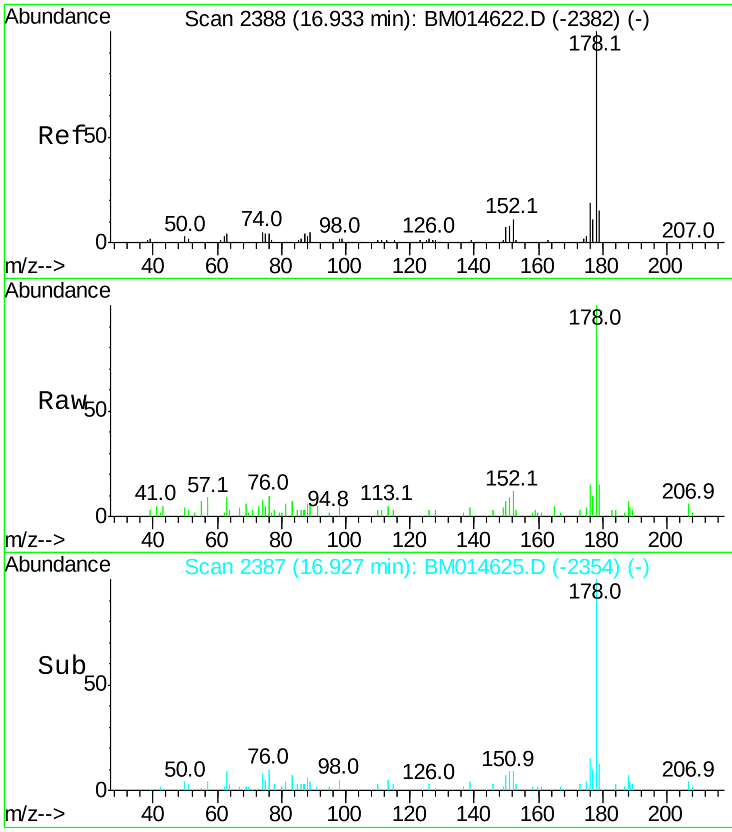




#5
2-Methylnaphthalene
Concen: 2.673 ng/ul
RT: 11.90 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BM014625.D
Acq: 17 Mar 2018 02:57

Tgt Ion:142 Resp: 30007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 74.1 | 111.1 |



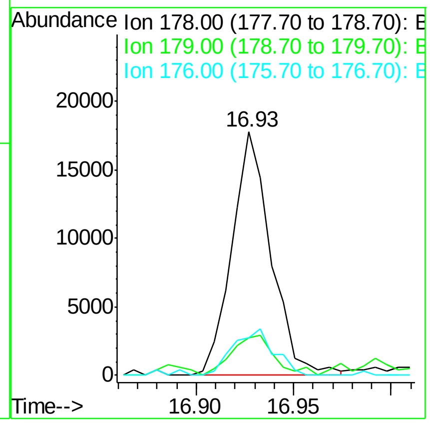


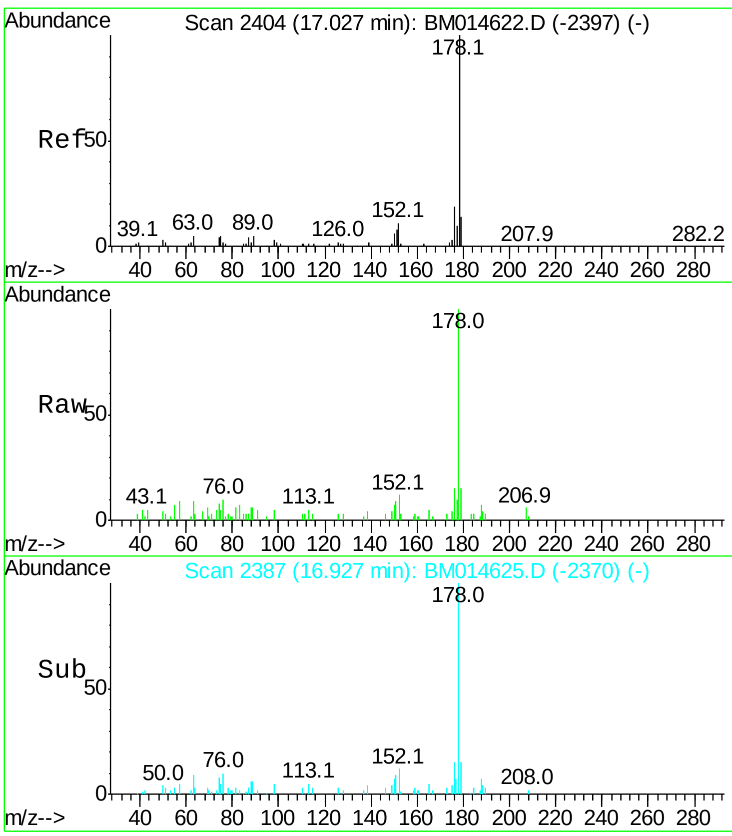

#14
Phenanthrene
Concen: 1.476 ng/ul
RT: 16.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BM014625.D
Acq: 17 Mar 2018 02:57

**Instrument :**
BNA_M
**ClientSampleId :**
BE8K1

Tgt Ion:178 Resp: 24735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.6 | 19.0 |
| 176 | 15.4 | 14.9 | 22.3 |




#16
Anthracene
Concen: 1.476 ng/ul
RT: 16.93 min Scan# 2387
Delta R.T. -0.10 min
Lab File: BM014625.D
Acq: 17 Mar 2018 02:57

Tgt Ion:178 Resp: 24735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 11.7 | 17.5 |
| 176 | 15.4 | 14.6 | 21.8 |