Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\
Data File : BM013824.D
Acq On : 26 Jan 2018 02:09
Operator : SJ/JU
Sample : J1233-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B23

Quant Time: Jan 26 03:36:18 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 26 02:50:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 153807 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.36 | 136 | 578129 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.24 | 164 | 317314 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.00 | 188 | 722542 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.20 | 240 | 785868 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.39 | 264 | 764859 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.15 | 96 | 15749 | 4.05 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.78 | 99 | 351027 | 29.73 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 222007 | 31.03 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.13 | 132 | 311081 | 32.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.30 | 113 | 305678 | 33.68 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.75 | 128 | 157401 | 35.09 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.46 | 143 | 171011 | 36.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.00 | 165 | 316830 | 34.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.52 | 131 | 315986 | 39.77 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.66 | 166 | 978075 | 37.40 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.93 | 160 | 1230990 | 36.91 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.48 | 143 | 118450 | 27.87 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.24 | 176 | 842215 | 36.62 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 132276 | 30.41 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.10 | 188 | 1290291 | 36.66 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.40 | 212 | 1438606 | 39.32 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.25 | 264 | 1390324 | 39.55 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.80 | 94 | 47403 | 4.003 | ng/ul# | 86 |
| 28) Naphthalene | 10.42 | 128 | 142188 | 4.944 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.04 | 142 | 41991 | 1.958 | ng/ul | 94 |
| 44) Dimethylphthalate | 13.71 | 163 | 288782 | 11.231 | ng/ul | 99 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.89 | 232 | 25818 | 3.876 | ng/ul# | 91 |
| 68) Pentachlorophenol | 16.65 | 266 | 421232 | 86.293 | ng/ul | 97 |
| 72) Carbazole | 17.42 | 167 | 46688 | 1.365 | ng/ul | 95 |

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

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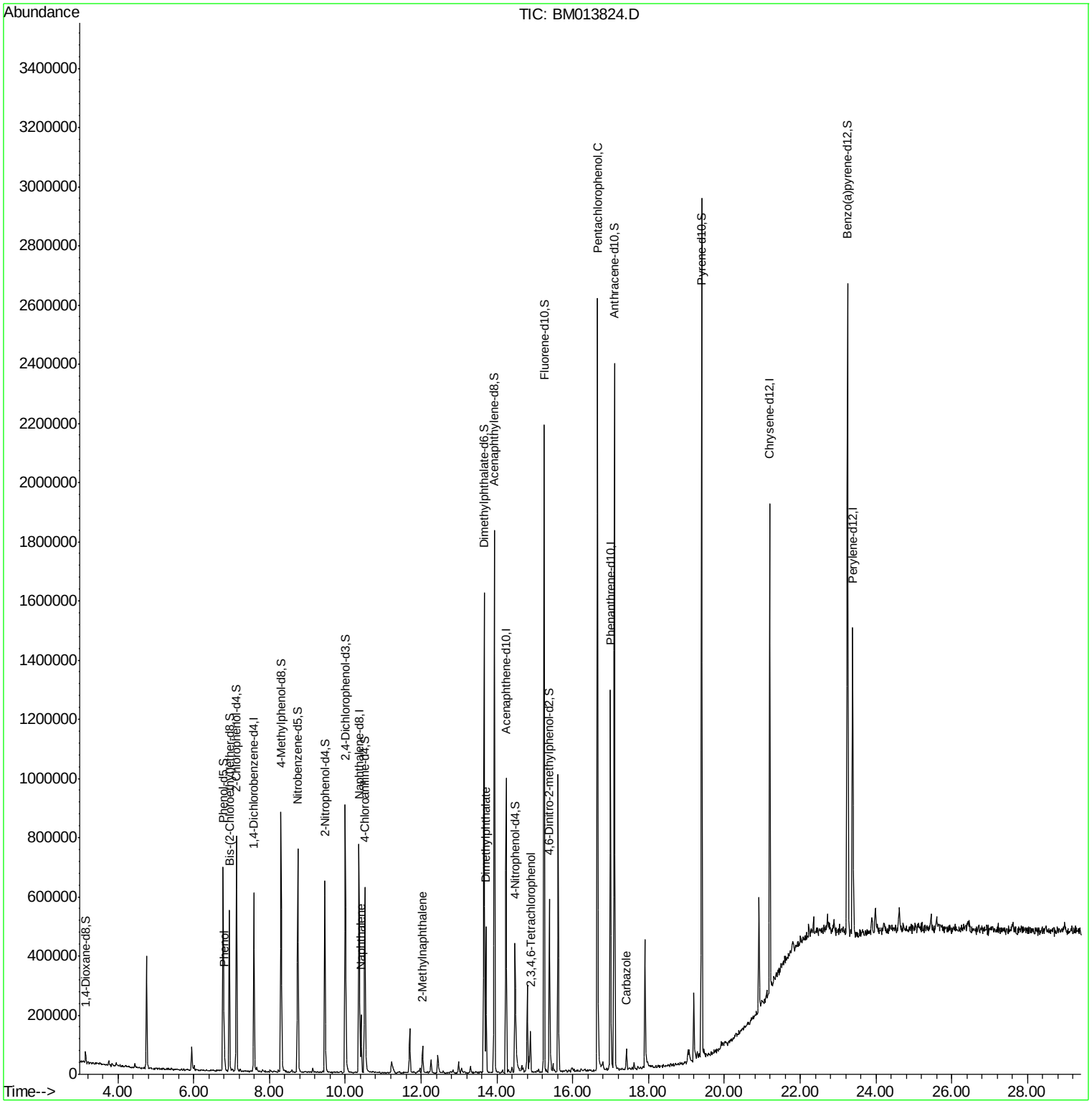
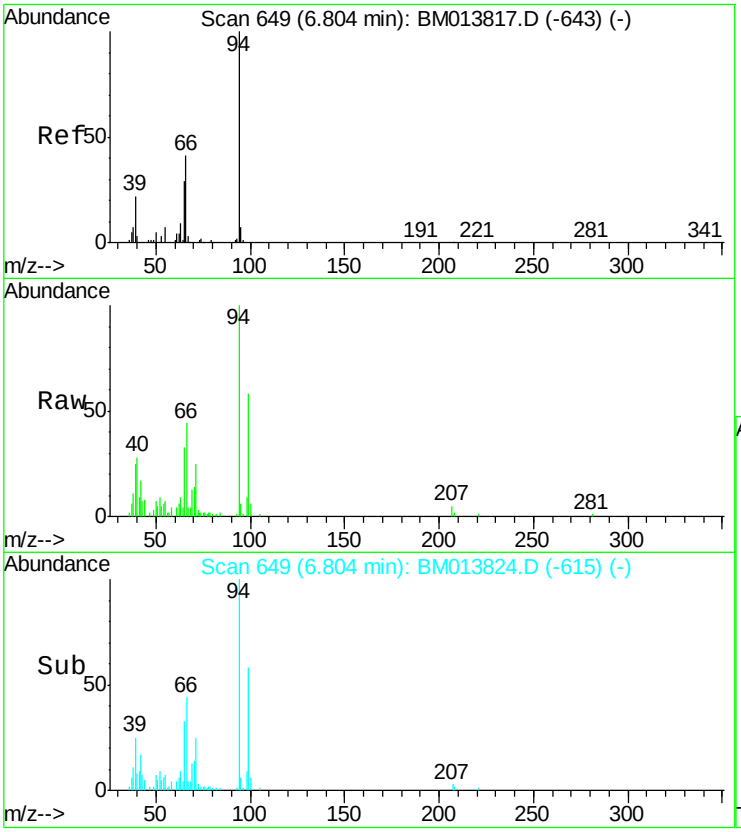


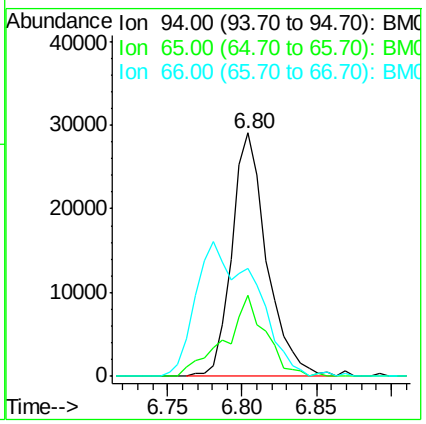


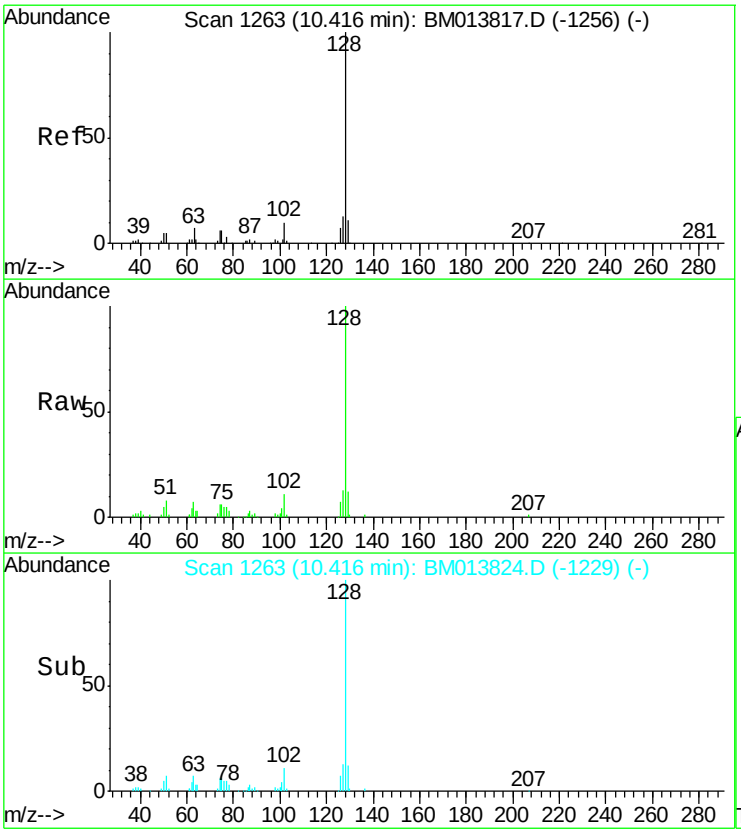

#6
Phenol
Concen: 4.003 ng/ul
RT: 6.80 min Scan# 649
Delta R.T. -0.00 min
Lab File: BM013824.D
Acq: 26 Jan 2018 02:09

**Instrument :**
BNA_M
**ClientSampleId :**
F6B23

Tgt Ion: 94 Resp: 47403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.1 | 28.2 | 42.4 |
| 66 | 44.4 | 47.2 | 70.8# |

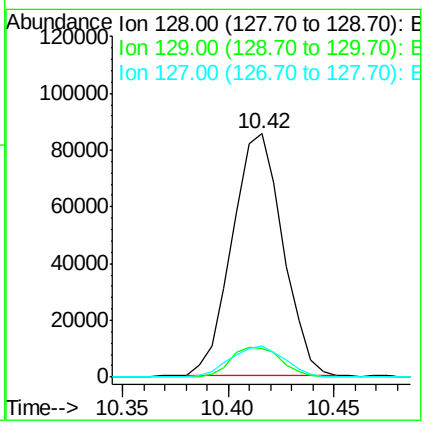


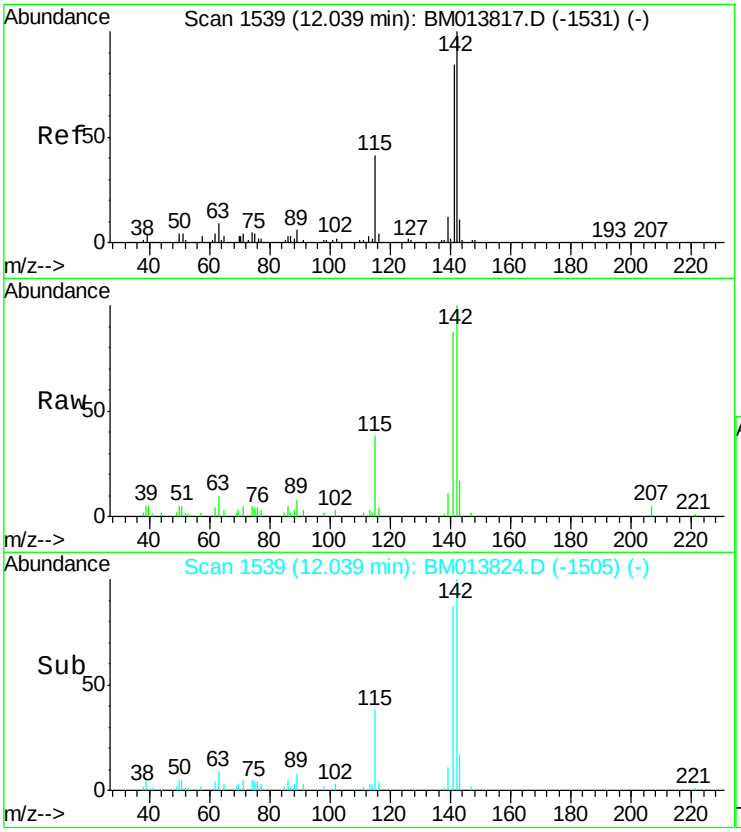




#28
Naphthalene
Concen: 4.944 ng/ul
RT: 10.42 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BM013824.D
Acq: 26 Jan 2018 02:09

Tgt Ion:128 Resp: 142188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 8.8 | 13.2 |
| 127 | 12.8 | 10.6 | 16.0 |



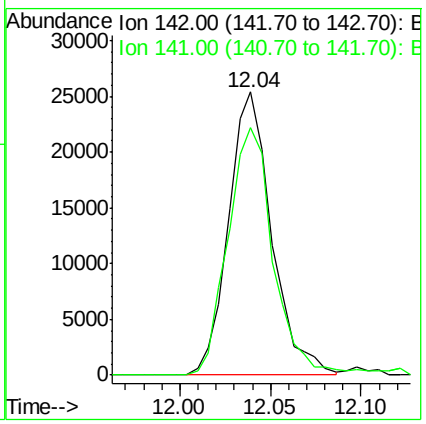


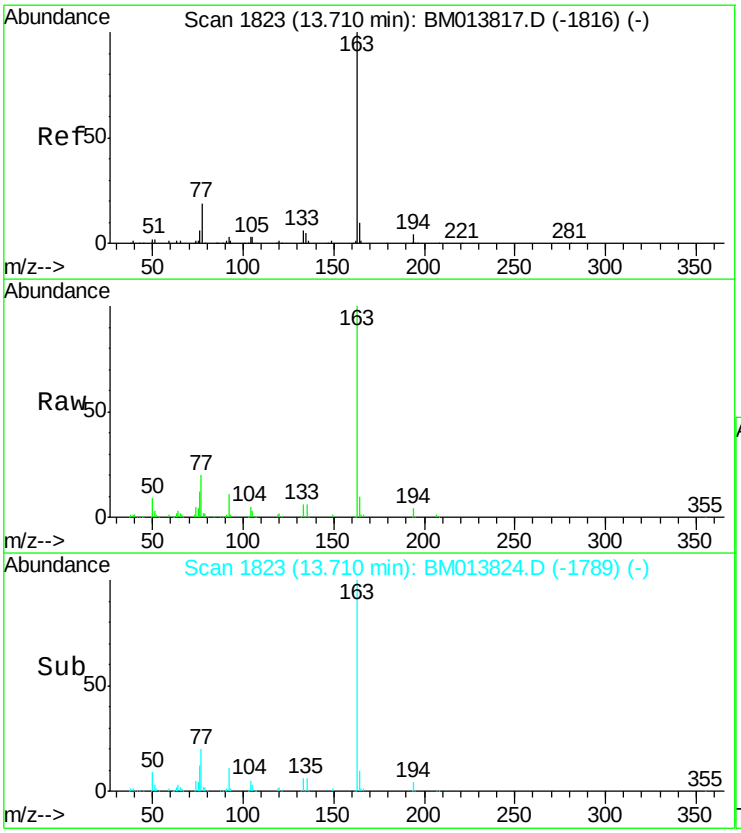

#34
2-Methylnaphthalene
Concen: 1.958 ng/ul
RT: 12.04 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BM013824.D
Acq: 26 Jan 2018 02:09

**Instrument :**
BNA_M
**ClientSampleId :**
F6B23

Tgt Ion:142 Resp: 41991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.2 | 74.1 | 111.1 |

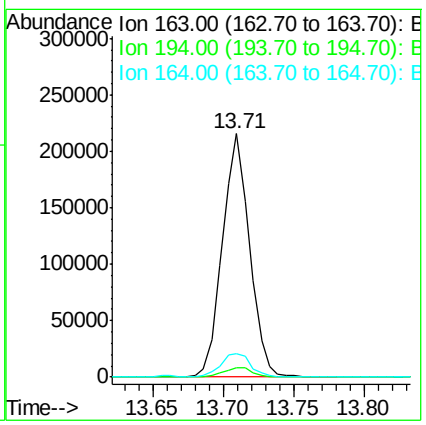


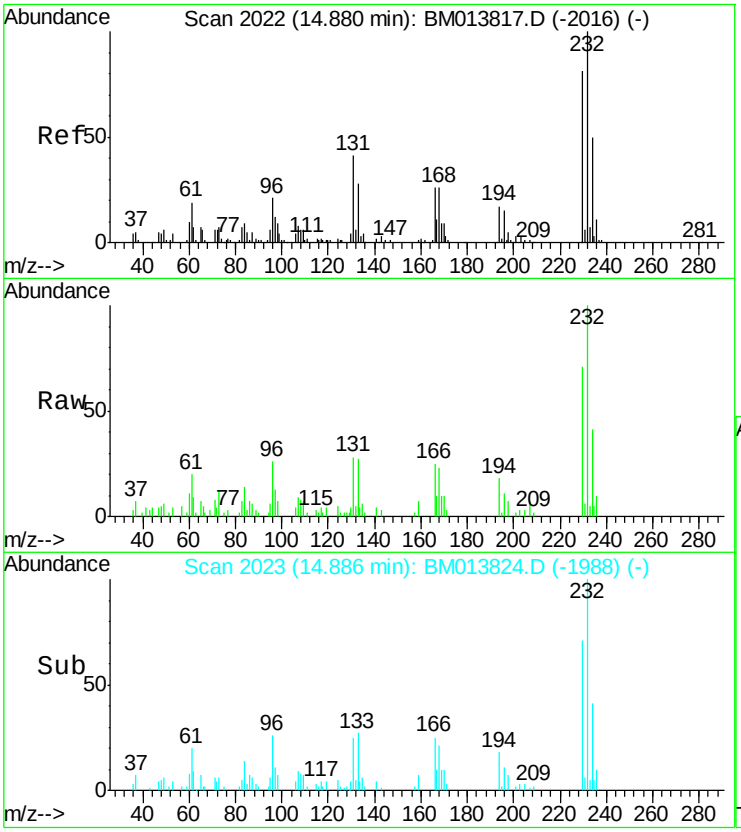




#44
Dimethylphthalate
Concen: 11.231 ng/ul
RT: 13.71 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BM013824.D
Acq: 26 Jan 2018 02:09

Tgt Ion:163 Resp: 288782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.5 | 5.3 |
| 164 | 9.8 | 8.2 | 12.4 |



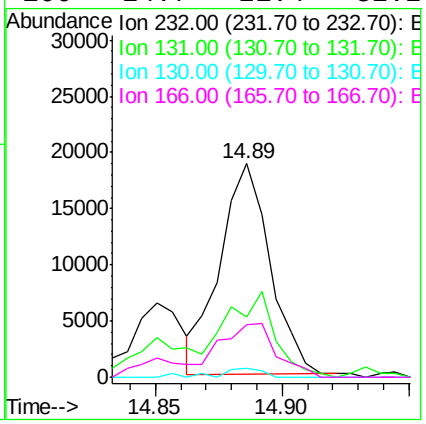


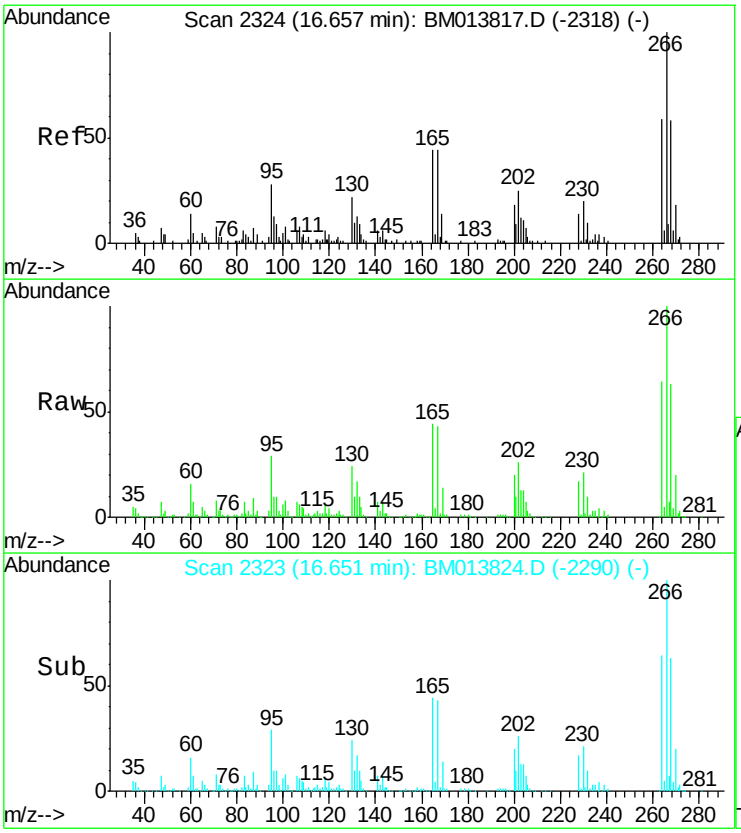

#55
2,3,4,6-Tetrachlorophenol
Concen: 3.876 ng/ul
RT: 14.89 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BM013824.D
Acq: 26 Jan 2018 02:09

**Instrument :**
BNA_M
**ClientSampleId :**
F6B23

Tgt Ion:232 Resp: 25818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 28.5 | 29.0 | 43.4# |
| 130 | 4.0 | 2.0 | 3.0# |
| 166 | 24.7 | 21.4 | 32.2 |

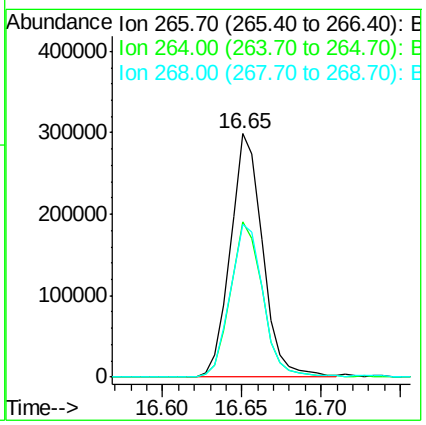


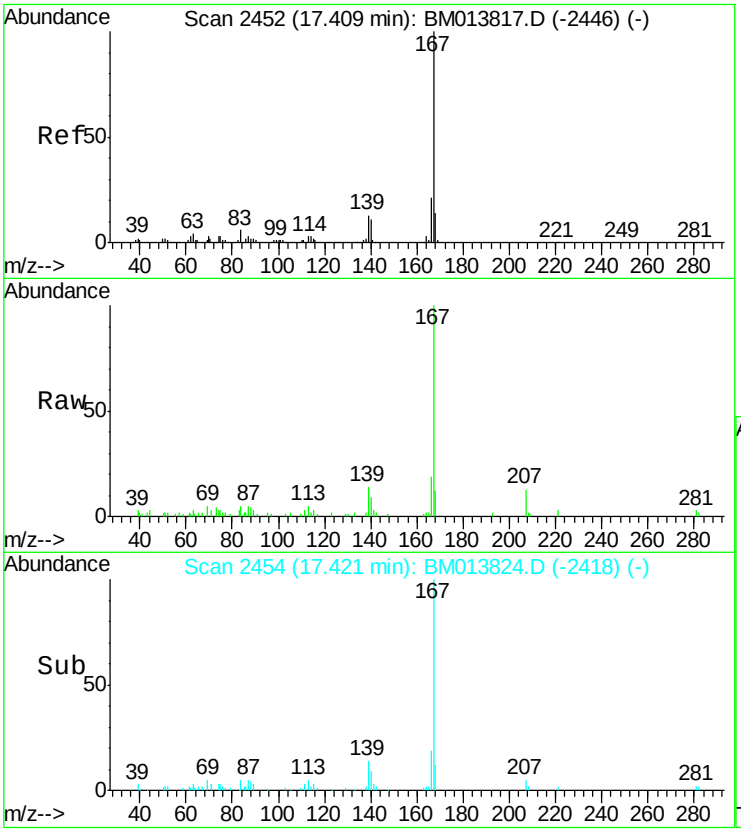




#68
Pentachlorophenol
Concen: 86.293 ng/ul
RT: 16.65 min Scan# 2323
Delta R.T. -0.01 min
Lab File: BM013824.D
Acq: 26 Jan 2018 02:09

Tgt Ion:266 Resp: 421232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.6 | 49.3 | 73.9 |
| 268 | 62.8 | 52.6 | 78.8 |






#72
Carbazole
Concen: 1.365 ng/ul
RT: 17.42 min Scan# 2454
Delta R.T. 0.01 min
Lab File: BM013824.D
Acq: 26 Jan 2018 02:09

**Instrument :**
BNA_M
**ClientSampleId :**
F6B23

Tgt Ion:167 Resp: 46688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 18.6 | 17.1 | 25.7 |
| 139 | 13.9 | 10.0 | 15.0 |