Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043014.D
Acq On : 25 Nov 2023 13:51
Operator : MA/JU
Sample : 05336-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCKB9MS

Quant Time: Nov 27 02:43:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.809 | 152 | 639 | 0.400 | ng/ul | #-0.07 |
| 4) Naphthalene-d8 | 10.607 | 136 | 2402 | 0.400 | ng/ul | #-0.04 |
| 9) Acenaphthene-d10 | 14.451 | 164 | 1508 | 0.400 | ng/ul | -0.02 |
| 13) Phenanthrene-d10 | 17.306 | 188 | 413118 | 0.400 | ng/ul | # 0.07 |
| 17) Chrysene-d12 | 0.000 | 240 | 0 | 0.000 | ng/ul | -21.42 |
| 23) Perylene-d12 | 0.000 | 264 | 0 | 0.000 | ng/ul | -23.78 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.160 | 96 | 4959 | 5.058 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.201 | 152 | 1555 | 0.484 | ng/ul | -0.05 |
| 18) Fluoranthene-d10 | 19.239 | 212 | 3716 | 0.000 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.198 | 88 | 28 | 0.027 | ng/ul# | 81 |
| 5) Naphthalene | 10.656 | 128 | 39475 | 6.047 | ng/ul# | 82 |
| 7) 2-Methylnaphthalene | 12.278 | 142 | 981 | 0.255 | ng/ul | 93 |
| 8) 1-Methylnaphthalene | 12.493 | 142 | 7613 | 1.773 | ng/ul | 99 |
| 10) Acenaphthylene | 14.178 | 152 | 6263 | 0.814 | ng/ul | 96 |
| 11) Acenaphthene | 14.516 | 153 | 312095 | 53.523 | ng/ul | 96 |
| 12) Fluorene | 15.506 | 166 | 91226 | 15.236 | ng/ul# | 99 |

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

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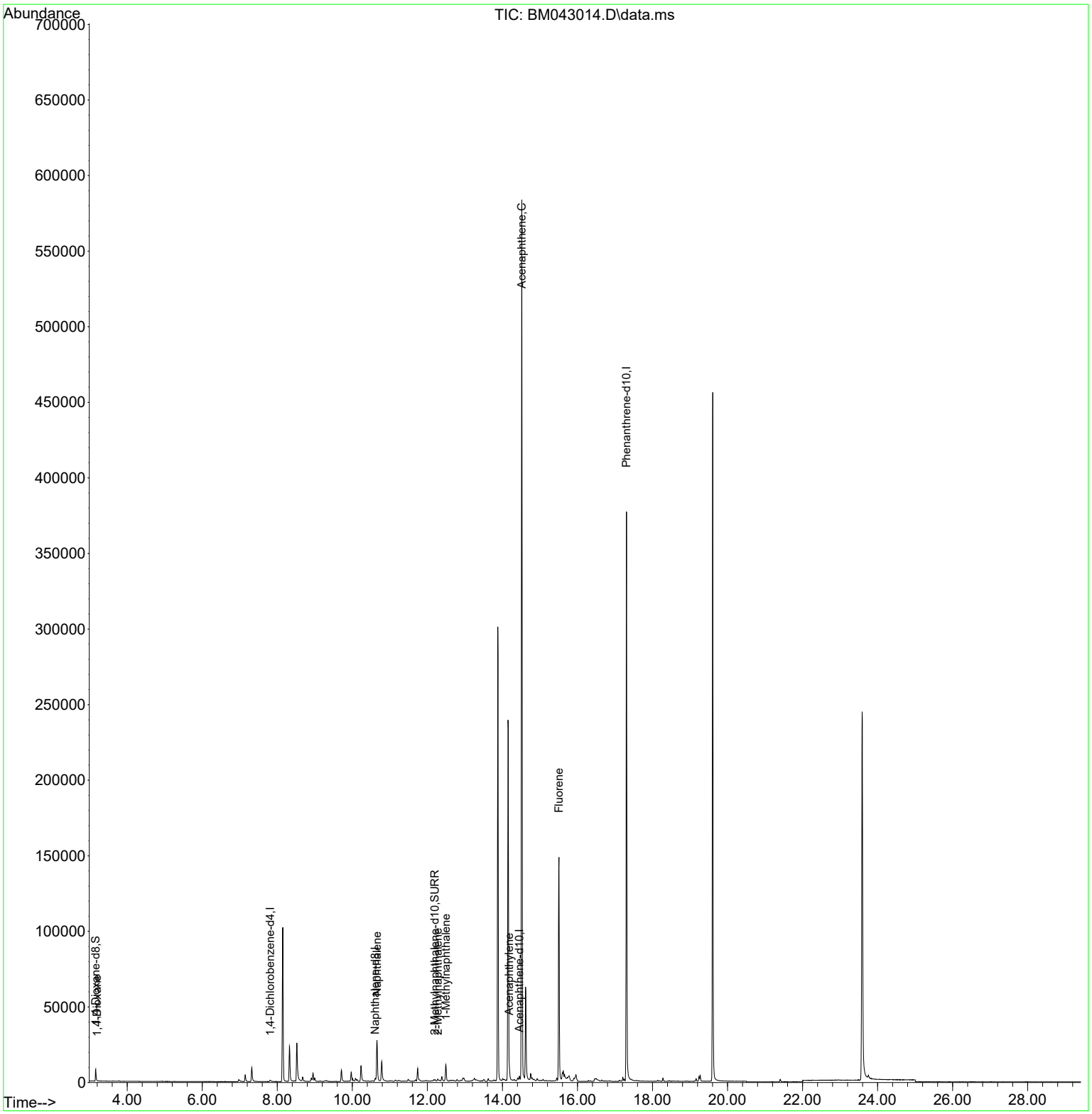
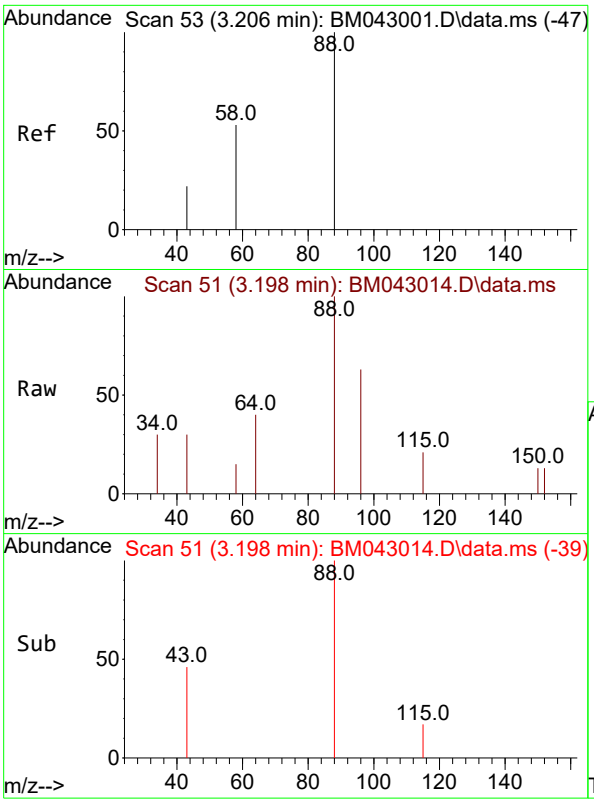


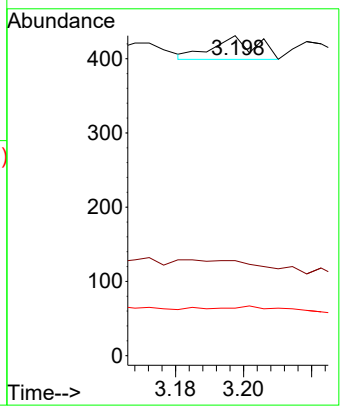


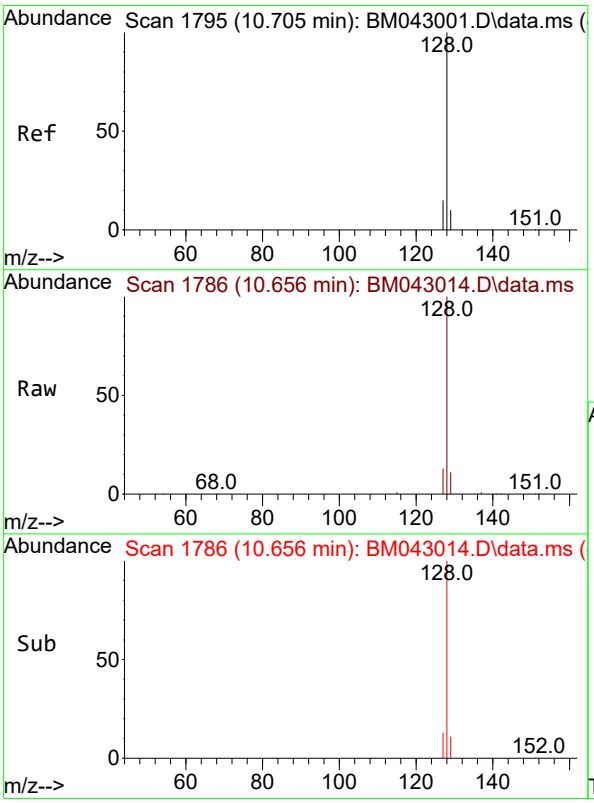

#2
1,4-Dioxane
Concen: 0.027 ng/ul
RT: 3.198 min Scan# 5
Delta R.T. -0.008 min
Lab File: BM043014.D
Acq: 25 Nov 2023 13:51

**Instrument :**
BNA_M
**ClientSampleId :**
DCKB9MS

Tgt Ion: 88 Resp: 28

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 29.7 | 22.8 | 34.2 |
| 58 | 14.8 | 26.8 | 40.2# |

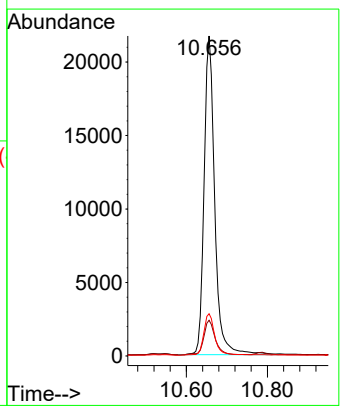


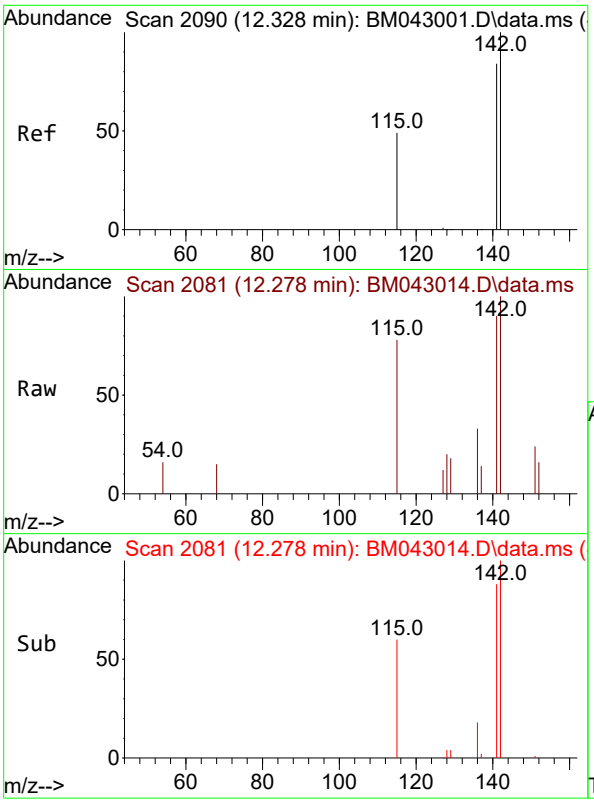




#5
Naphthalene
Concen: 6.047 ng/ul
RT: 10.656 min Scan# 1786
Delta R.T. -0.043 min
Lab File: BM043014.D
Acq: 25 Nov 2023 13:51

Tgt Ion:128 Resp: 39475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 16.0 | 24.0# |
| 127 | 13.2 | 16.5 | 24.7# |



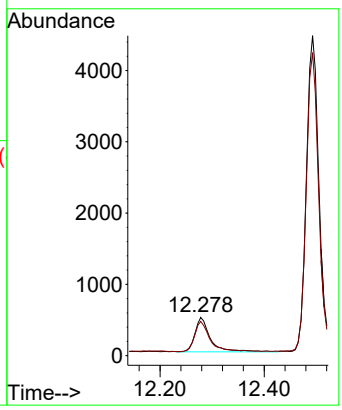


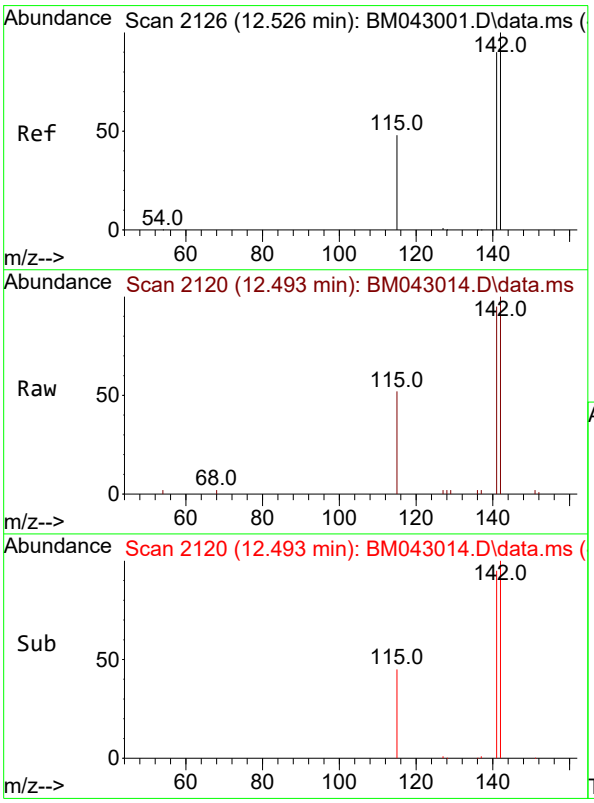

#7
2-Methylnaphthalene
Concen: 0.255 ng/ul
RT: 12.278 min Scan# 2
Delta R.T. -0.054 min
Lab File: BM043014.D
Acq: 25 Nov 2023 13:51

**Instrument :**
BNA_M
**ClientSampleId :**
DCKB9MS

Tgt Ion:142 Resp: 981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 76.1 | 114.1 |

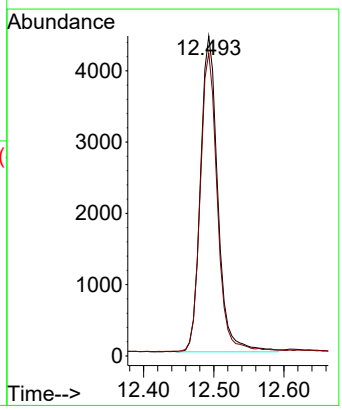


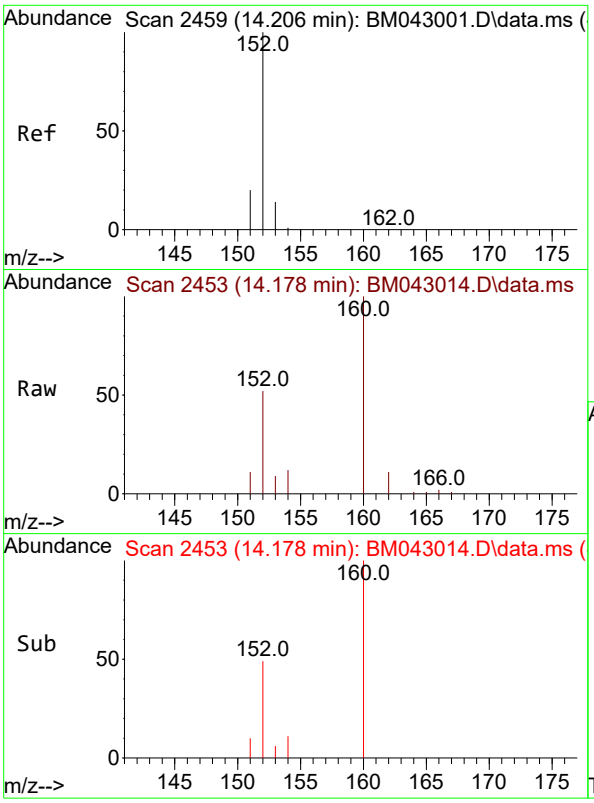




#8
1-Methylnaphthalene
Concen: 1.773 ng/ul
RT: 12.493 min Scan# 2120
Delta R.T. -0.026 min
Lab File: BM043014.D
Acq: 25 Nov 2023 13:51

Tgt Ion:142 Resp: 7613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.5 | 73.8 | 110.8 |



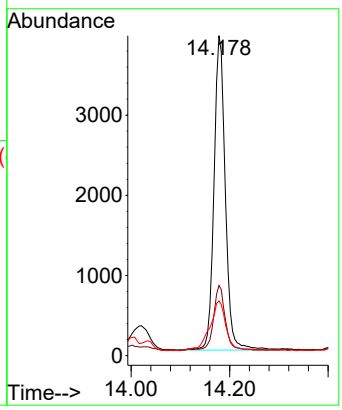


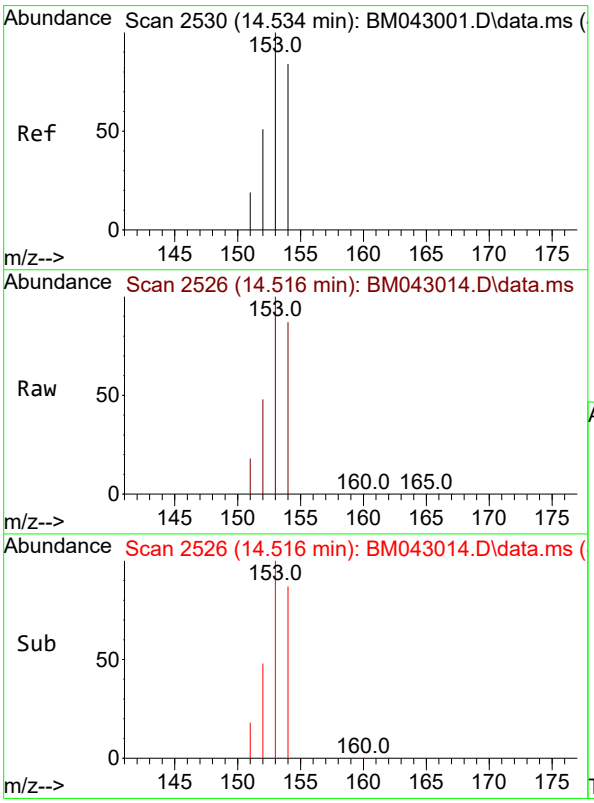

#10
Acenaphthylene
Concen: 0.814 ng/ul
RT: 14.178 min Scan# 24
Delta R.T. -0.026 min
Lab File: BM043014.D
Acq: 25 Nov 2023 13:51

**Instrument :**
BNA_M
**ClientSampleId :**
DCKB9MS

Tgt Ion:152 Resp: 6263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 22.0 | 19.4 | 29.0 |
| 153 | 17.1 | 14.6 | 21.8 |

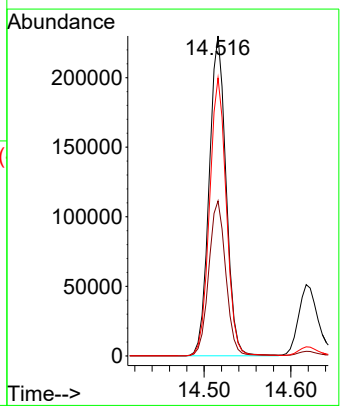


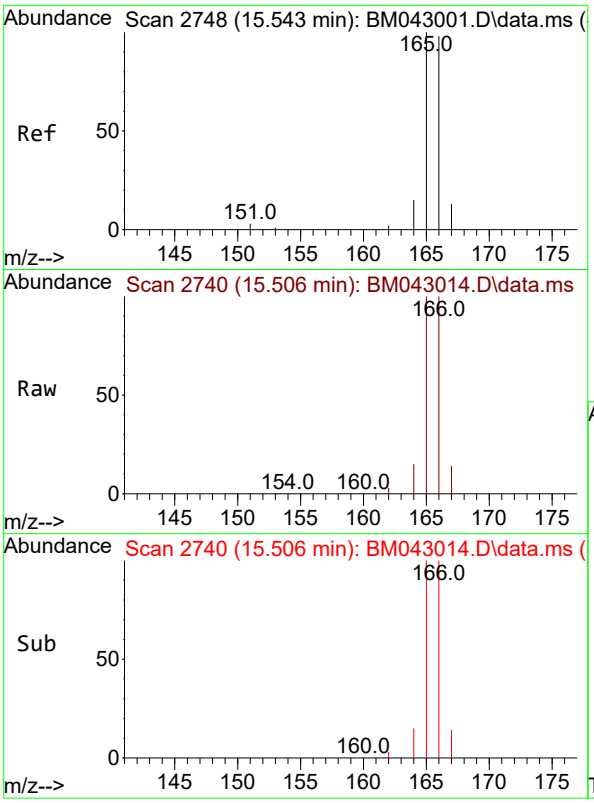




#11
Acenaphthene
Concen: 53.523 ng/ul
RT: 14.516 min Scan# 2526
Delta R.T. -0.017 min
Lab File: BM043014.D
Acq: 25 Nov 2023 13:51

Tgt Ion:153 Resp: 312095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.4 | 43.9 | 65.9 |
| 154 | 86.9 | 70.6 | 105.8 |






#12
Fluorene
Concen: 15.236 ng/ul
RT: 15.506 min Scan# 2
Delta R.T. -0.031 min
Lab File: BM043014.D
Acq: 25 Nov 2023 13:51

**Instrument :**
BNA_M
**ClientSampleId :**
DCKB9MS

Tgt Ion:166 Resp: 91226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.2 | 79.9 | 119.9 |
| 167 | 14.1 | 14.2 | 21.4# |