Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009894.D
Acq On : 25 Feb 2020 10:52
Operator : CG/JU
Sample : L1582-05DL2 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDJ7DL2

Quant Time: Feb 25 13:55:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 25 07:22:29 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.39 | 152 | 94893 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.13 | 136 | 400049 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.03 | 164 | 249697 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.79 | 188 | 540353 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.00 | 240 | 526915 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.10 | 264 | 529500 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.00 | 96 | 0 | 0.00 | ng/uL | |
| 5) Phenol-d5 | 6.62 | 99 | 112 | 0.01 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.76 | 67 | 5163 | 0.93 | ng/ul | 0.02 |
| 9) 2-Chlorophenol-d4 | 6.95 | 132 | 4139 | 0.68 | ng/ul | 0.02 |
| 13) 4-Methylphenol-d8 | 8.13 | 113 | 2035 | 0.32 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5 | 8.55 | 128 | 2210 | 0.76 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4 | 9.26 | 143 | 2042 | 0.64 | ng/ul | 0.02 |
| 26) 2,4-Dichlorophenol-d3 | 9.81 | 165 | 4069 | 0.66 | ng/ul | 0.03 |
| 29) 4-Chloroaniline-d4 | 10.30 | 131 | 1884 | 0.27 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6 | 13.46 | 166 | 19891 | 1.07 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.72 | 160 | 21405 | 0.97 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 58) Fluorene-d10 | 15.03 | 176 | 18311 | 1.14 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 334 | 0.10 | ng/ul | 0.04 |
| 71) Anthracene-d10 | 16.89 | 188 | 29857 | 1.21 | ng/ul | 0.01 |
| 79) Pyrene-d10 | 19.19 | 212 | 30997 | 1.13 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 22.97 | 264 | 29246 | 1.11 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.19 | 128 | 9554450 | 442.893 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 11.80 | 142 | 629399 | 42.017 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 12.85 | 154 | 105060 | 5.478 | ng/ul | 100 |
| 50) Acenaphthene | 14.09 | 153 | 359783 | 22.075 | ng/ul | 97 |
| 54) Dibenzofuran | 14.43 | 168 | 293174 | 12.816 | ng/ul | 96 |
| 59) Fluorene | 15.09 | 166 | 166848 | 8.691 | ng/ul | 99 |
| 70) Phenanthrene | 16.83 | 178 | 207524 | 6.729 | ng/ul | 99 |
| 75) Carbazole | 17.20 | 167 | 353025 | 12.716 | ng/ul | 98 |

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

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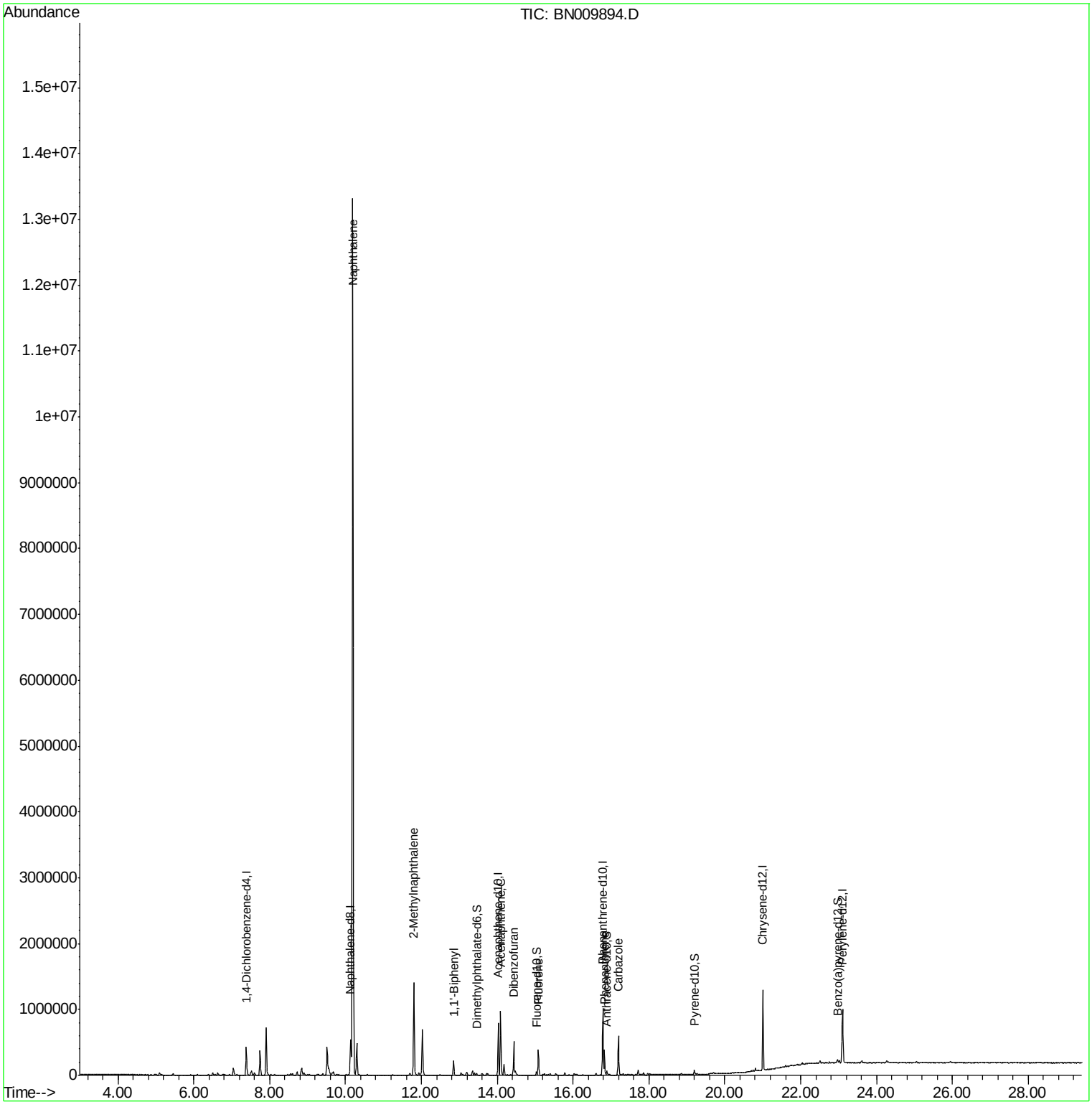
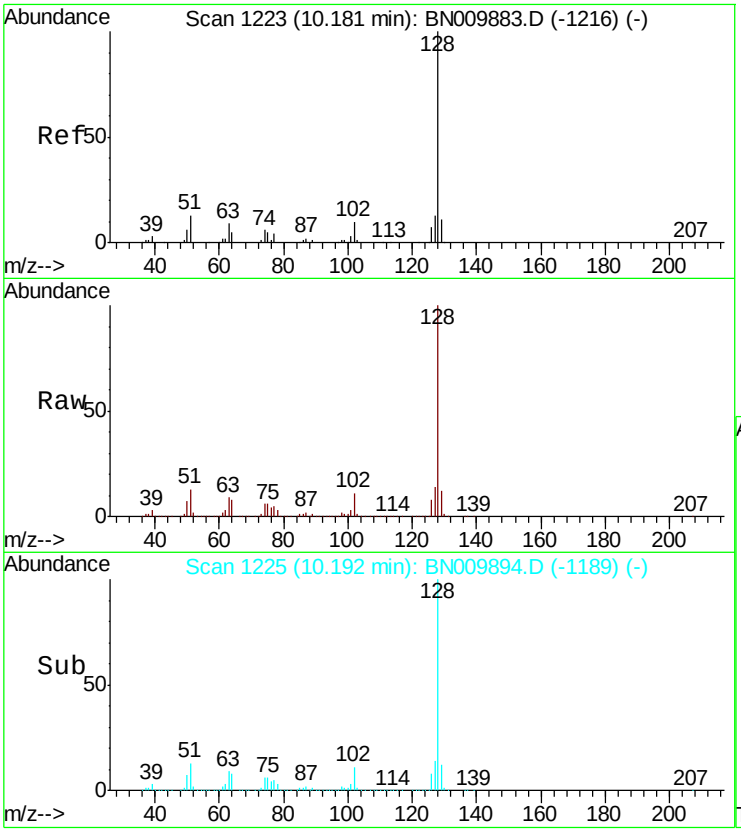
Acq On : 25 Feb 2020 10:52
Operator : CG/JU
Sample : L1582-05DL2 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DBDJ7DL2

Quant Time: Feb 25 13:55:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 25 07:22:29 2020
Response via : Initial Calibration



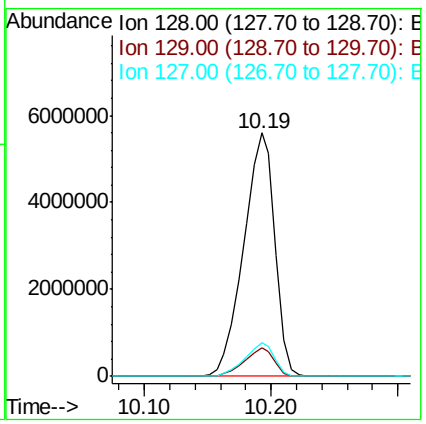


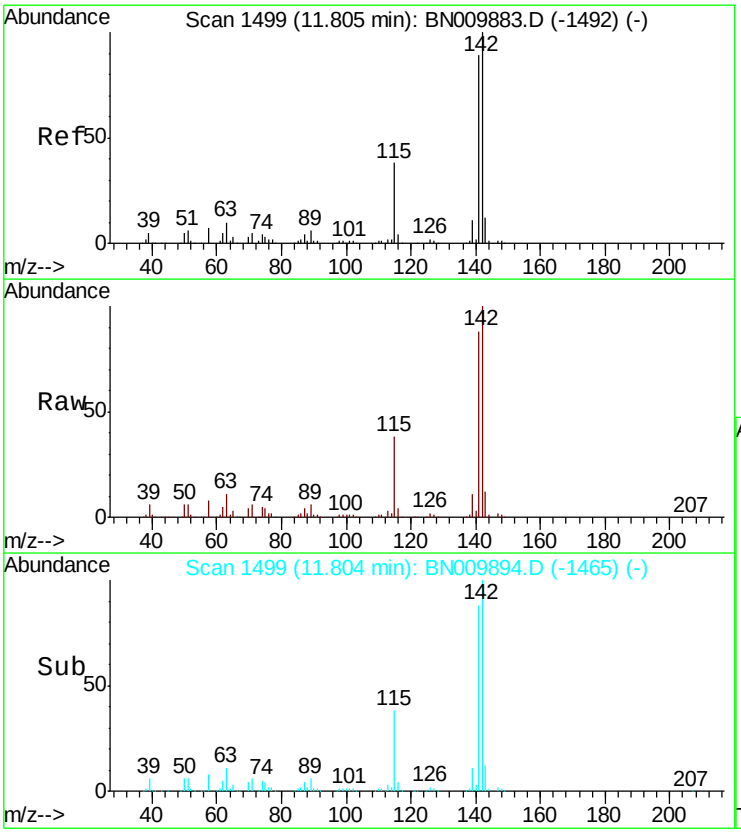

#28
Naphthalene
Concen: 442.893 ng/ul
RT: 10.19 min Scan# 1225
Delta R.T. 0.01 min
Lab File: BN009894.D
Acq: 25 Feb 2020 10:52

**Instrument :**
BNA_N
**ClientSampleId :**
DBDJ7DL2

Tgt Ion:128 Resp: 9554450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 8.6 | 13.0 |
| 127 | 13.9 | 10.3 | 15.5 |

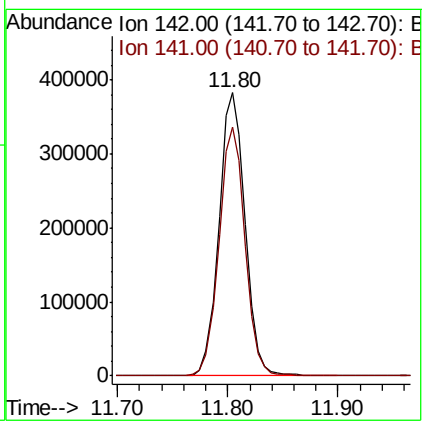


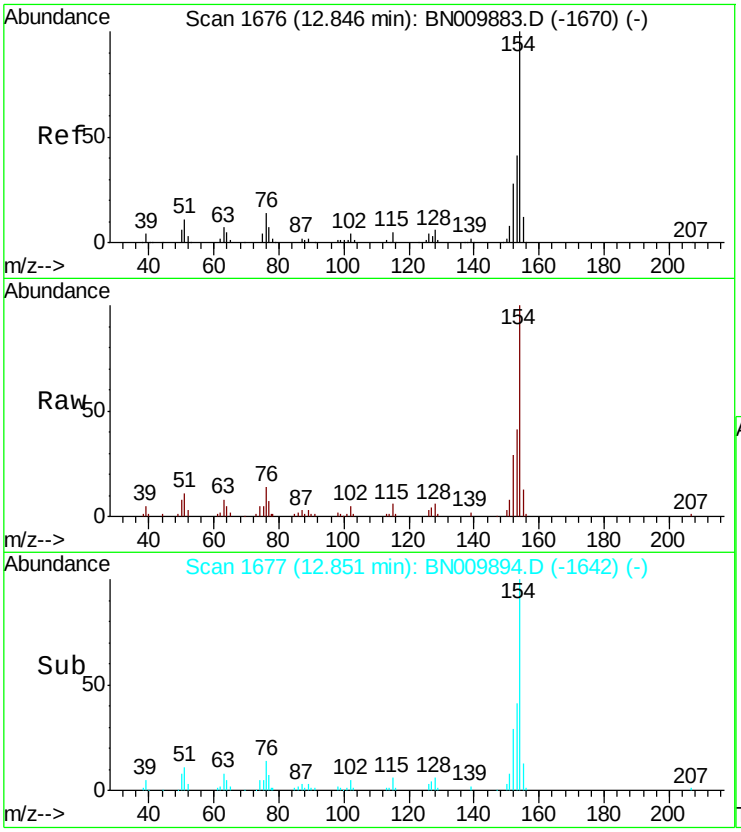




#34
2-Methylnaphthalene
Concen: 42.017 ng/ul
RT: 11.80 min Scan# 1499
Delta R.T. -0.00 min
Lab File: BN009894.D
Acq: 25 Feb 2020 10:52

Tgt Ion:142 Resp: 629399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.8 | 72.1 | 108.1 |



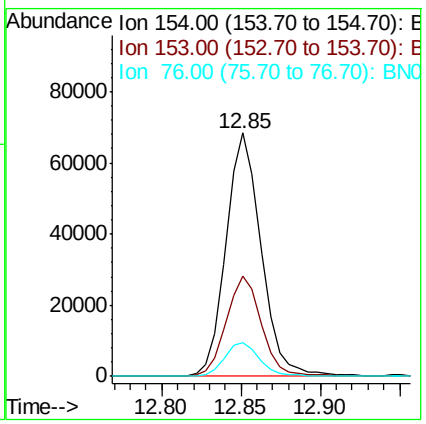


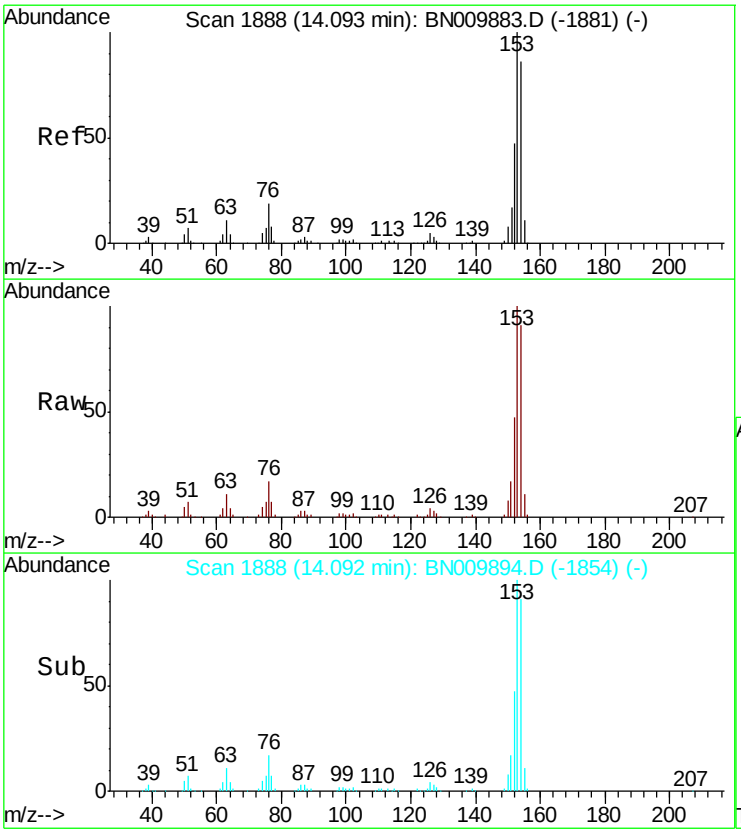

#41
1,1'-Biphenyl
Concen: 5.478 ng/ul
RT: 12.85 min Scan# 1677
Delta R.T. 0.01 min
Lab File: BN009894.D
Acq: 25 Feb 2020 10:52

**Instrument :**
BNA_N
**ClientSampleId :**
DBDJ7DL2

Tgt Ion:154 Resp: 105060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 33.2 | 49.8 |
| 76 | 13.8 | 11.0 | 16.4 |

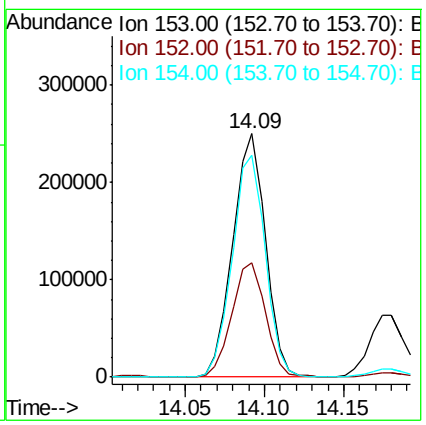


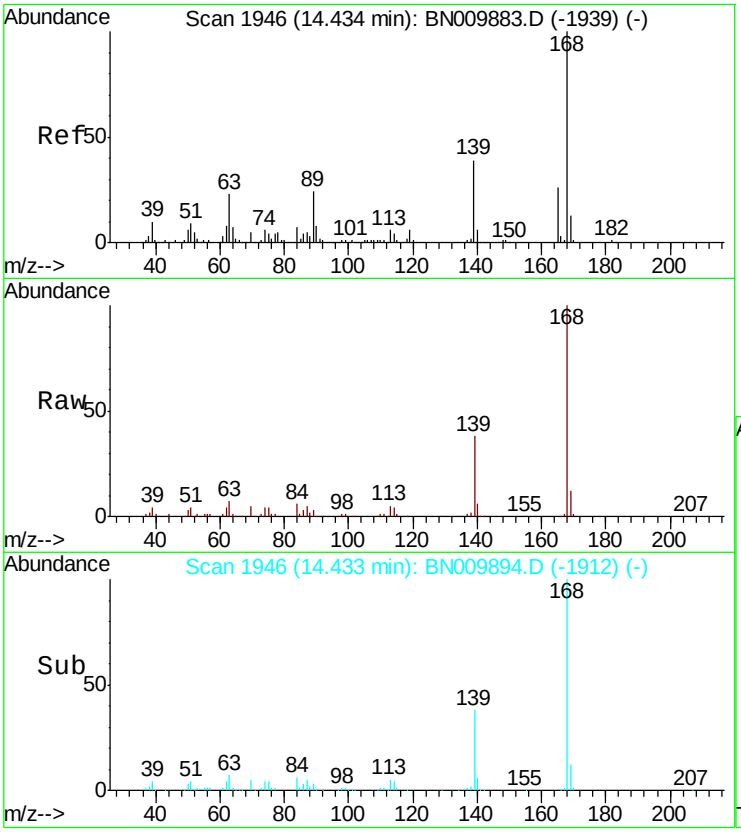




#50
Acenaphthene
Concen: 22.075 ng/ul
RT: 14.09 min Scan# 1888
Delta R.T. -0.00 min
Lab File: BN009894.D
Acq: 25 Feb 2020 10:52

Tgt Ion:153 Resp: 359783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.2 | 36.6 | 54.8 |
| 154 | 91.2 | 70.6 | 106.0 |



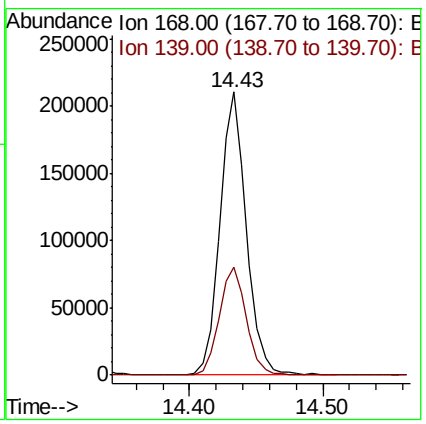


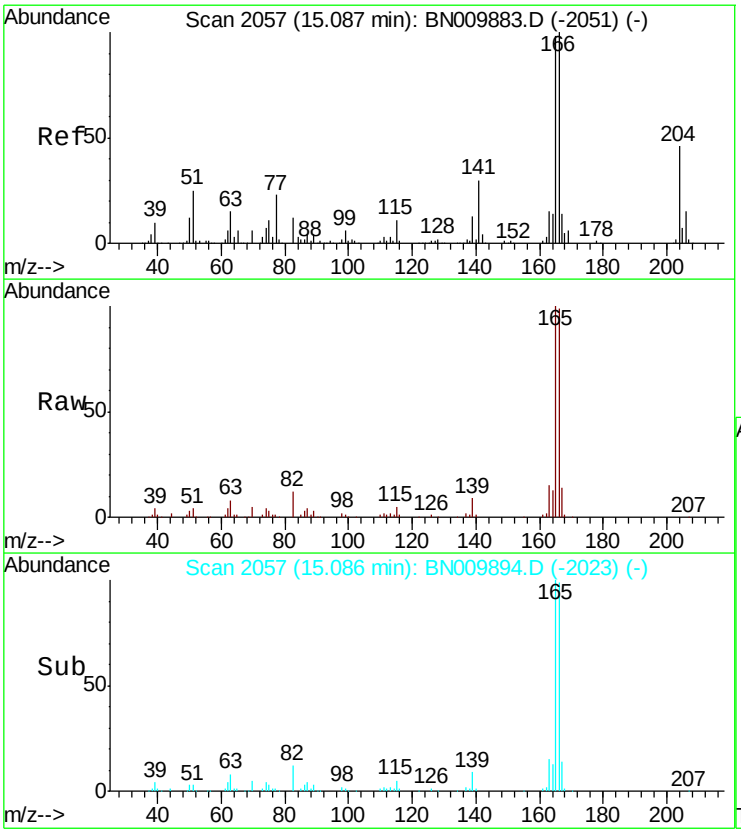

#54
Dibenzofuran
Concen: 12.816 ng/ul
RT: 14.43 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BN009894.D
Acq: 25 Feb 2020 10:52

**Instrument :**
BNA_N
**ClientSampleId :**
DBDJ7DL2

Tgt Ion:168 Resp: 293174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.1 | 32.7 | 49.1 |

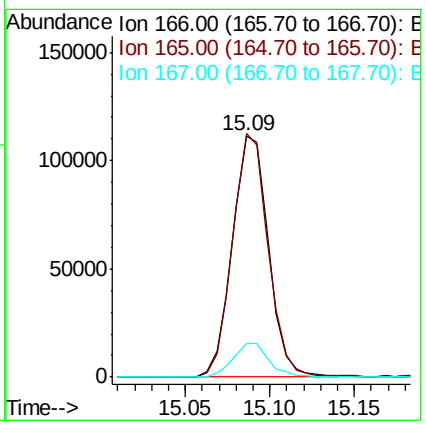


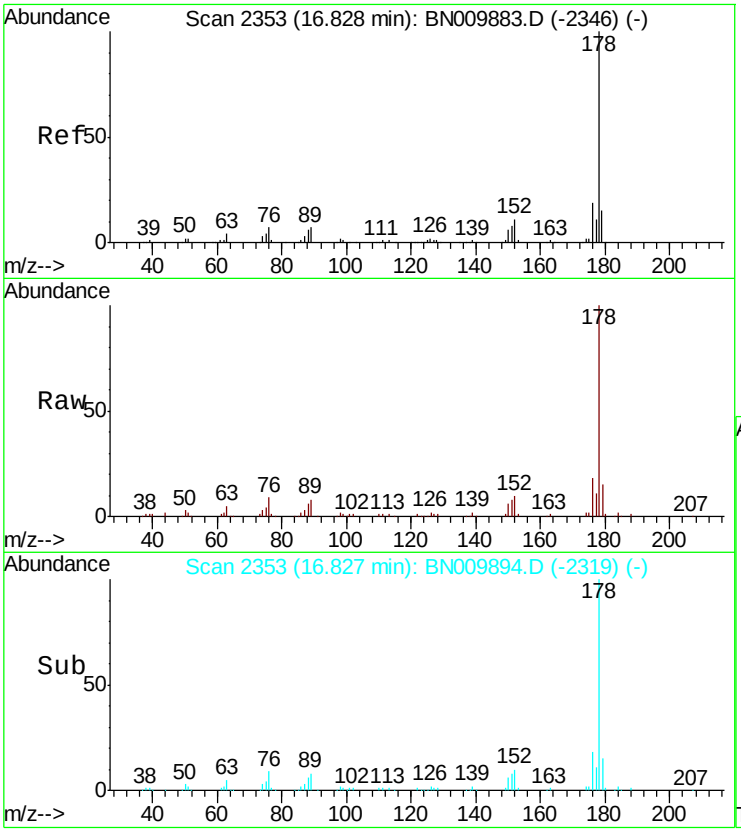




#59
Fluorene
Concen: 8.691 ng/ul
RT: 15.09 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BN009894.D
Acq: 25 Feb 2020 10:52

Tgt Ion:166 Resp: 166848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.0 | 79.8 | 119.8 |
| 167 | 14.1 | 10.7 | 16.1 |



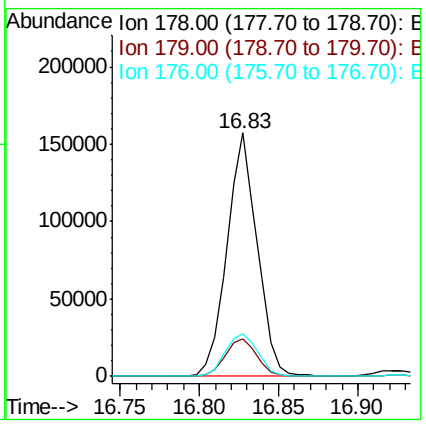


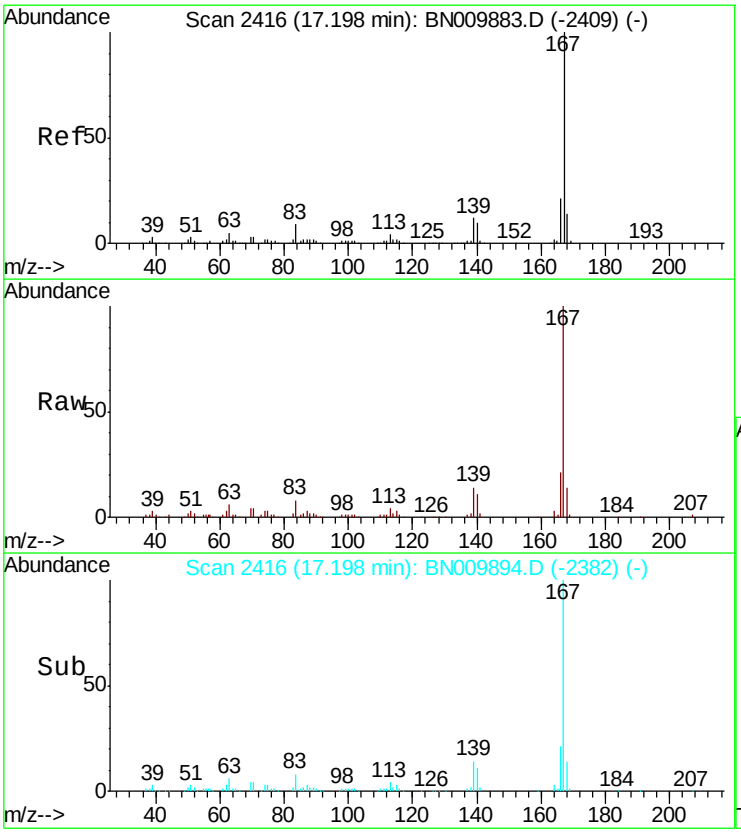

#70
Phenanthrene
Concen: 6.729 ng/ul
RT: 16.83 min Scan# 2353
Delta R.T. -0.00 min
Lab File: BN009894.D
Acq: 25 Feb 2020 10:52

**Instrument :**
BNA_N
**ClientSampleId :**
DBDJ7DL2

Tgt Ion:178 Resp: 207524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 12.5 | 18.7 |
| 176 | 17.8 | 14.6 | 22.0 |




#75
Carbazole
Concen: 12.716 ng/ul
RT: 17.20 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BN009894.D
Acq: 25 Feb 2020 10:52

Tgt Ion:167 Resp: 353025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 16.6 | 24.8 |
| 139 | 14.2 | 9.9 | 14.9 |