Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM083115\
Data File : BM002626.D
Acq On : 01 Sep 2015 13:39
Operator : UM/IZ
Sample : G3456-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** D9E95

Quant Time: Sep 01 14:22:28 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 01 07:11:38 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.78 | 152 | 119926 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.65 | 136 | 534890 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 15.37 | 164 | 266820 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 18.08 | 188 | 490457 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 22.16 | 240 | 370529 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 24.79 | 264 | 375564 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 15.07 | 160 | 679325 | 24.90 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 16.34 | 176 | 413647 | 21.59 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 18.17 | 188 | 558540 | 23.61 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 20.40 | 212 | 384195 | 23.39 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.62 | 264 | 327108 | 16.58 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 13) Phenanthrene | 18.12 | 178 | 41687 | 1.47 | ng/ul | 98 |
| 15) Anthracene | 18.12 | 178 | 41687 | 1.45 | ng/ul | 100 |
| 16) Fluoranthene | 20.07 | 202 | 68372 | 2.13 | ng/ul | 98 |
| 19) Pyrene | 20.43 | 202 | 58516 | 2.70 | ng/ul | 99 |
| 20) Benzo(a)anthracene | 22.14 | 228 | 35969 | 1.62 | ng/ul | 97 |
| 21) Chrysene | 22.14 | 228 | 35799 | 1.73 | ng/ul | 94 |
| 23) Benzo(b)fluoranthene | 23.98 | 252 | 63561 | 2.80 | ng/ul# | 89 |
| 26) Benzo(a)pyrene | 24.67 | 252 | 43332 | 2.00 | ng/ul# | 89 |
| 27) Indeno(1,2,3-cd)pyrene | 27.56 | 276 | 33828 | 1.36 | ng/ul | 97 |
| 29) Benzo(g,h,i)perylene | 28.43 | 276 | 35574 | 1.71 | ng/ul# | 89 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM083115\
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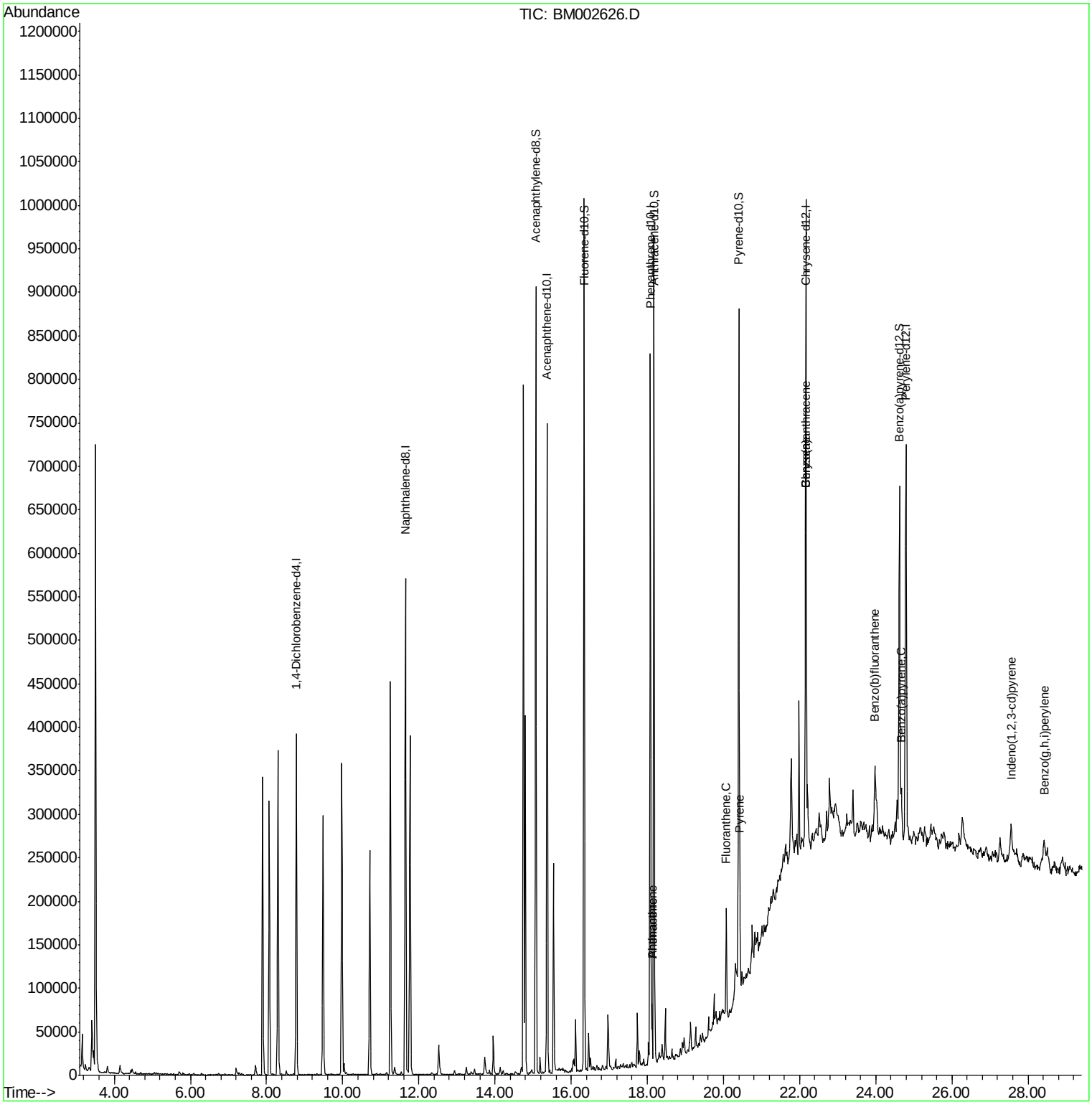
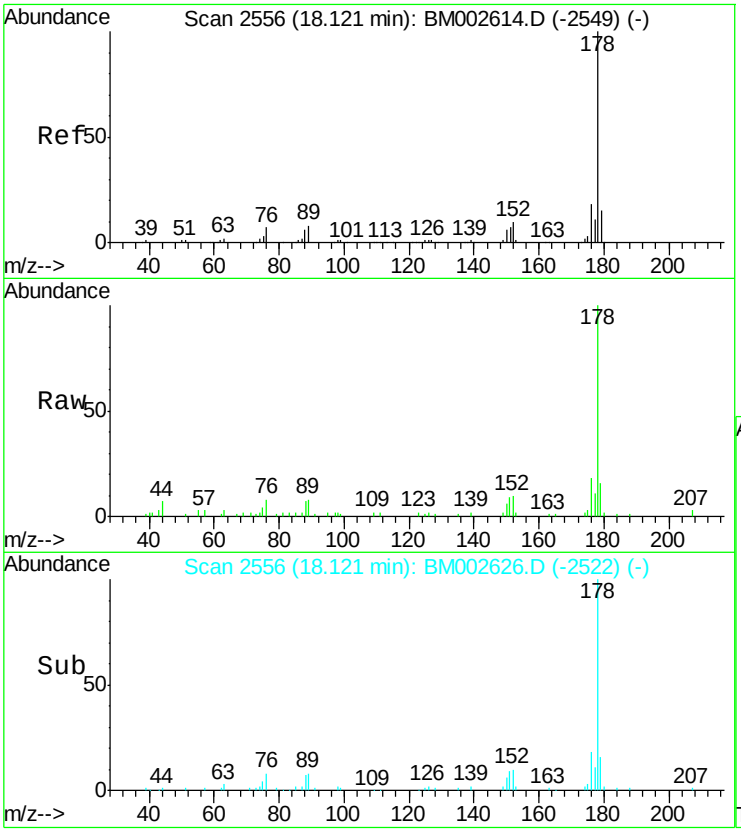
Acq On : 01 Sep 2015 13:39
Operator : UM/IZ
Sample : G3456-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
D9E95

Quant Time: Sep 01 14:22:28 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 01 07:11:38 2015
Response via : Initial Calibration



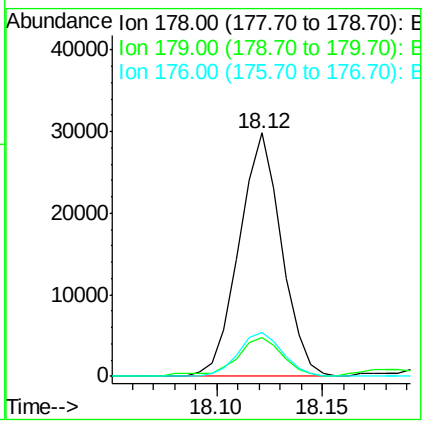


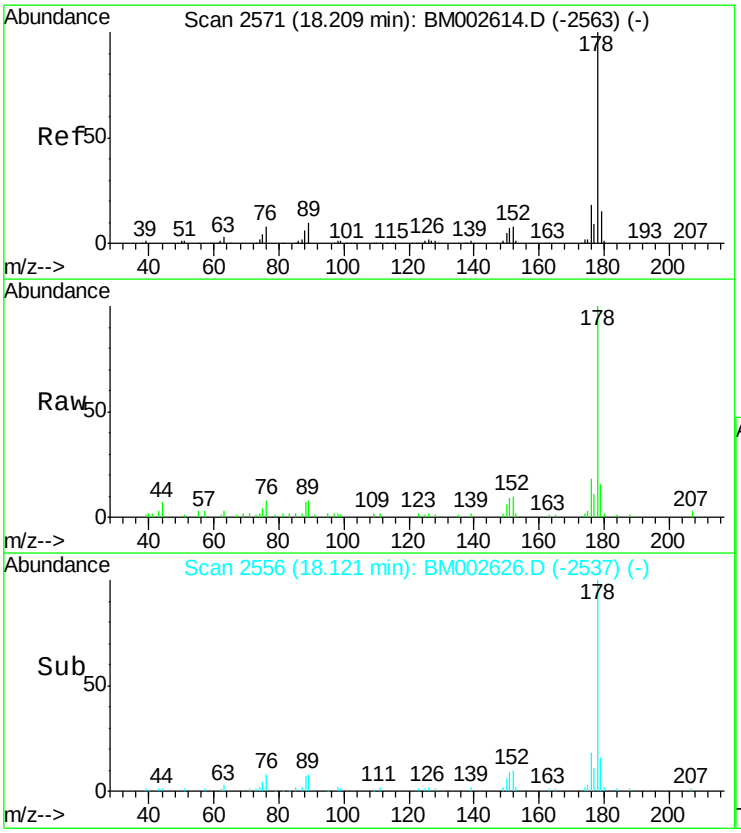

#13
Phenanthrene
Concen: 1.47 ng/ul
RT: 18.12 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

**Instrument :**
BNA_M
**ClientSampleId :**
D9E95

Tgt Ion:178 Resp: 41687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.0 | 12.4 | 18.6 |
| 176 | 18.1 | 15.1 | 22.7 |

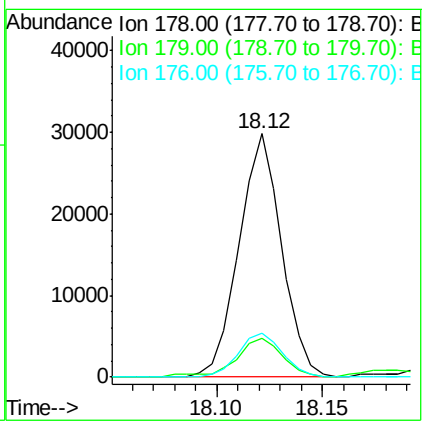


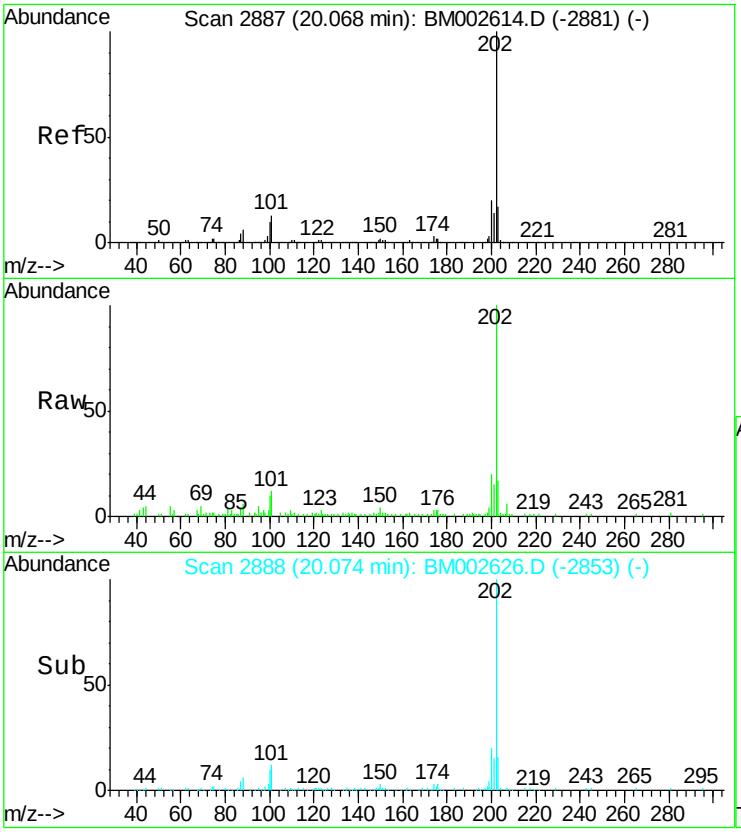




#15
Anthracene
Concen: 1.45 ng/ul
RT: 18.12 min Scan# 2556
Delta R.T. -0.09 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

Tgt Ion:178 Resp: 41687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.0 | 12.6 | 18.8 |
| 176 | 18.1 | 14.5 | 21.7 |



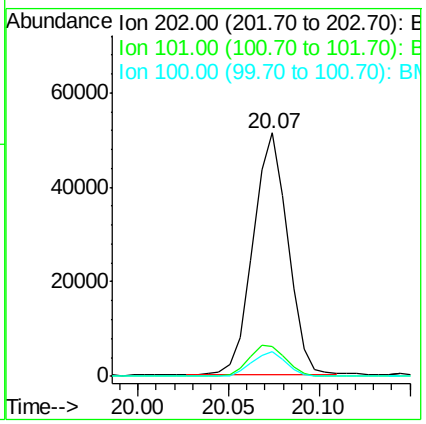


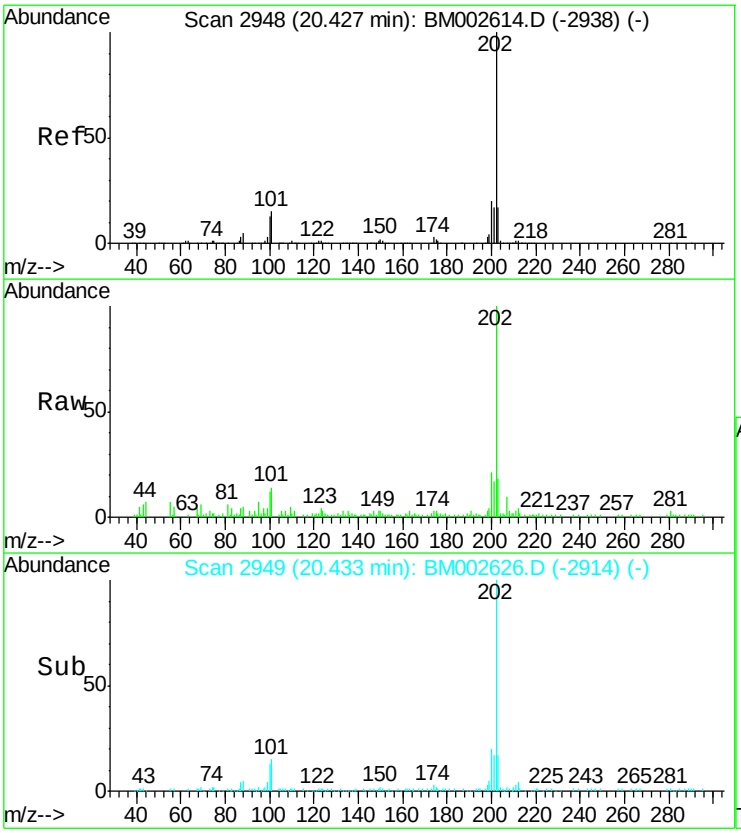

#16
Fluoranthene
Concen: 2.13 ng/ul
RT: 20.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

**Instrument :**
BNA_M
**ClientSampleId :**
D9E95

Tgt Ion:202 Resp: 68372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 9.7 | 14.5 |
| 100 | 10.3 | 7.4 | 11.2 |

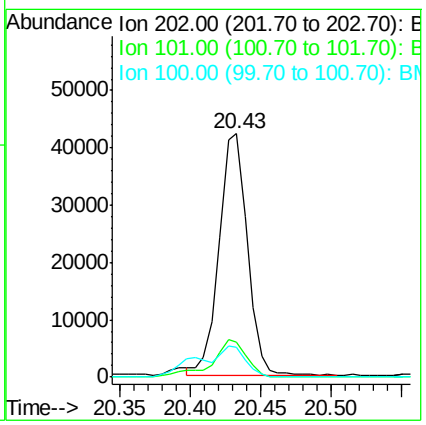


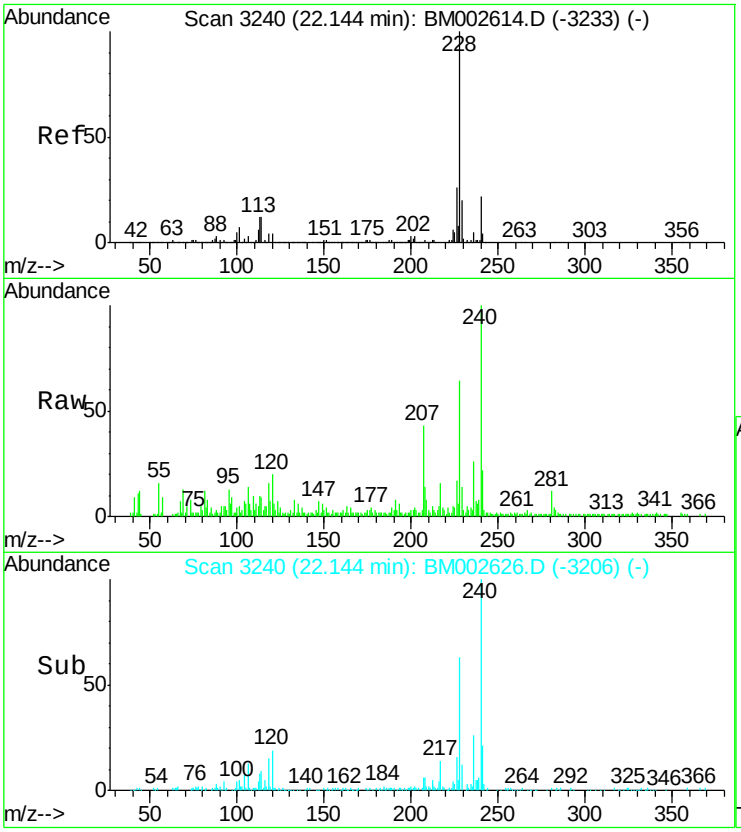




#19
Pyrene
Concen: 2.70 ng/ul
RT: 20.43 min Scan# 2949
Delta R.T. 0.01 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

Tgt Ion:202 Resp: 58516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.3 | 12.0 | 18.0 |
| 100 | 12.4 | 9.7 | 14.5 |



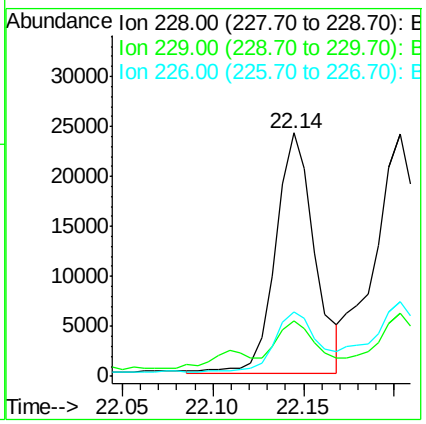


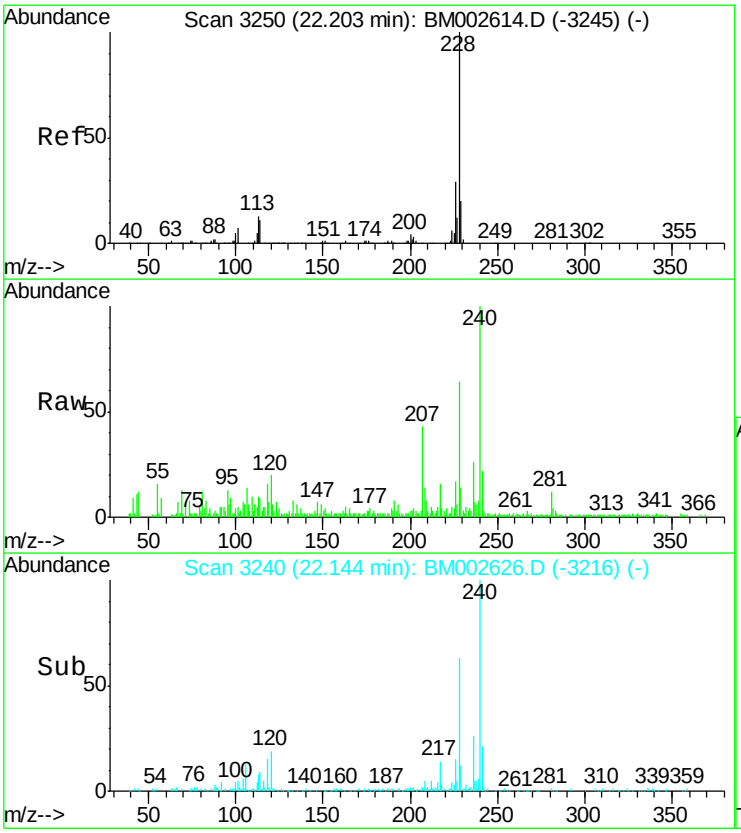

#20
Benzo(a)anthracene
Concen: 1.62 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. 0.00 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

**Instrument :**
BNA_M
**ClientSampleId :**
D9E95

Tgt Ion:228 Resp: 35969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.8 | 15.8 | 23.6 |
| 226 | 26.4 | 21.1 | 31.7 |

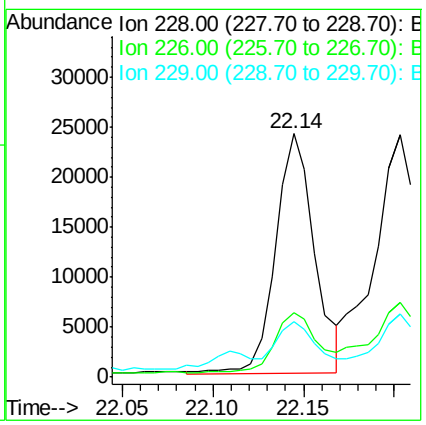


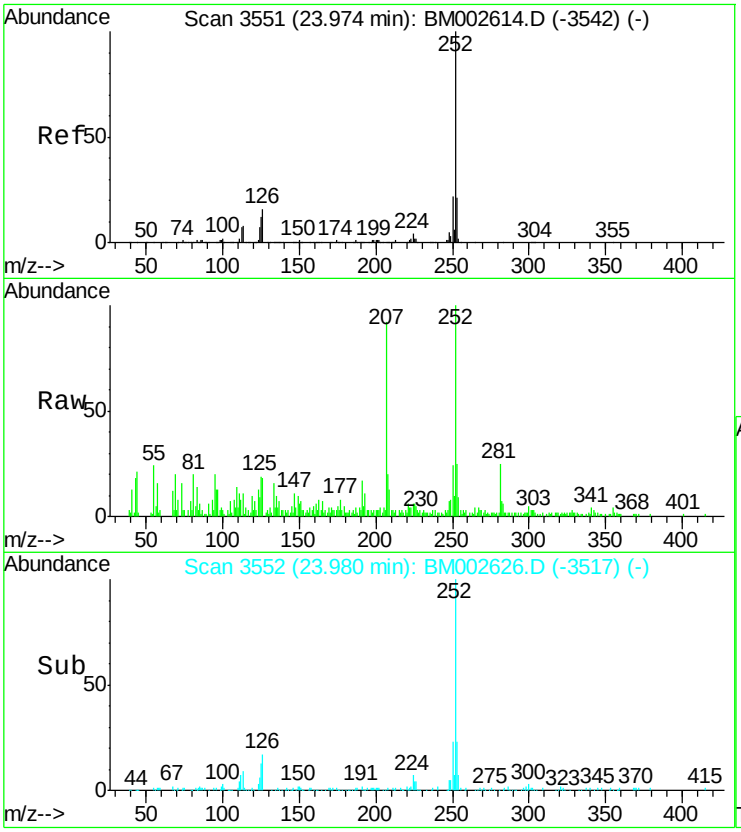




#21
Chrysene
Concen: 1.73 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. -0.06 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

Tgt Ion:228 Resp: 35799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.4 | 23.4 | 35.2 |
| 229 | 22.8 | 15.7 | 23.5 |



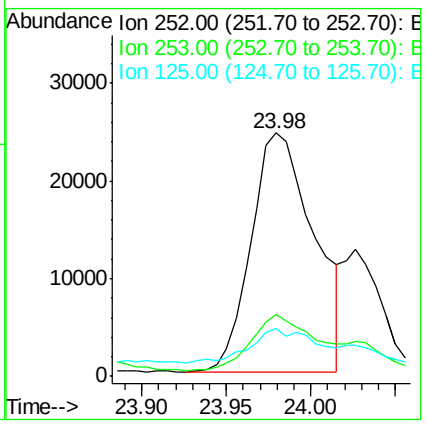


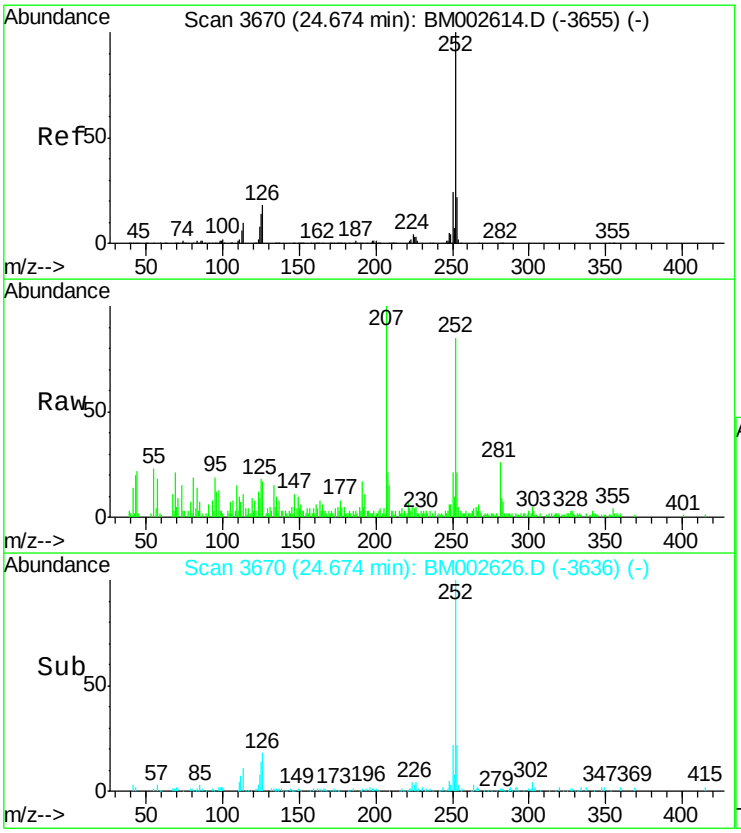

#23
Benzo(b)fluoranthene
Concen: 2.80 ng/ul
RT: 23.98 min Scan# 3552
Delta R.T. 0.01 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

**Instrument :**
BNA_M
**ClientSampleId :**
D9E95

Tgt Ion:252 Resp: 63561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.4 | 17.4 | 26.0 |
| 125 | 19.4 | 10.0 | 15.0# |

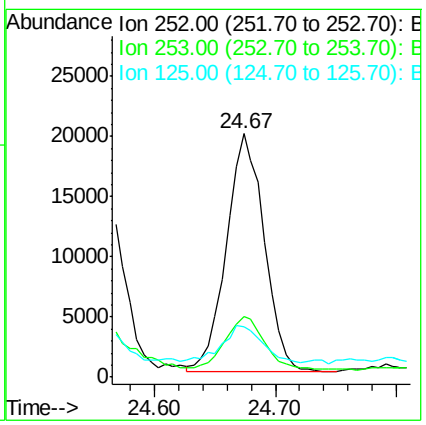


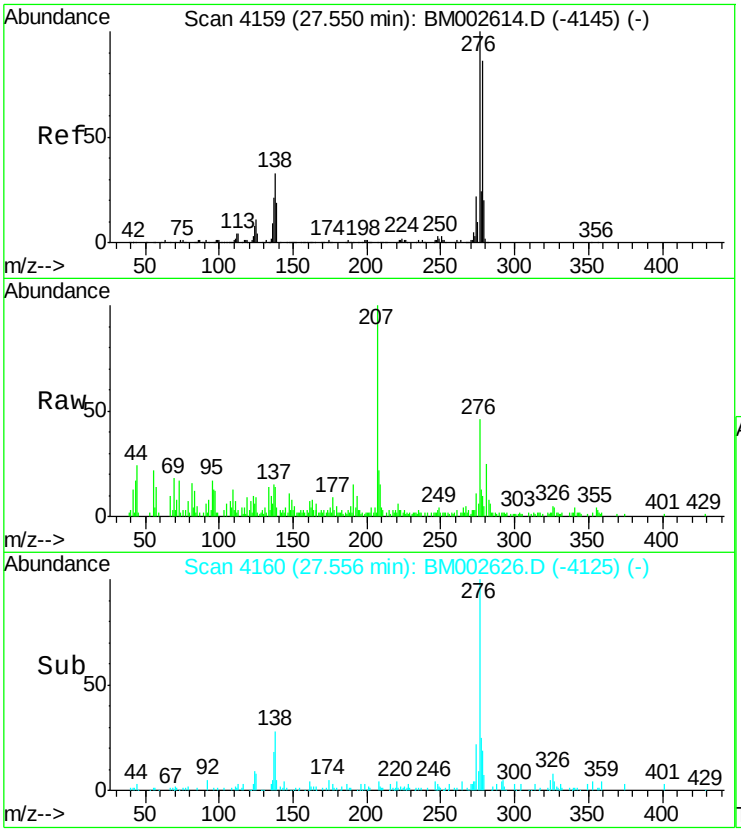




#26
Benzo(a)pyrene
Concen: 2.00 ng/ul
RT: 24.67 min Scan# 3670
Delta R.T. -0.00 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

Tgt Ion:252 Resp: 43332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.8 | 17.6 | 26.4 |
| 125 | 20.6 | 10.7 | 16.1# |



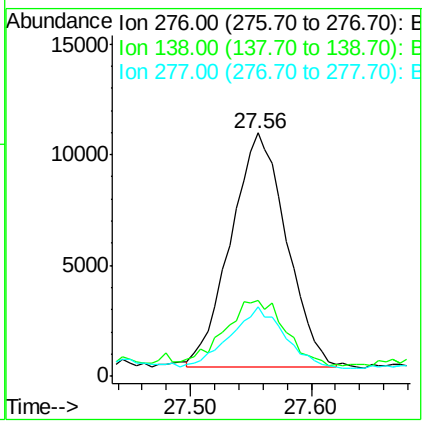


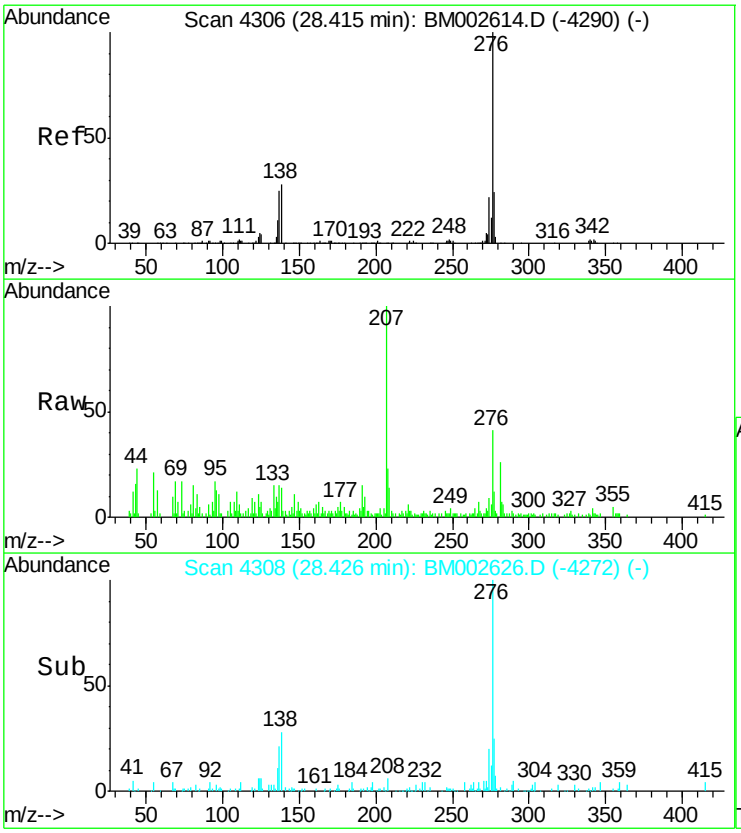

#27
Indeno(1,2,3-cd)pyrene
Concen: 1.36 ng/ul
RT: 27.56 min Scan# 4160
Delta R.T. 0.01 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

**Instrument :**
BNA_M
**ClientSampleId :**
D9E95

Tgt Ion:276 Resp: 33828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.2 | 25.3 | 37.9 |
| 277 | 28.5 | 20.2 | 30.2 |




#29
Benzo(g,h,i)perylene
Concen: 1.71 ng/ul
RT: 28.43 min Scan# 4308
Delta R.T. 0.01 min
Lab File: BM002626.D
Acq: 01 Sep 2015 13:39

Tgt Ion:276 Resp: 35574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.8 | 21.0 | 31.6# |
| 277 | 28.3 | 19.2 | 28.8 |