Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104601.D
Acq On : 18 Apr 2018 15:04
Operator : JU/SJ
Sample : J2423-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

Quant Time: Apr 18 16:25:12 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 18 11:52:19 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 130529 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 492230 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.84 | 164 | 194044 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 280620 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 272209 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 307801 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 829725 | 97.20 | ng | | 0.00 |
| 7) Phenol-d6 | 6.44 | 99 | 991571 | 94.54 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 612509 | 81.25 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 184065 | 91.44 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 990007 | 80.60 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 736482 | 61.68 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 49) Dimethylphthalate | 9.56 | 163 | 90554 | 5.918 | ng | | 100 |
| 74) Fluoranthene | 12.54 | 202 | 73820 | 4.521 | ng | | 95 |
| 77) Pyrene | 12.77 | 202 | 140693 | 6.973 | ng | | 100 |
| 80) Benzo(a)anthracene | 13.96 | 228 | 75995 | 4.673 | ng | | 97 |
| 82) Chrysene | 14.00 | 228 | 72454 | 4.338 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 16.88 | 276 | 30229 | 2.130 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.02 | 252 | 110914m | 5.705 | ng | | |
| 89) Benzo(a)pyrene | 15.37 | 252 | 55093 | 3.167 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 17.32 | 276 | 28878 | 2.086 | ng | | 96 |

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

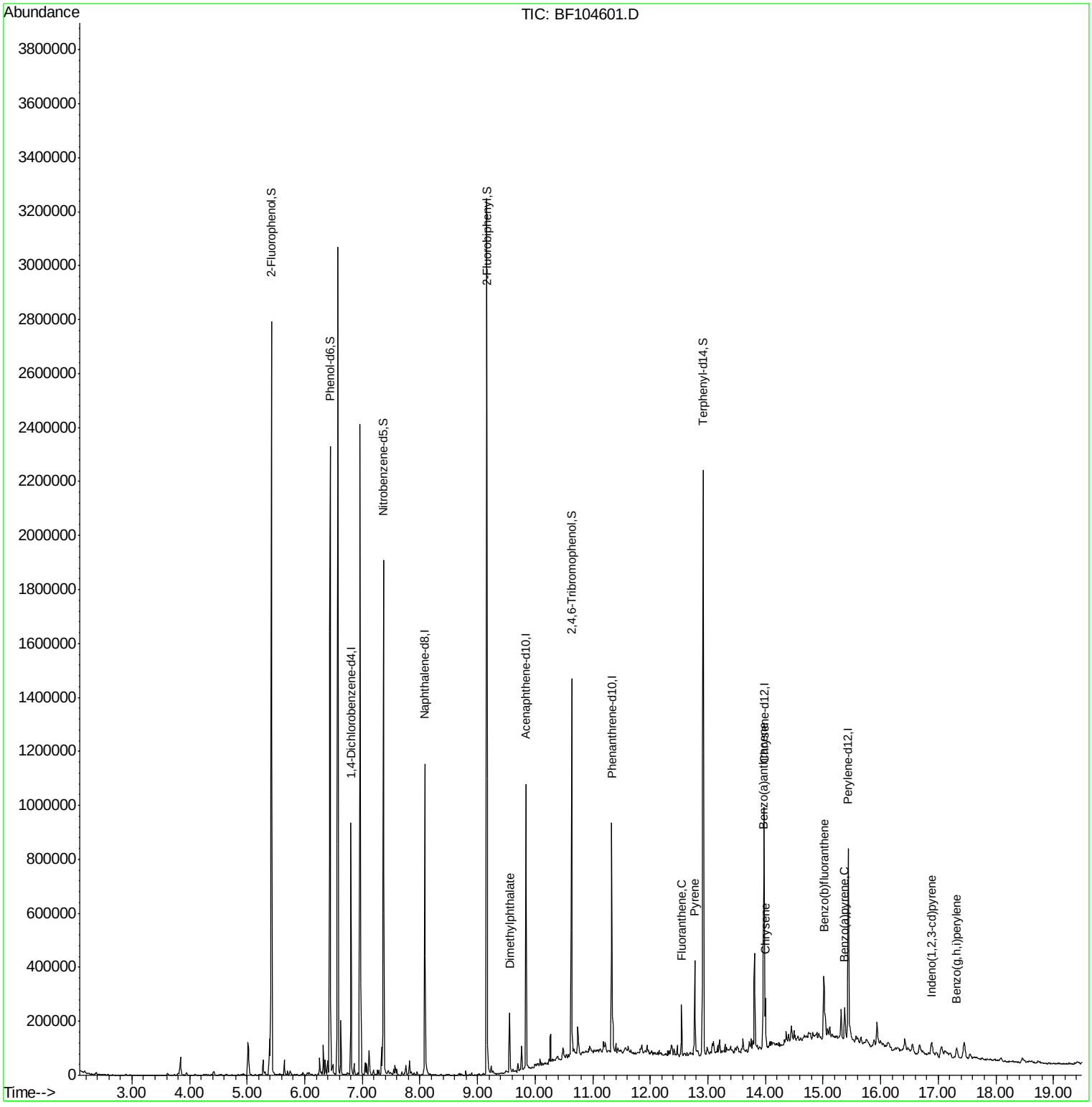
Quantitation Report (QT/LSC Reviewed)

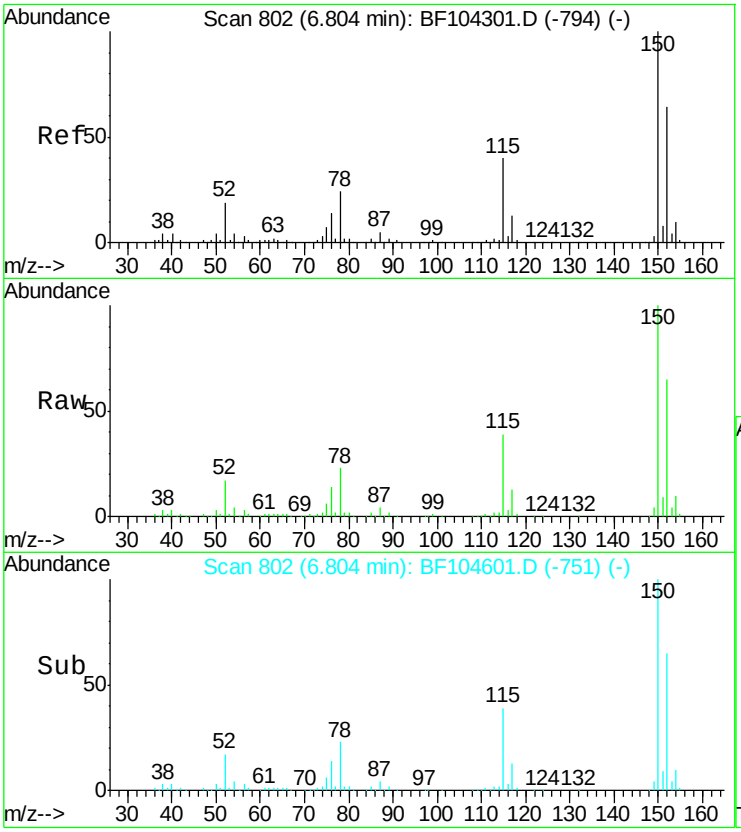
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104601.D
Acq On : 18 Apr 2018 15:04
Operator : JU/SJ
Sample : J2423-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 18 16:25:12 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 18 11:52:19 2018
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

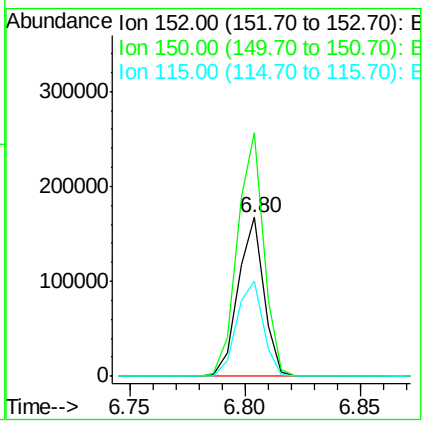





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

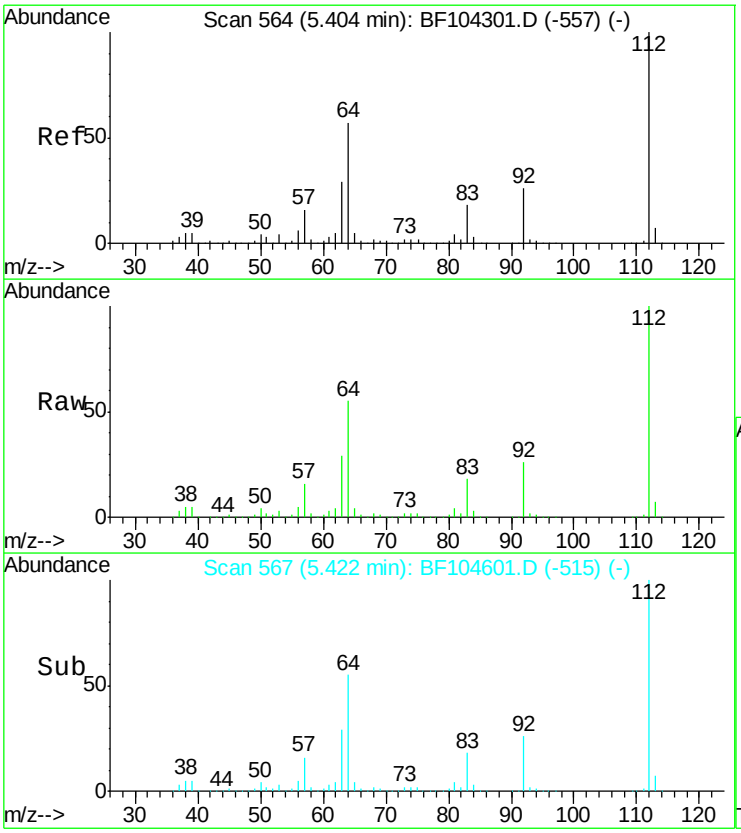
Tgt Ion:152 Resp: 130529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.4 | 124.6 | 186.8 |
| 115 | 60.1 | 50.1 | 75.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

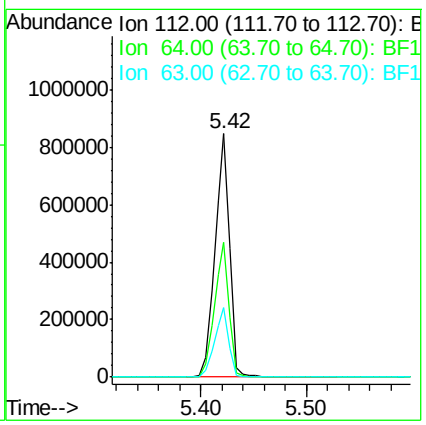
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

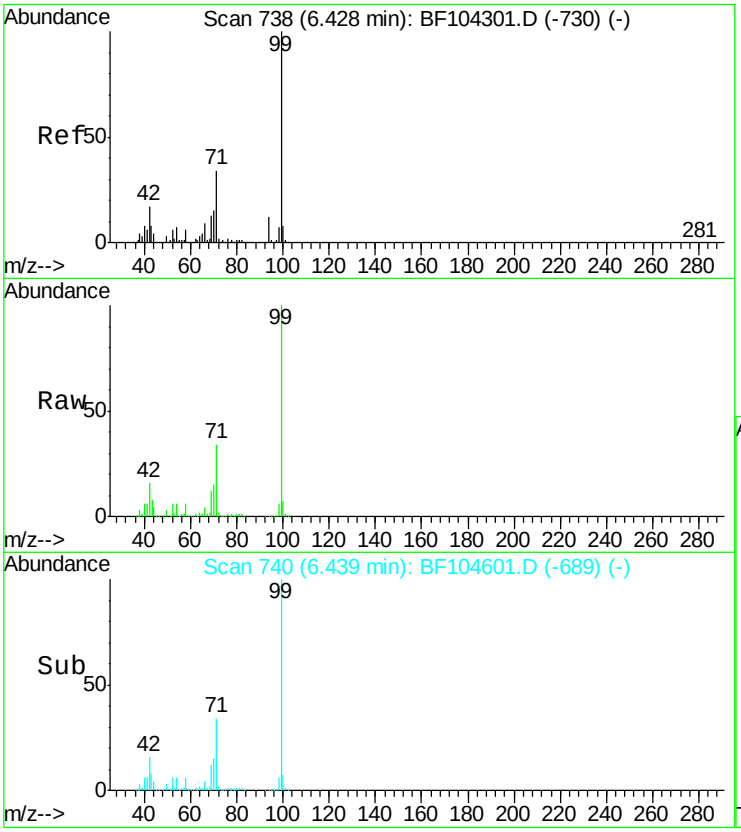



#5
2-Fluorophenol
Concen: 97.196 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:112 Resp: 829725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.2 | 47.9 | 71.9 |
| 63 | 28.8 | 23.7 | 35.5 |

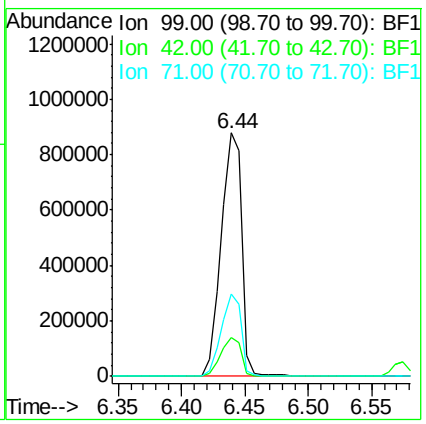





#7
Phenol-d6
Concen: 94.537 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.00 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

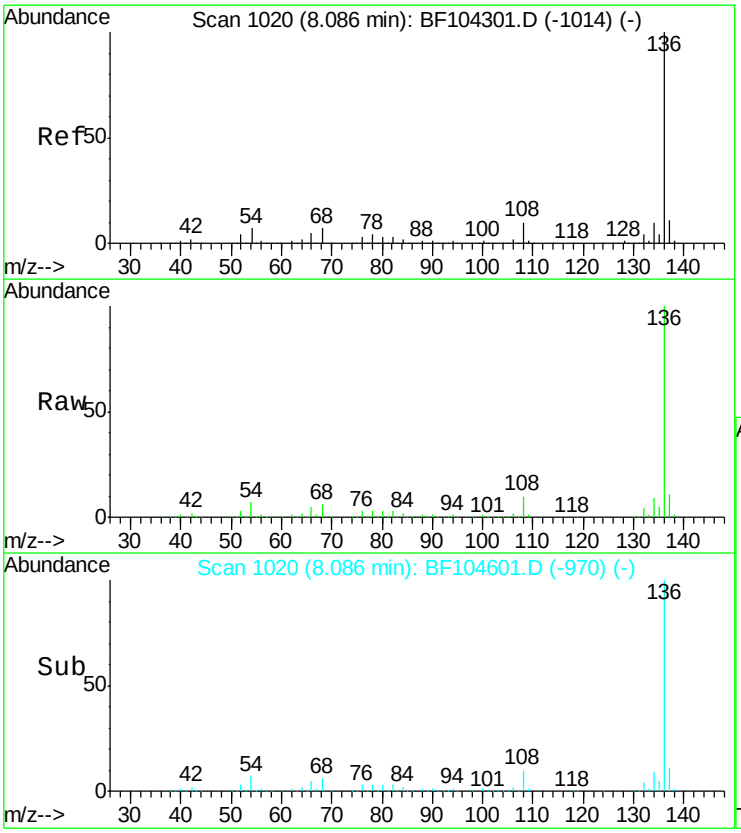
Tgt Ion: 99 Resp: 991571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.1 | 14.5 | 21.7 |
| 71 | 33.8 | 25.4 | 38.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

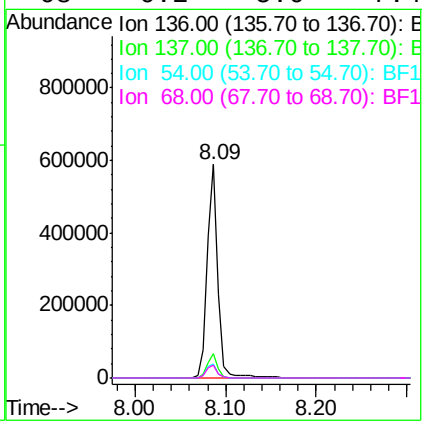
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

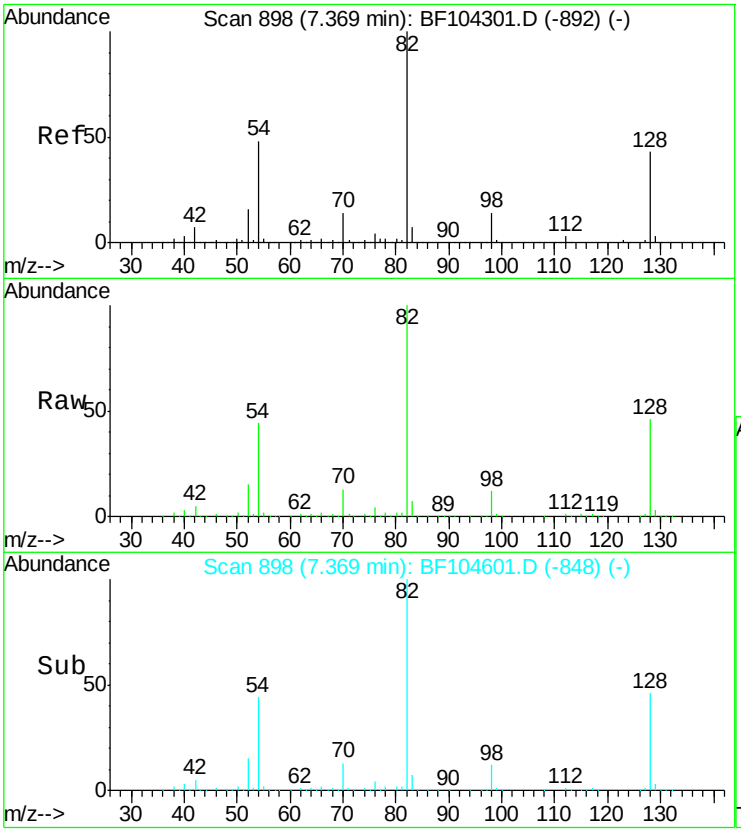



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:136 Resp: 492230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.9 | 13.3 |
| 54 | 6.6 | 6.6 | 9.8 |
| 68 | 6.2 | 5.0 | 7.4 |

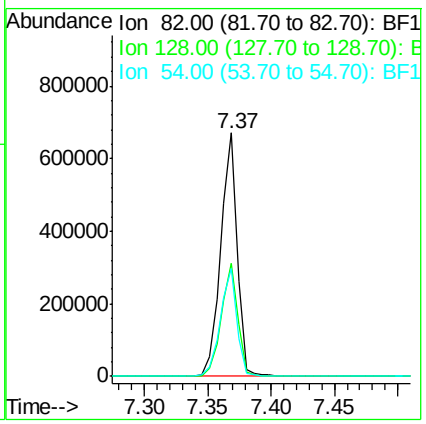





#23
Nitrobenzene-d5
Concen: 81.254 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

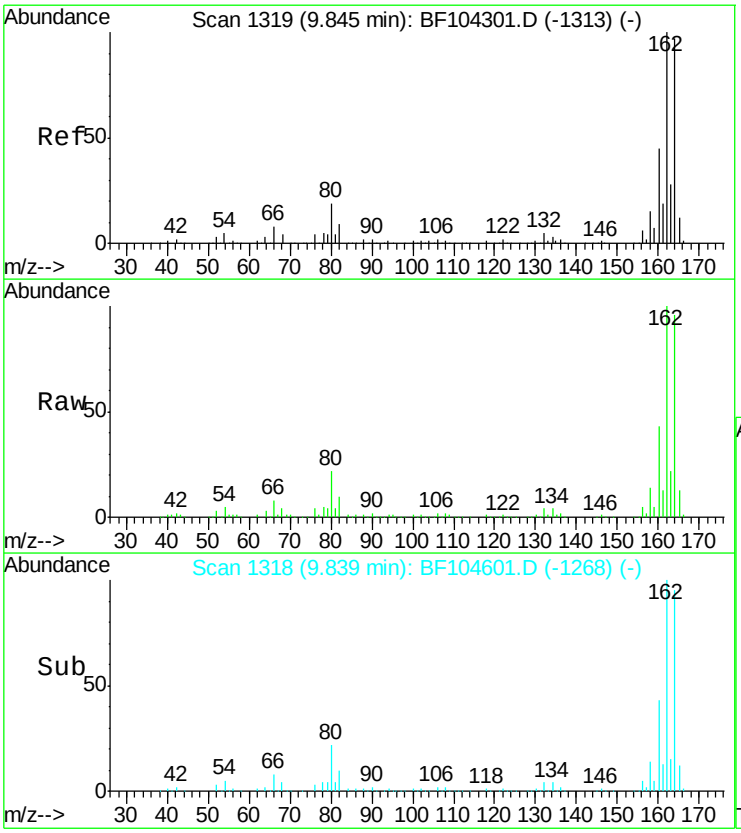
Tgt Ion: 82 Resp: 612509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.3 | 36.1 | 54.1 |
| 54 | 44.4 | 41.4 | 62.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

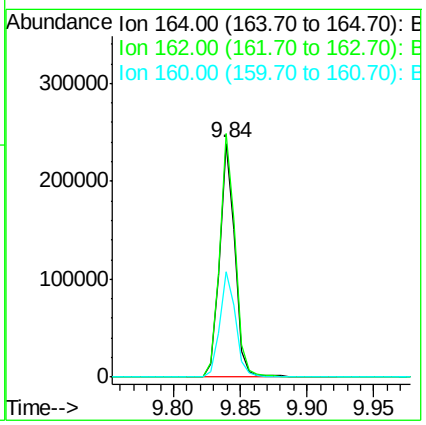
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

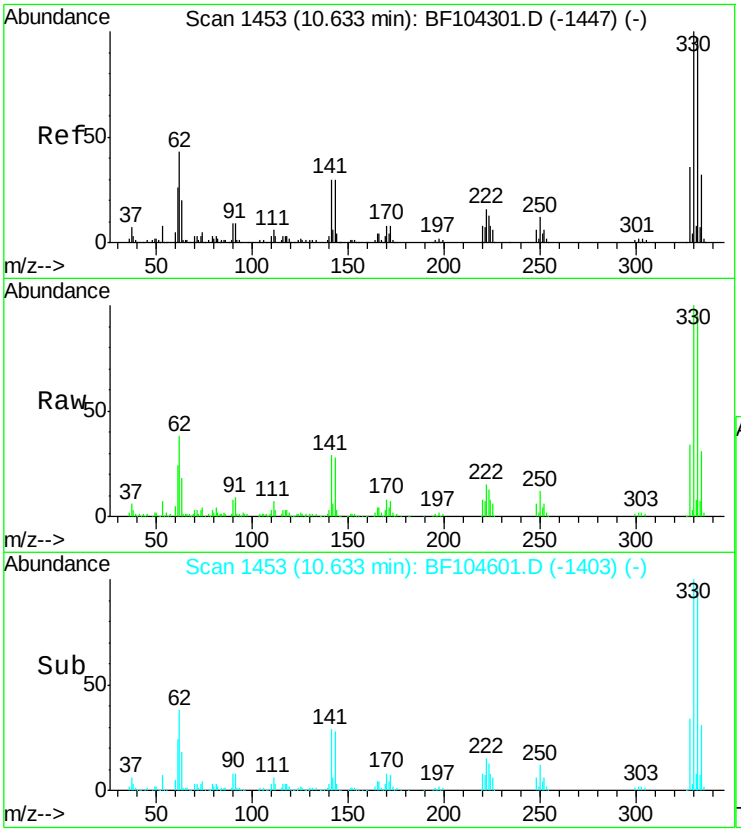



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:164 Resp: 194044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.1 | 86.1 | 129.1 |
| 160 | 45.1 | 38.3 | 57.5 |

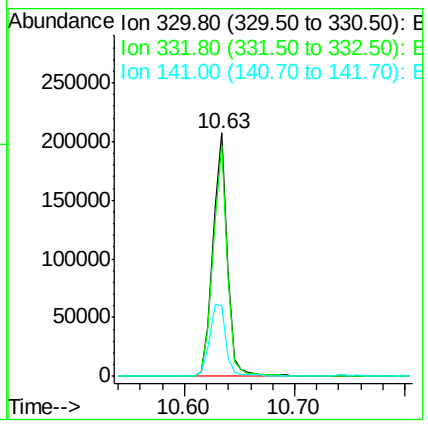





#41
2,4,6-Tribromophenol
Concen: 91.444 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

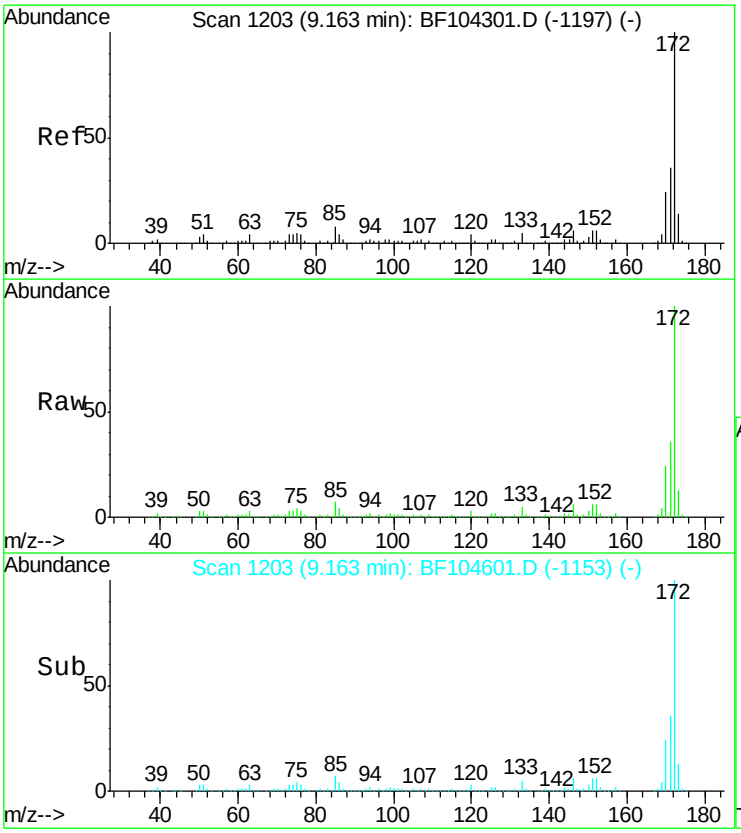
Tgt Ion:330 Resp: 184065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.3 | 77.0 | 115.6 |
| 141 | 32.7 | 29.9 | 44.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

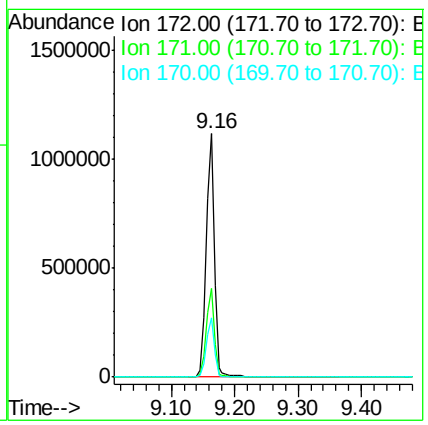
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

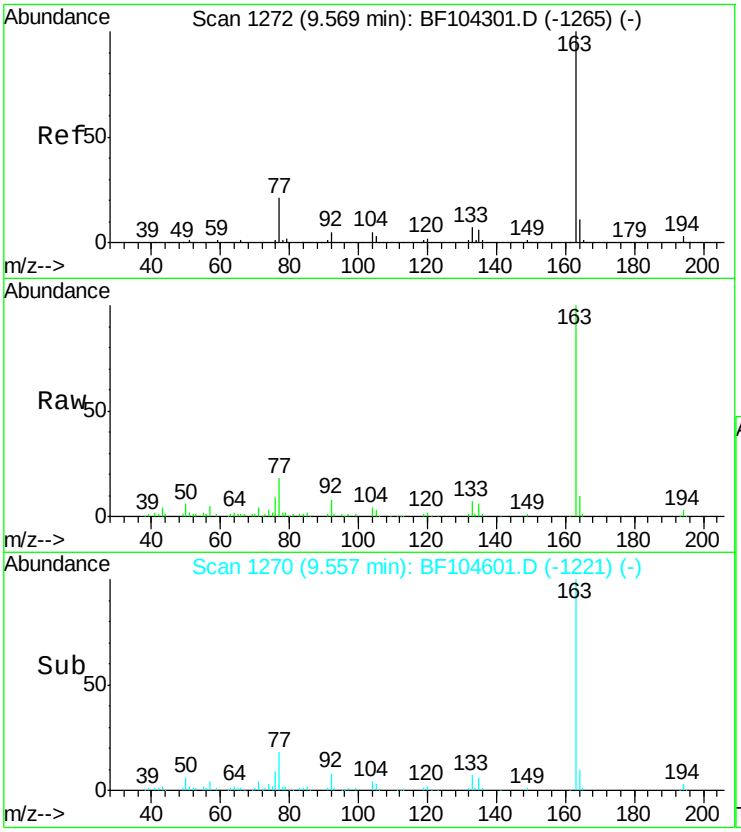



#44
2-Fluorobiphenyl
Concen: 80.598 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:172 Resp: 990007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.7 | 44.5 |
| 170 | 24.1 | 19.6 | 29.4 |

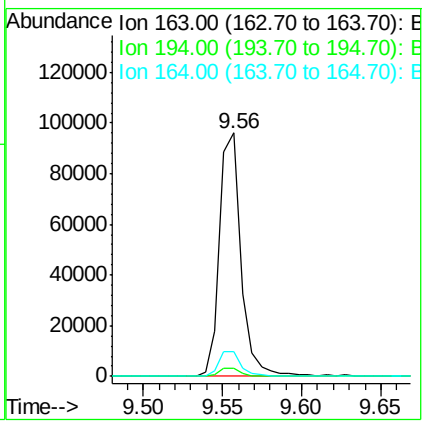





#49
Dimethylphthalate
Concen: 5.918 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

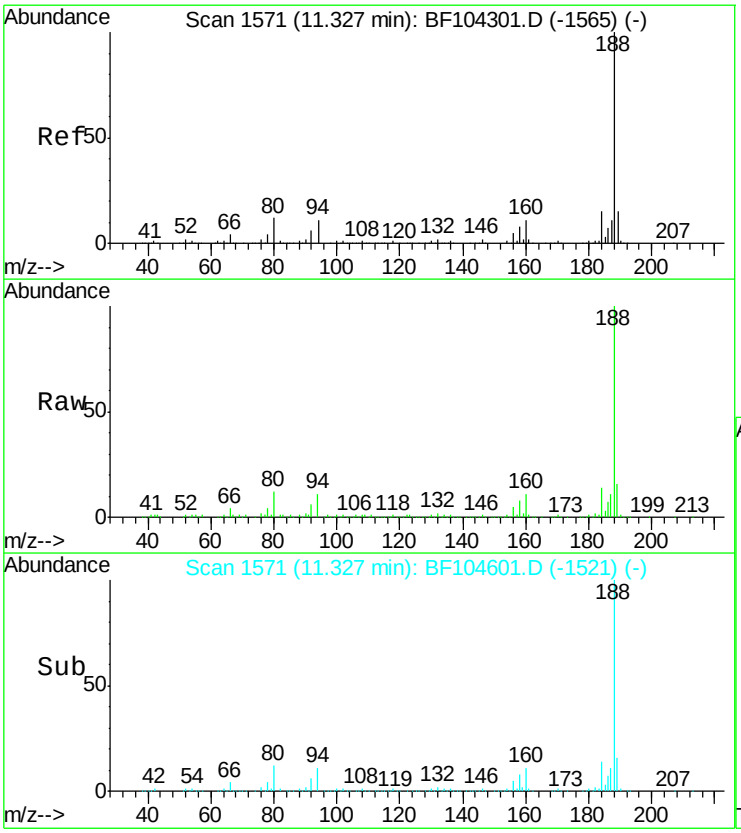
Tgt Ion:163 Resp: 90554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.7 | 4.1 |
| 164 | 10.1 | 8.2 | 12.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

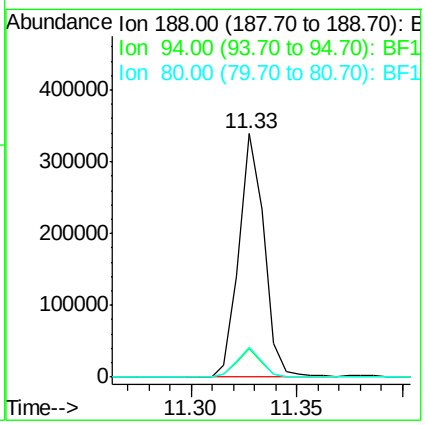
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

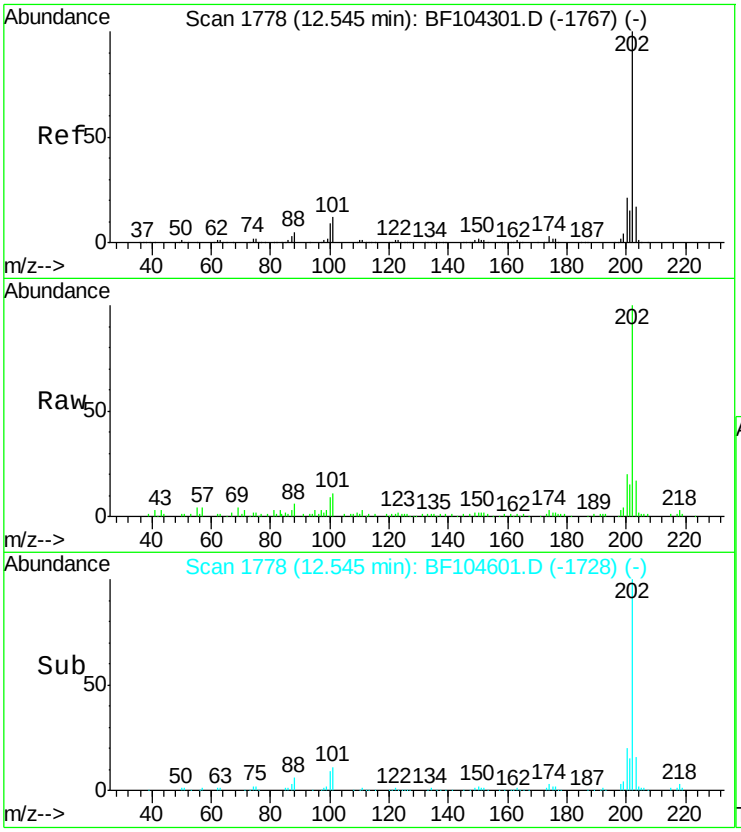



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:188 Resp: 280620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.5 | 8.5 | 12.7 |
| 80 | 12.4 | 9.2 | 13.8 |

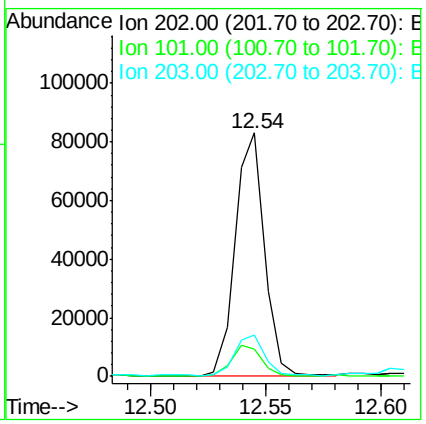





#74
Fluoranthene
Concen: 4.521 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

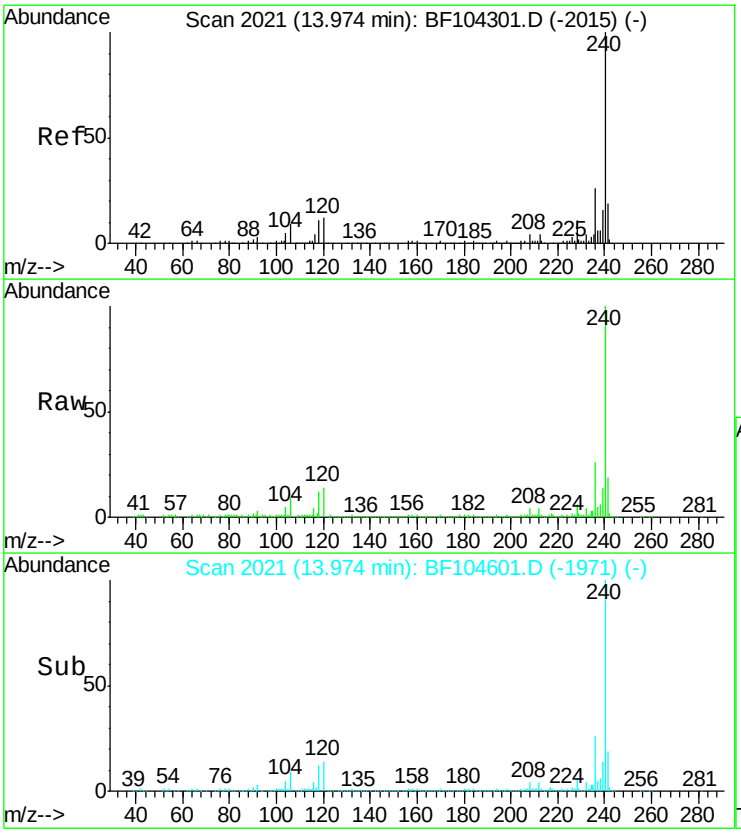
Tgt Ion:202 Resp: 73820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 0.0 | 34.1 |
| 203 | 16.8 | 0.0 | 38.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

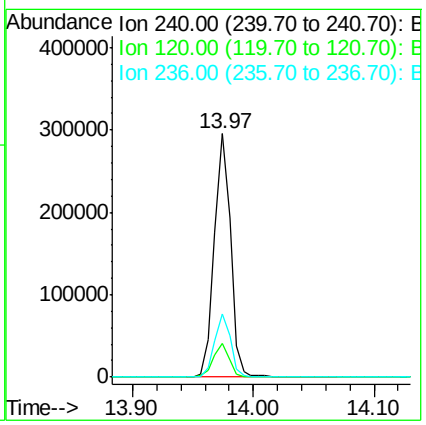
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

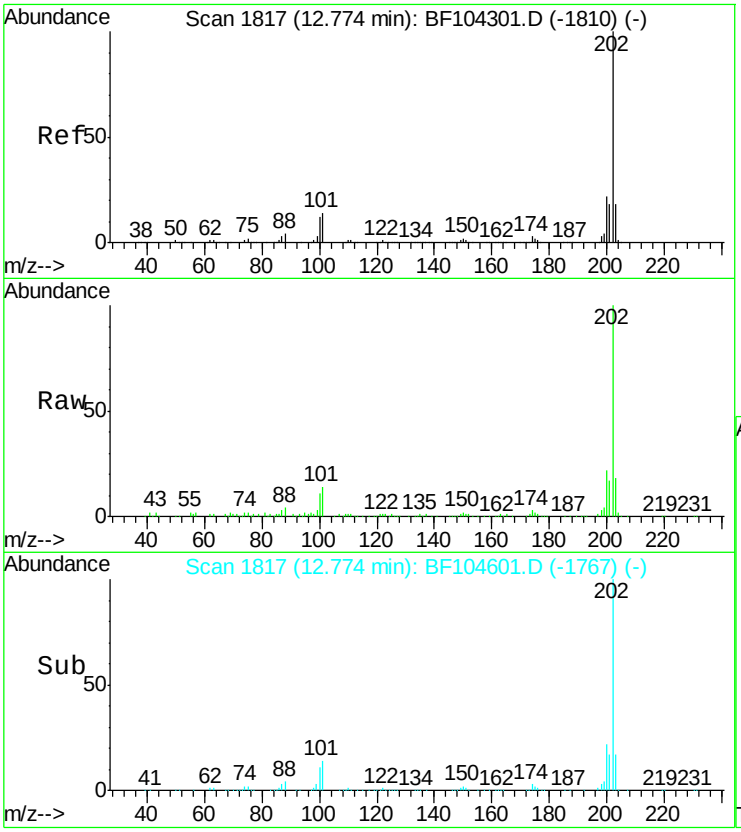



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:240 Resp: 272209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.6 | 9.5 | 14.3 |
| 236 | 25.9 | 20.7 | 31.1 |

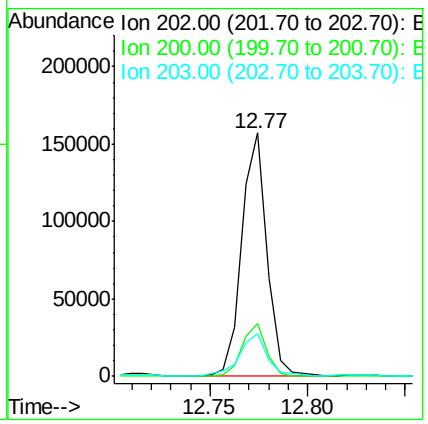





#77
Pyrene
Concen: 6.973 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

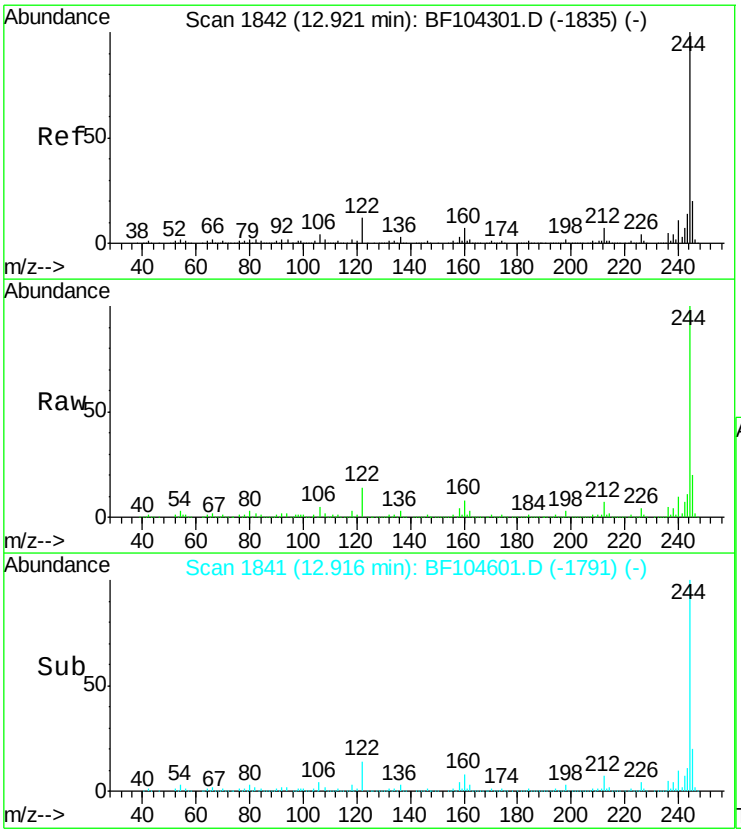
Tgt Ion:202 Resp: 140693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.4 | 26.2 |
| 203 | 17.8 | 14.3 | 21.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

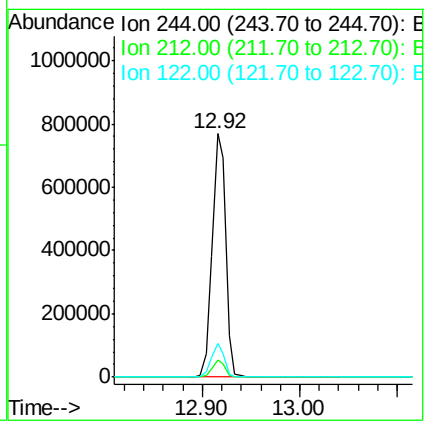
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

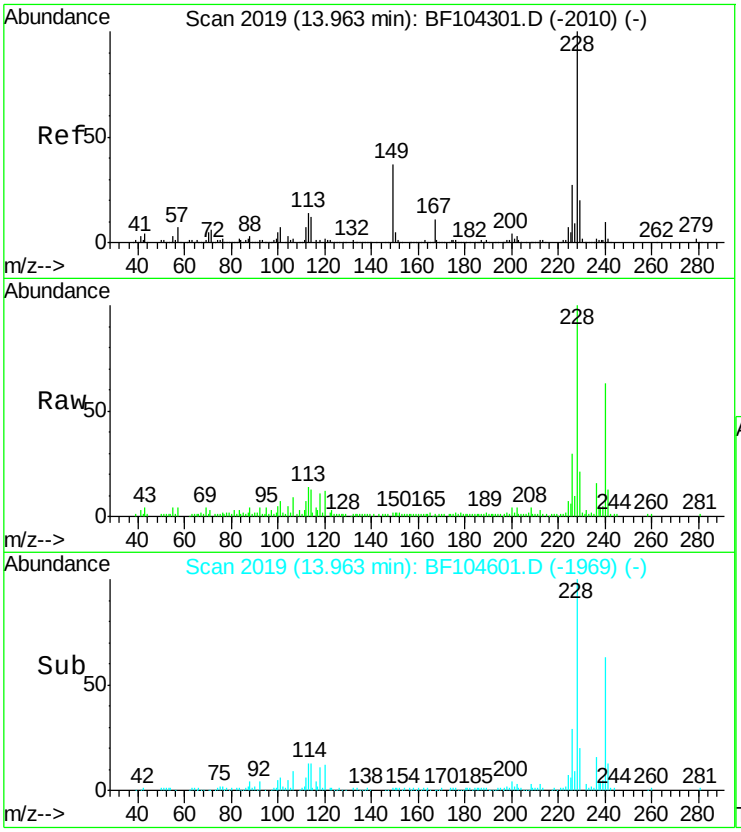



#78
Terphenyl-d14
Concen: 61.683 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:244 Resp: 736482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.0 |
| 122 | 13.7 | 11.0 | 16.4 |

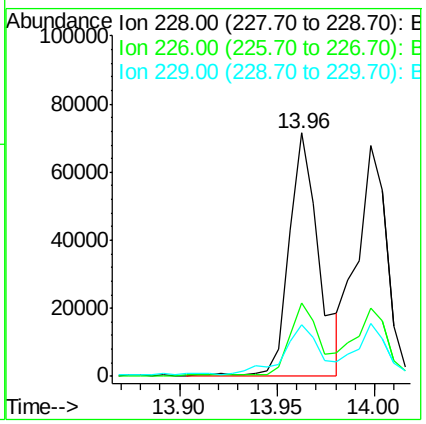





#80
Benzo(a)anthracene
Concen: 4.673 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

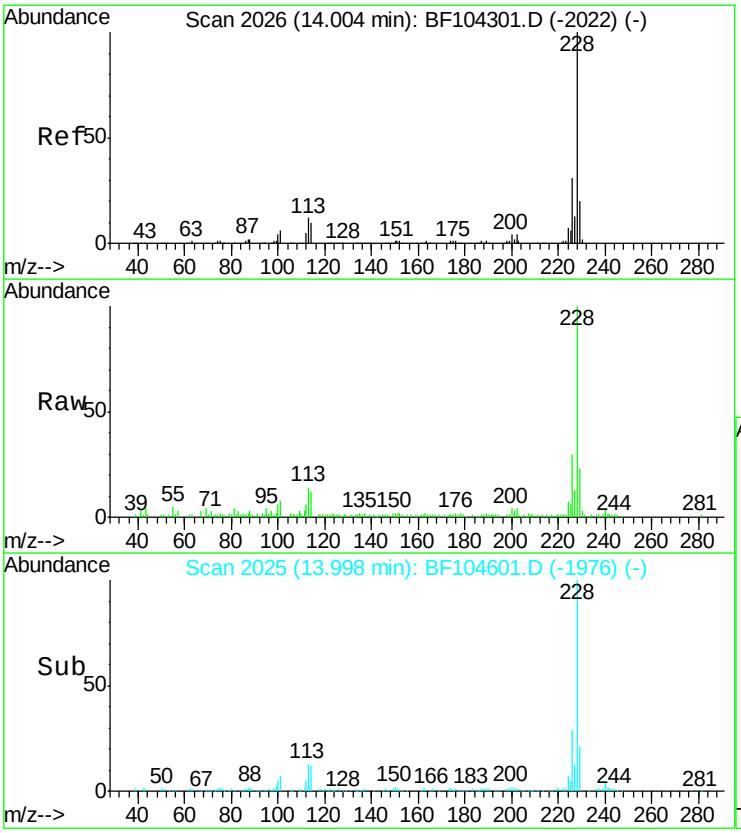
Tgt Ion:228 Resp: 75995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 22.6 | 33.8 |
| 229 | 21.3 | 15.8 | 23.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

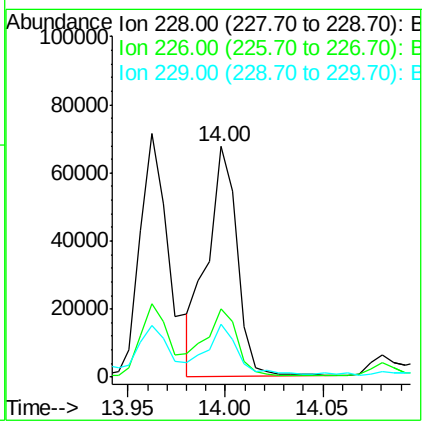
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

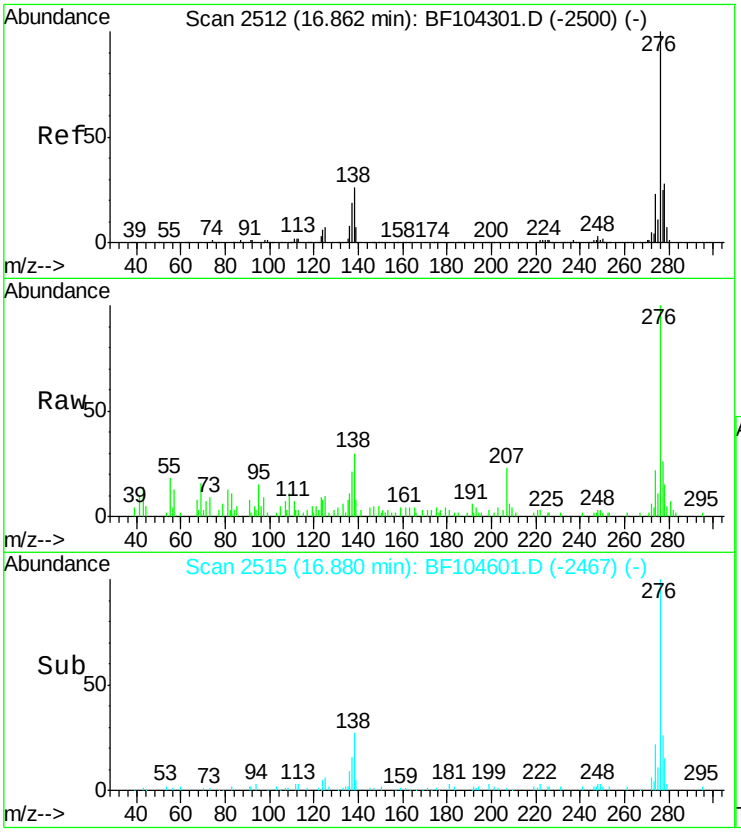



#82
Chrysene
Concen: 4.338 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:228 Resp: 72454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 25.0 | 37.6 |
| 229 | 22.7 | 16.2 | 24.4 |

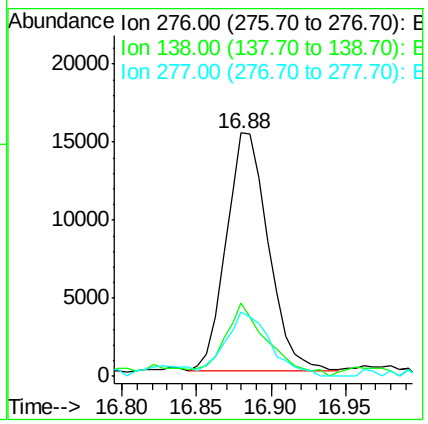





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.130 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.02 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

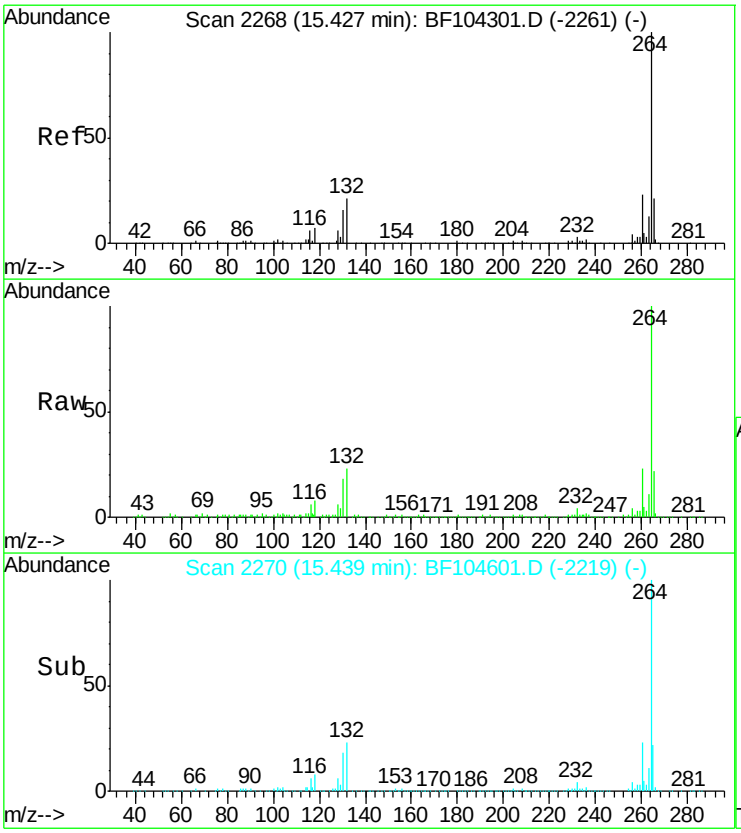
Tgt Ion:276 Resp: 30229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.4 | 25.0 | 37.6 |
| 277 | 28.7 | 20.1 | 30.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

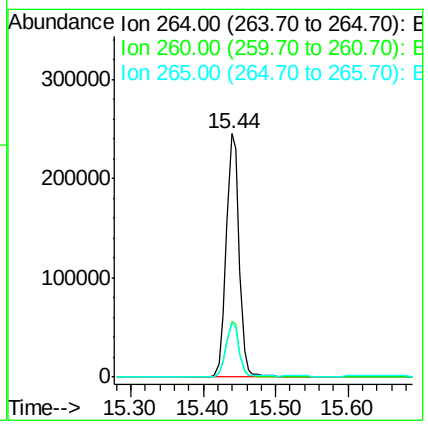
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

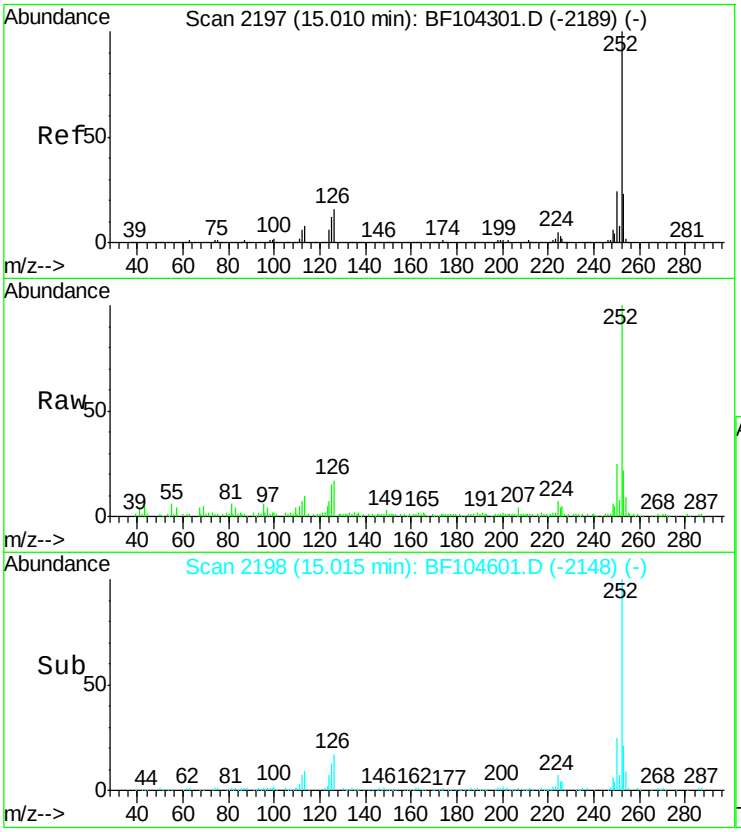



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:264 Resp: 307801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 19.2 | 28.8 |
| 265 | 22.4 | 17.5 | 26.3 |

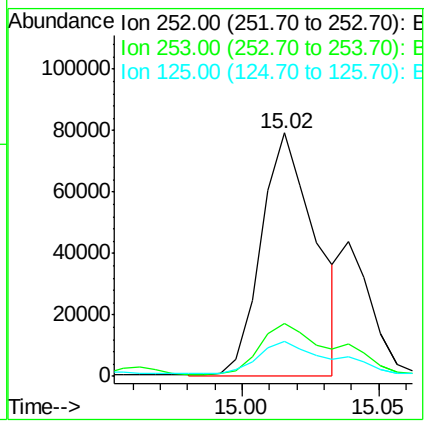





#87
Benzo(b)fluoranthene
Concen: 5.705 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

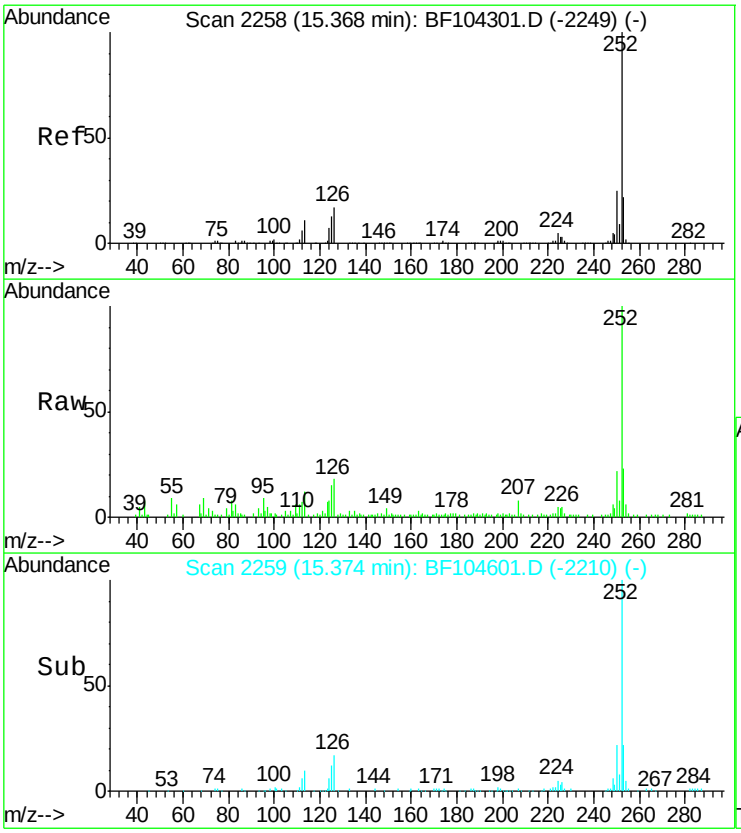
Tgt Ion:252 Resp: 110914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.0 | 25.6 |
| 125 | 14.5 | 9.0 | 13.6# |




**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

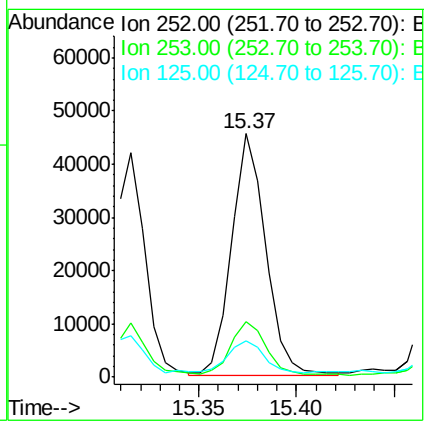
**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM

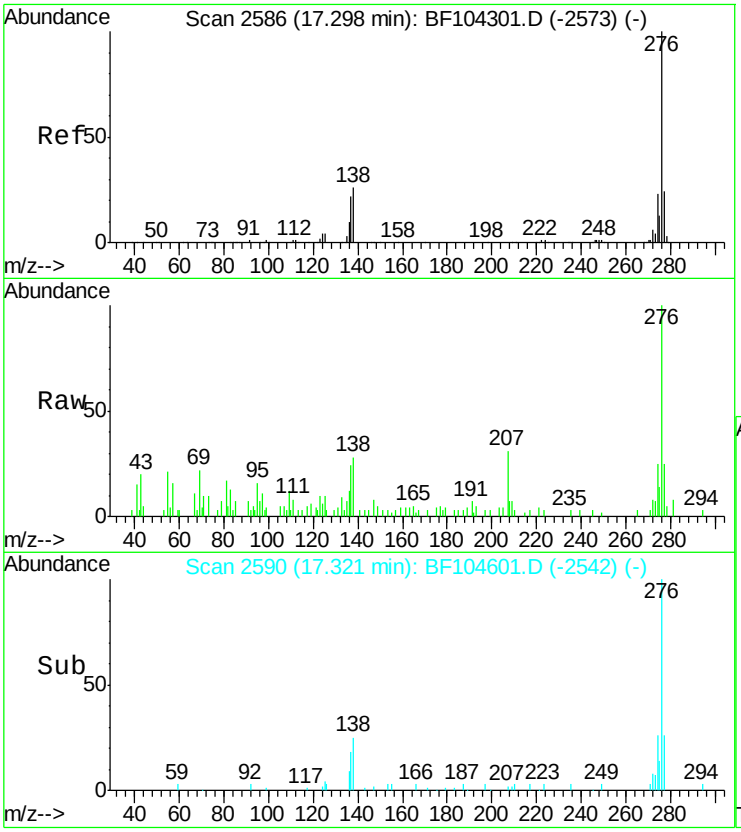



#89
Benzo(a)pyrene
Concen: 3.167 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:252 Resp: 55093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.1 | 25.7 |
| 125 | 14.9 | 9.8 | 14.6# |






#91
Benzo(g,h,i)perylene
Concen: 2.086 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.02 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:276 Resp: 28878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.4 | 17.9 | 26.9 |
| 138 | 28.2 | 21.8 | 32.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
NYS-RBR200035

**Manual Integrations APPROVED**
Sohil
4/19/2018 12:43:06 PM