Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070717\
Data File : BF096572.D
Acq On : 7 Jul 2017 21:20
Operator : SJ/MA
Sample : I4063-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-01-070517-A

**Manual Integrations APPROVED**
mohammad
7/10/2017 2:22:34 PM

Quant Time: Jul 08 00:39:51 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 07 13:02:33 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.69 | 152 | 118224 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.97 | 136 | 462822 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.73 | 164 | 216964 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.20 | 188 | 356742 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.83 | 240 | 228982 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.23 | 264 | 231985 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.31 | 112 | 780093 | 97.39 | ng | | 0.00 |
| 7) Phenol-d6 | 6.33 | 99 | 946401 | 96.11 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 559979 | 72.71 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 169726 | 100.15 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.06 | 172 | 924634 | 72.87 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.79 | 244 | 630023 | 58.79 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.35 | 94 | 22946 | 2.045 | ng | | 93 |
| 49) Dimethylphthalate | 9.45 | 163 | 88704 | 5.477 | ng | | 98 |
| 74) Fluoranthene | 12.41 | 202 | 70255 | 3.716 | ng | | 97 |
| 77) Pyrene | 12.64 | 202 | 64712 | 3.521 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.82 | 228 | 29278 | 2.208 | ng | | 96 |
| 82) Chrysene | 13.86 | 228 | 28874 | 2.079 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.84 | 252 | 41870m | 2.880 | ng | | |
| 89) Benzo(a)pyrene | 15.17 | 252 | 30980 | 2.387 | ng | # | 95 |

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070717\
Data File : BF096572.D
Acq On : 7 Jul 2017 21:20
Operator : SJ/MA
Sample : I4063-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 00:39:51 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 07 13:02:33 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

**Manual Integrations APPROVED**
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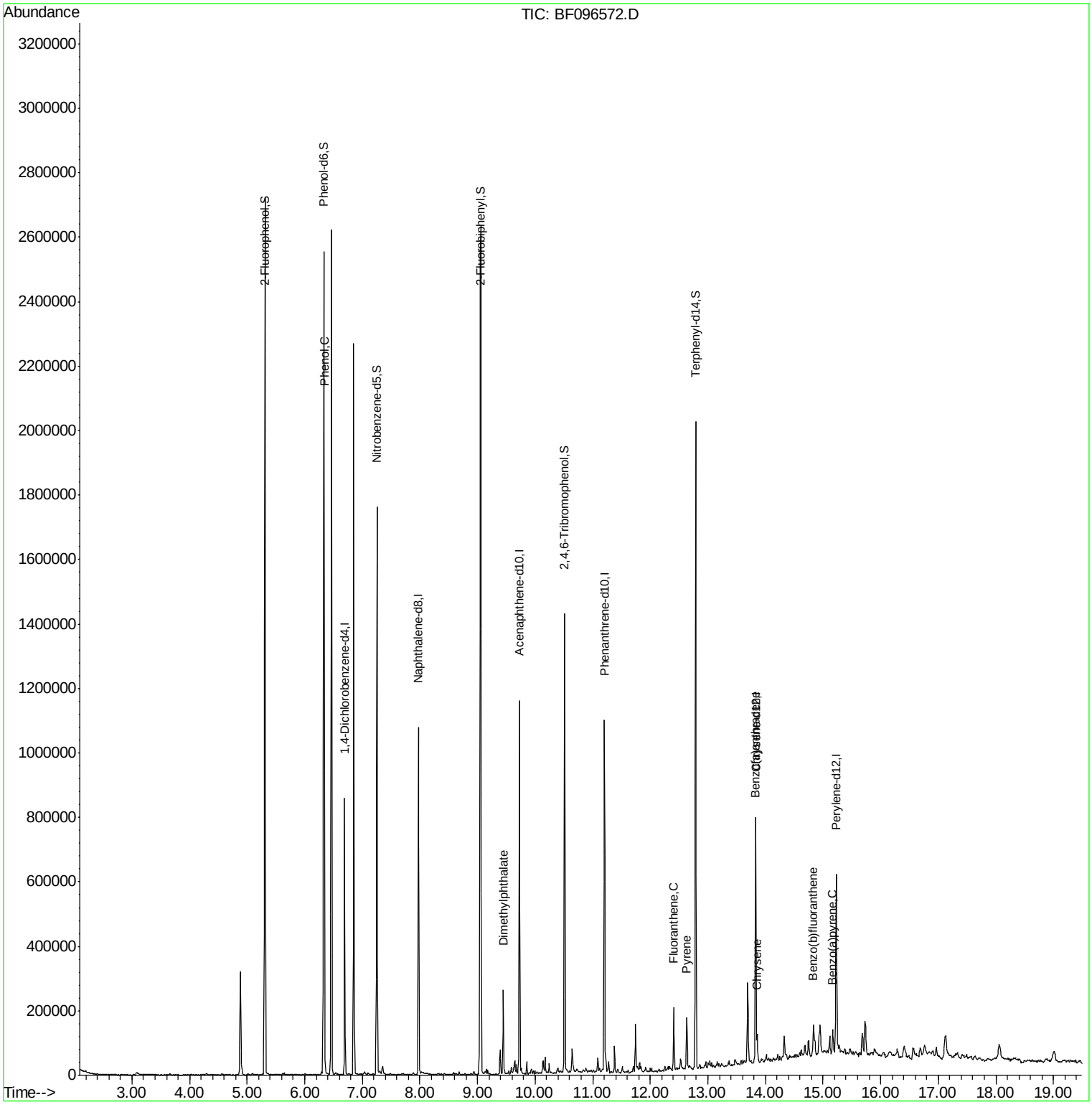
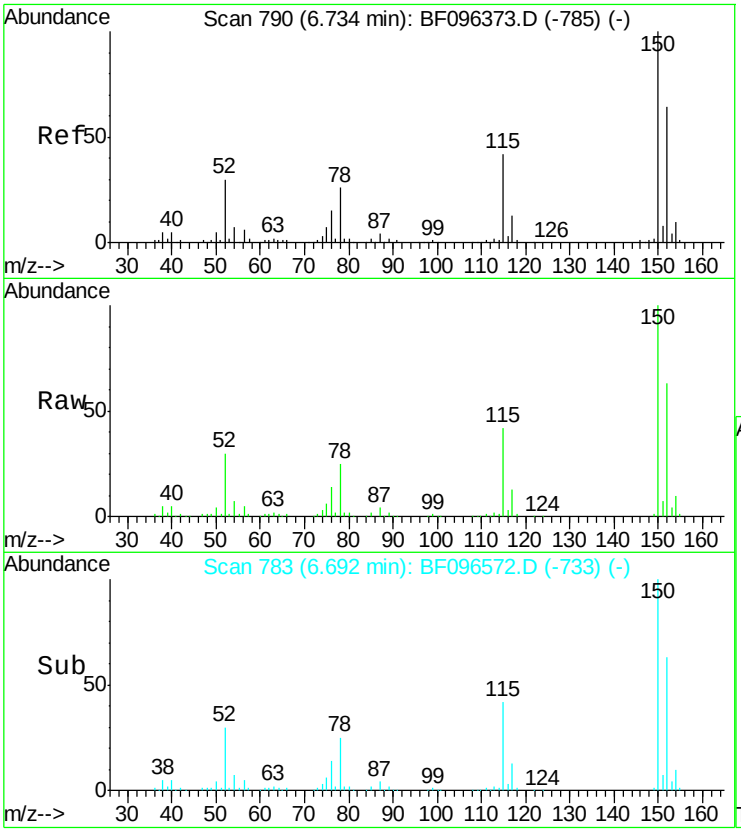
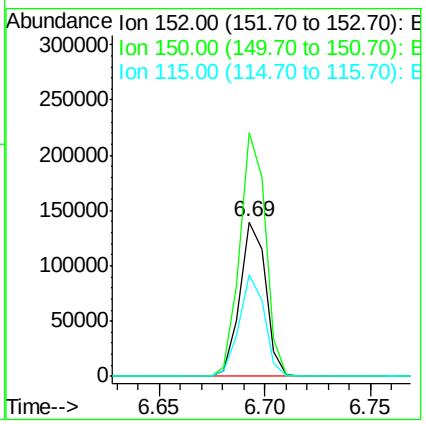





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:152 Resp: 118224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.7 | 126.2 | 189.2 |
| 115 | 66.1 | 52.2 | 78.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

**Manual Integrations APPROVED**
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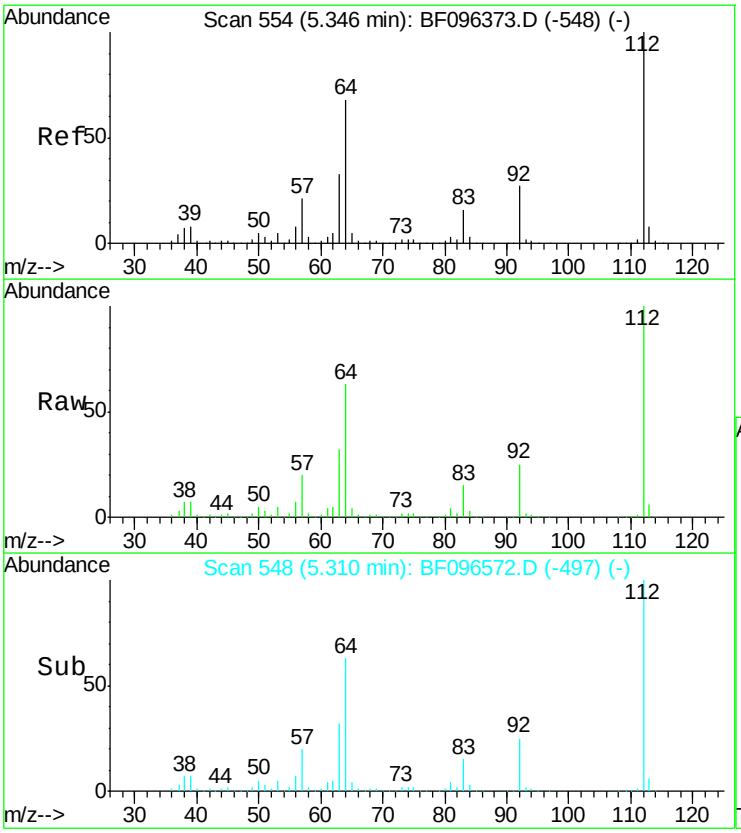
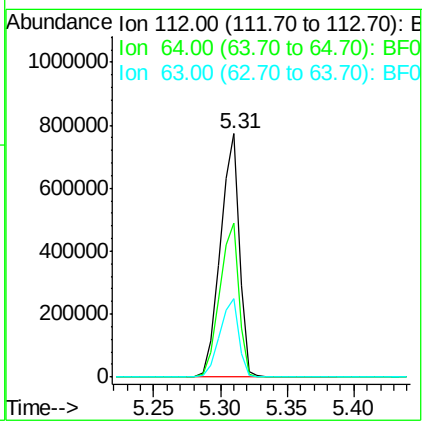
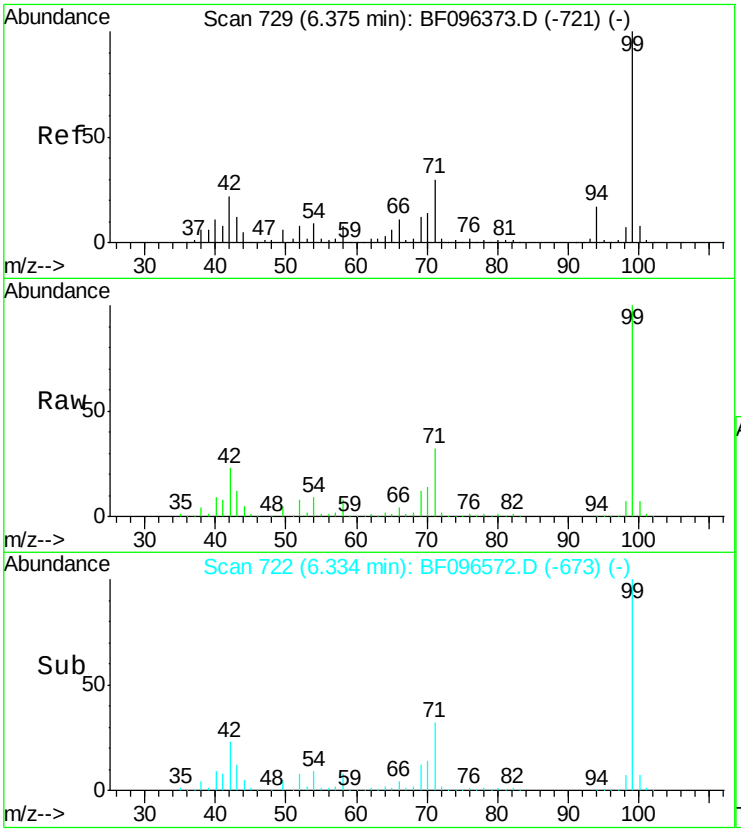



#5
2-Fluorophenol
Concen: 97.391 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:112 Resp: 780093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.1 | 46.0 | 69.0 |
| 63 | 32.1 | 23.4 | 35.0 |

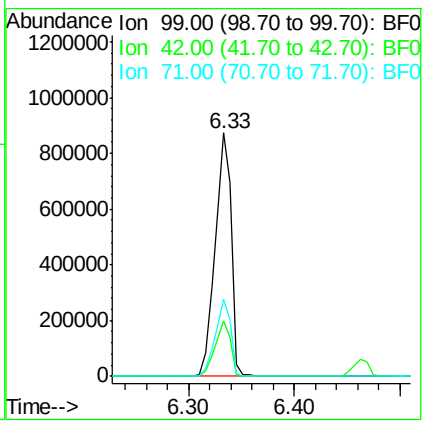





#7
Phenol-d6
Concen: 96.109 ng
RT: 6.33 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion: 99 Resp: 946401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.8 | 13.5 | 20.3# |
| 71 | 31.9 | 24.5 | 36.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

**Manual Integrations APPROVED**
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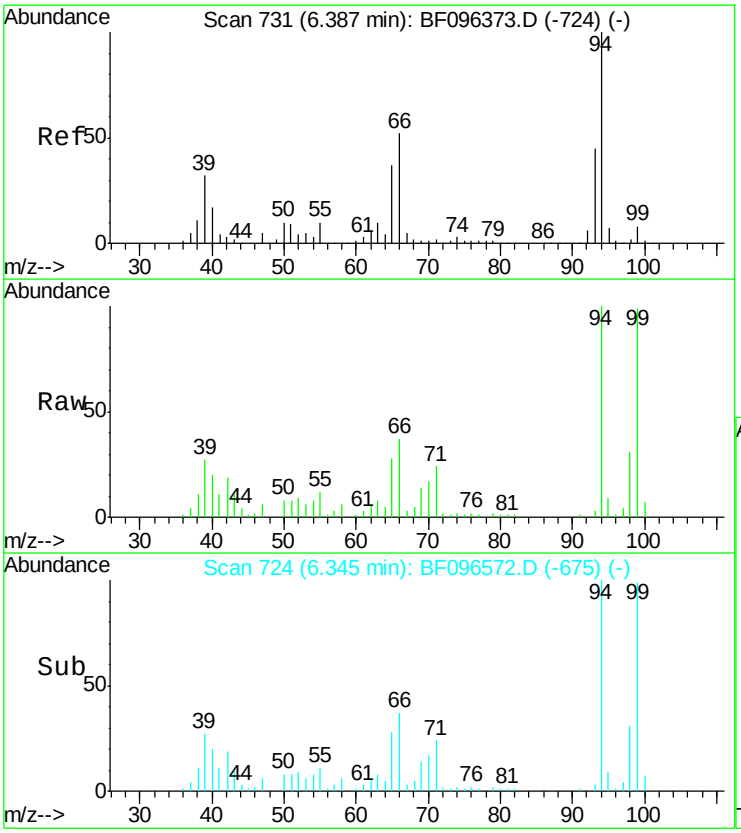
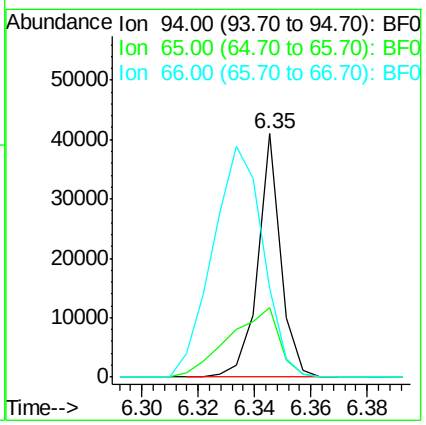
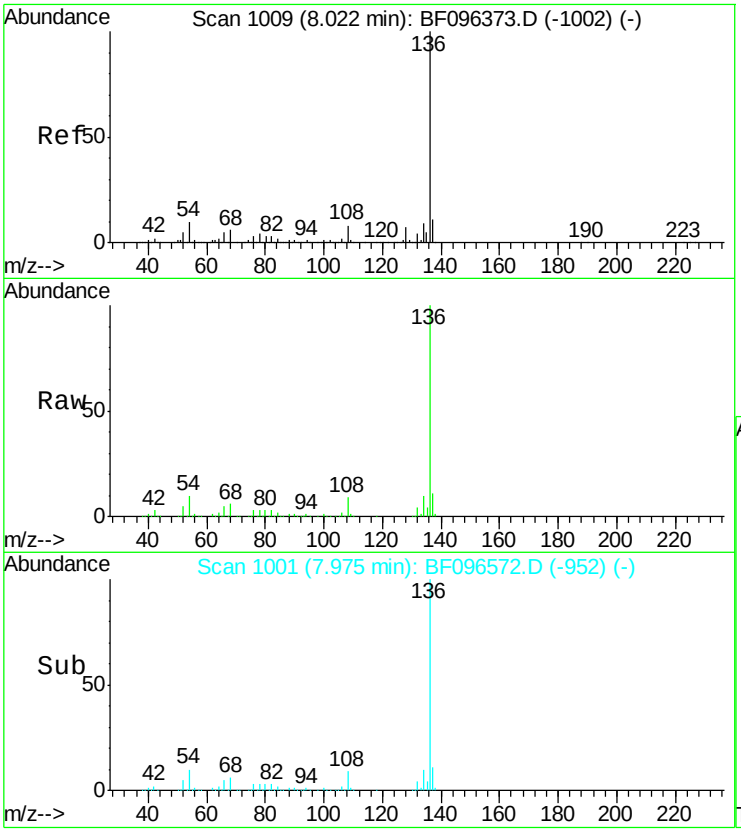



#10
Phenol
Concen: 2.045 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion: 94 Resp: 22946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.3 | 9.9 | 49.9 |
| 66 | 36.6 | 23.1 | 63.1 |

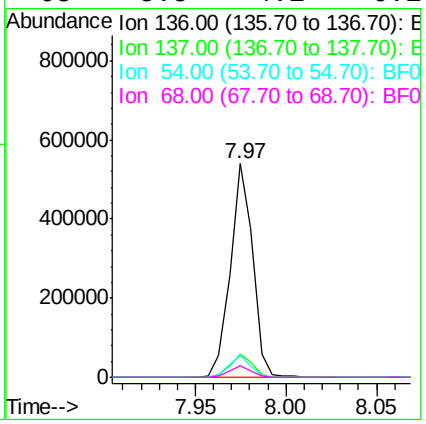





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:136 Resp: 462822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.5 | 12.7 |
| 54 | 10.1 | 4.9 | 7.3# |
| 68 | 5.5 | 4.1 | 6.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

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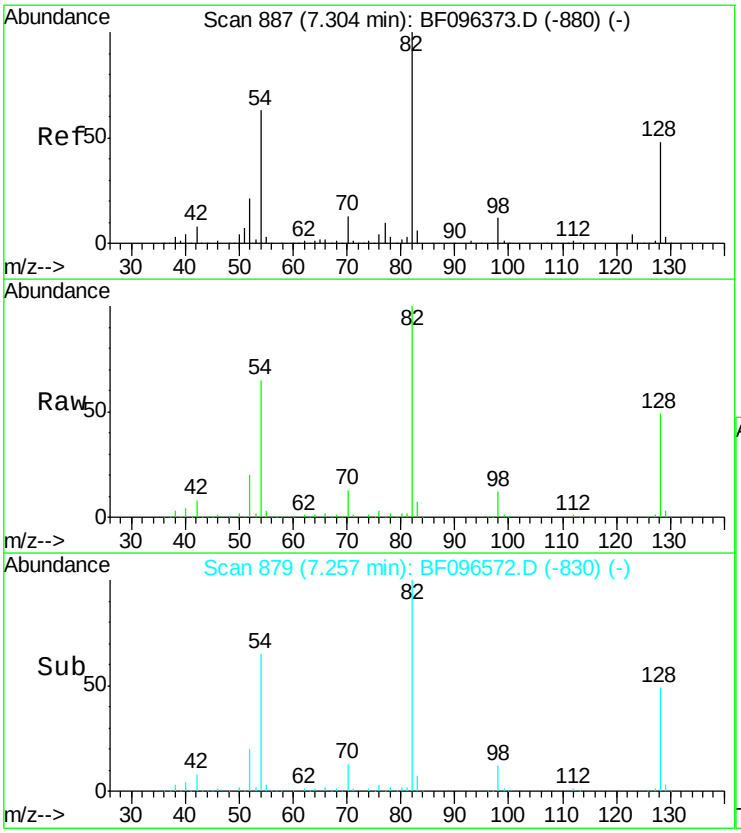
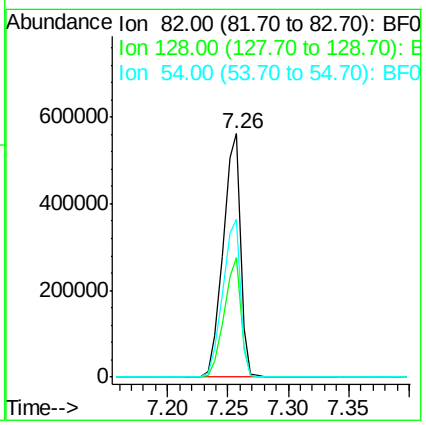
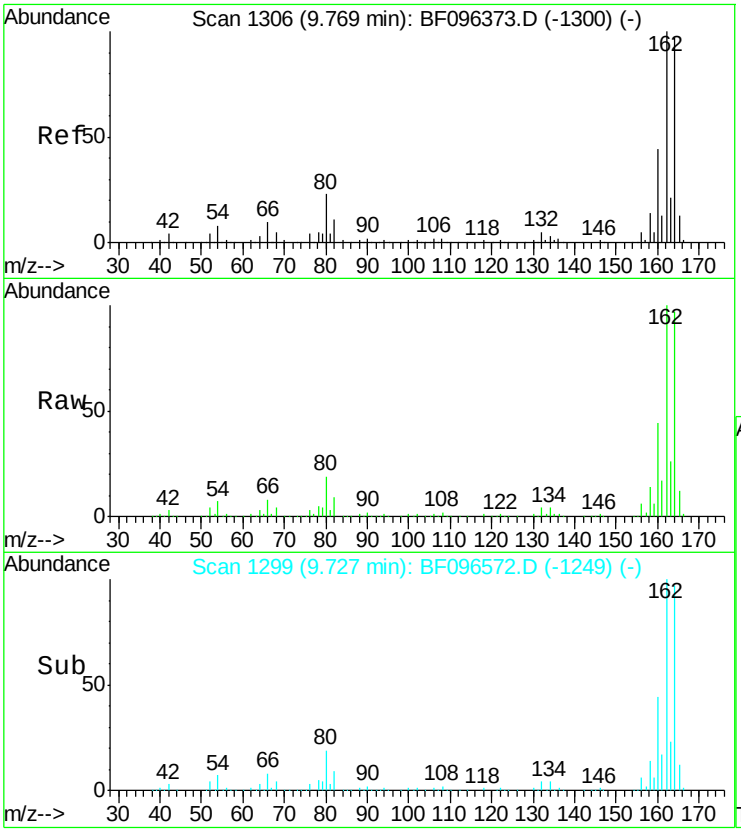



#23
Nitrobenzene-d5
Concen: 72.705 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion: 82 Resp: 559979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.1 | 34.0 | 51.0 |
| 54 | 64.7 | 42.2 | 63.2# |

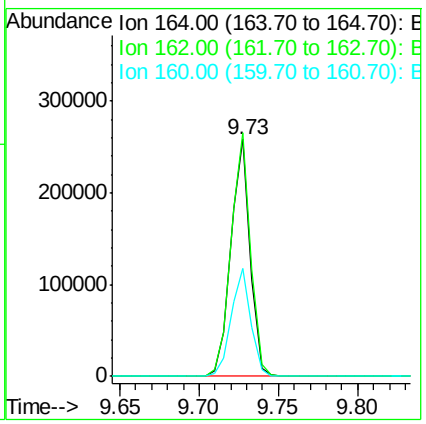





#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:164 Resp: 216964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 82.6 | 123.8 |
| 160 | 45.6 | 36.2 | 54.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

**Manual Integrations APPROVED**
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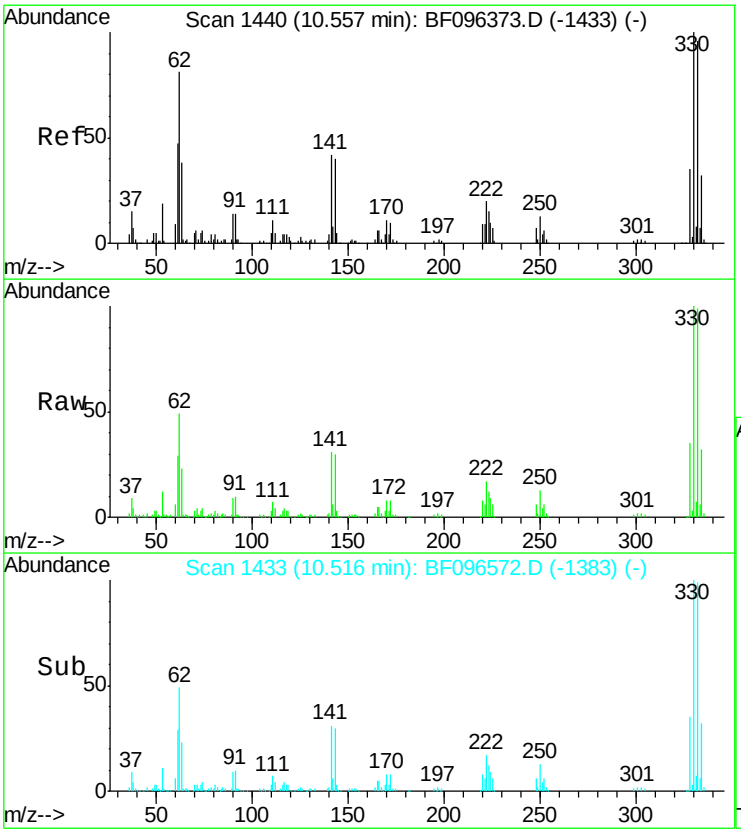
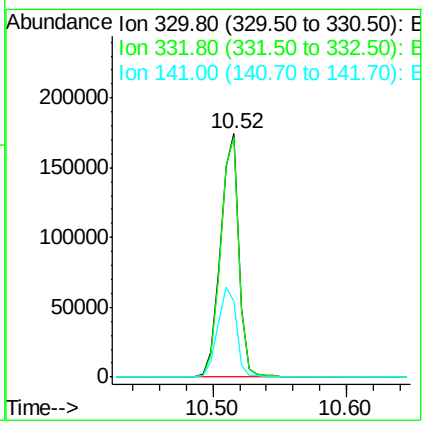
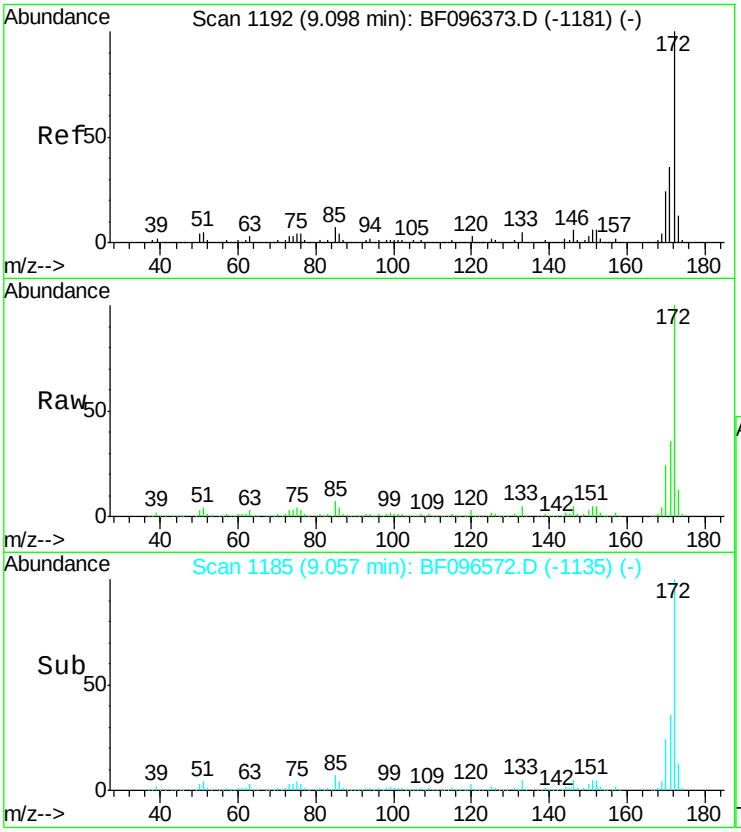



#41
2,4,6-Tribromophenol
Concen: 100.148 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:330 Resp: 169726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.8 | 76.6 | 115.0 |
| 141 | 37.8 | 31.4 | 47.2 |

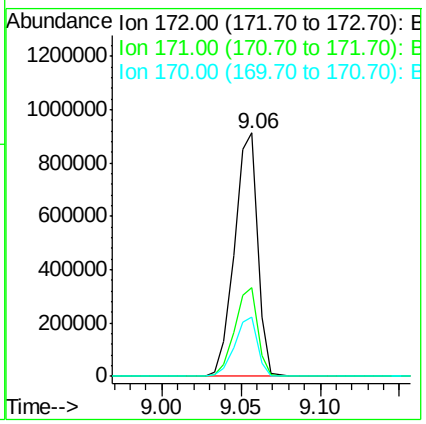





#44
2-Fluorobiphenyl
Concen: 72.865 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:172 Resp: 924634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.6 | 44.4 |
| 170 | 24.1 | 19.8 | 29.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

**Manual Integrations APPROVED**
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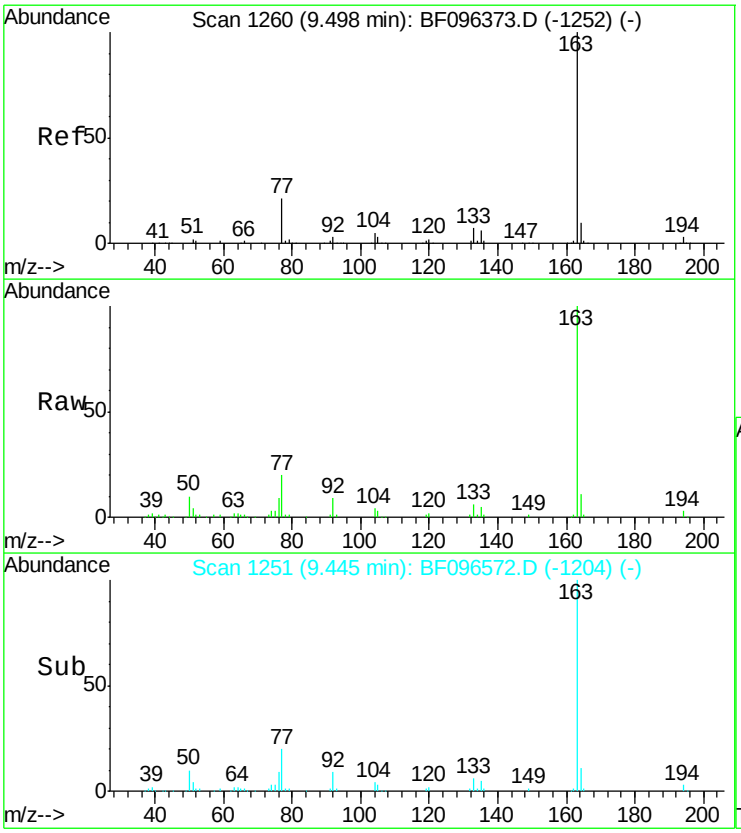
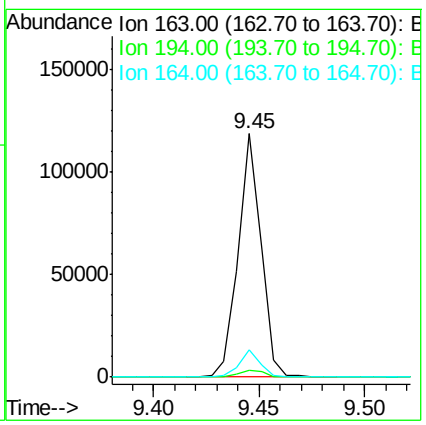
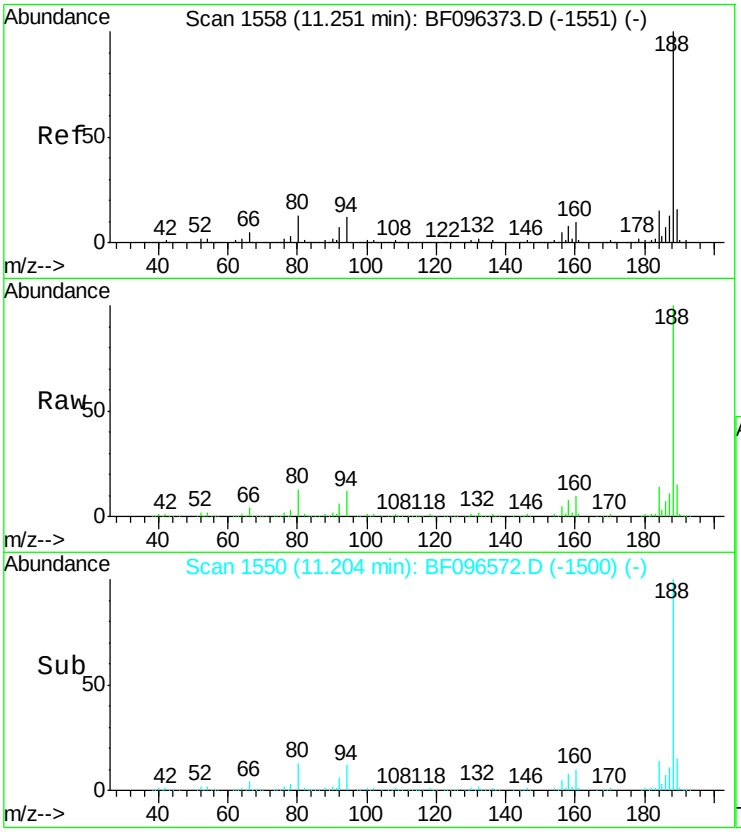



#49
Dimethylphthalate
Concen: 5.477 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:163 Resp: 88704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 2.9 | 2.6 | 4.0 |
| 164 | 11.2 | 8.4 | 12.6 |






#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:188 Resp: 356742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.0 | 9.4 | 14.2 |
| 80 | 12.6 | 10.2 | 15.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

**Manual Integrations APPROVED**
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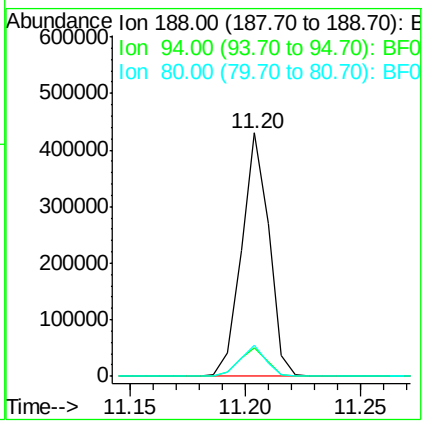
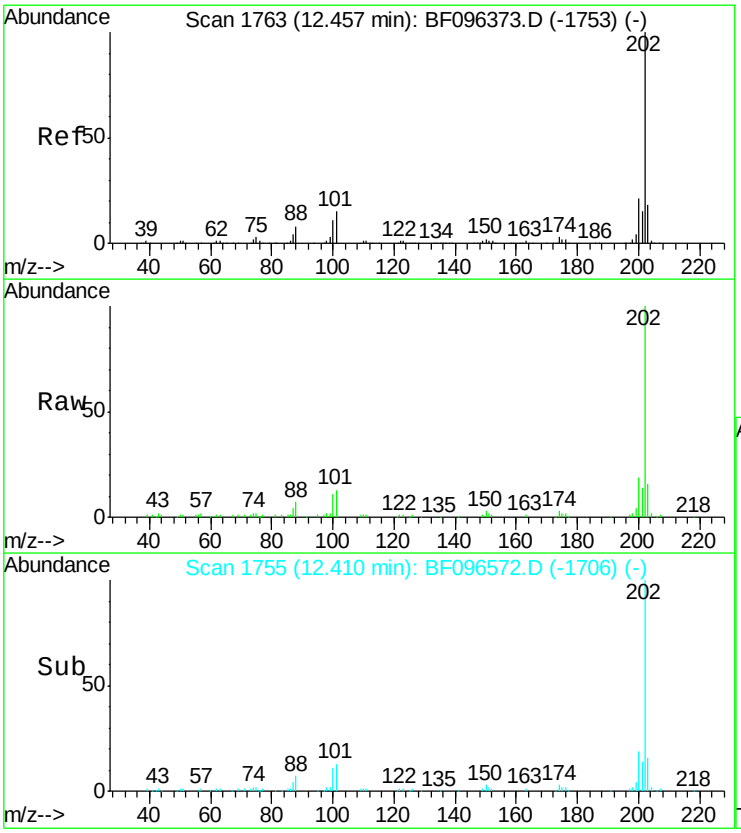
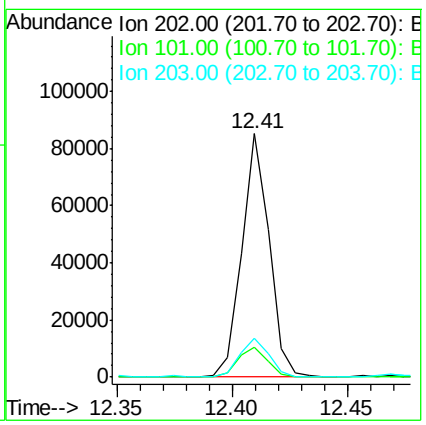


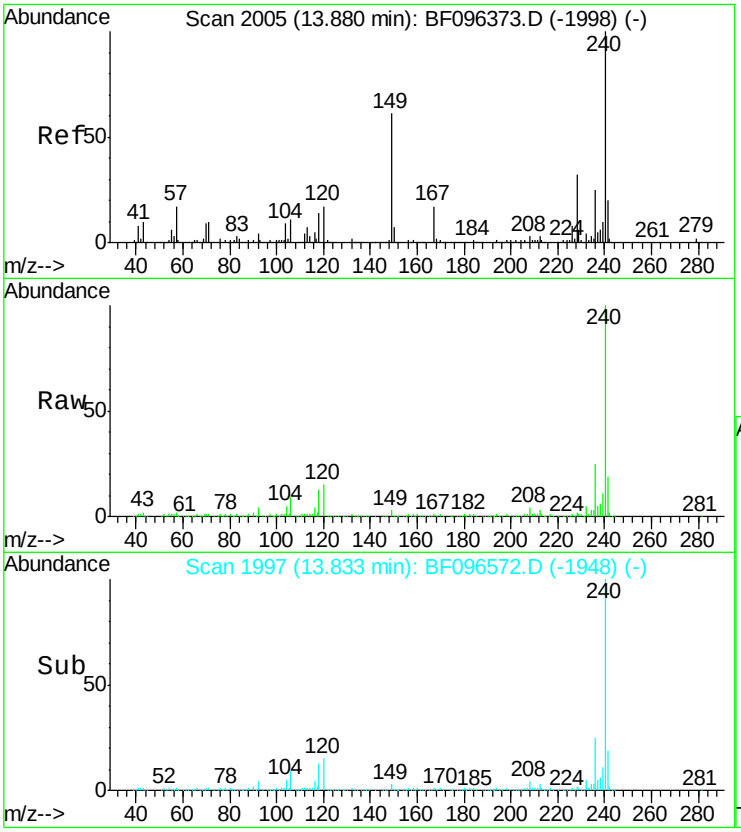




#74
Fluoranthene
Concen: 3.716 ng
RT: 12.41 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:202 Resp: 70255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 0.0 | 33.2 |
| 203 | 16.0 | 0.0 | 38.1 |

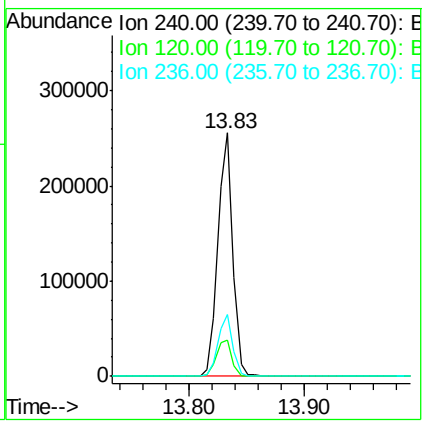





#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:240 Resp: 228982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.9 | 5.8 | 8.8# |
| 236 | 25.4 | 20.5 | 30.7 |

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**Manual Integrations APPROVED**
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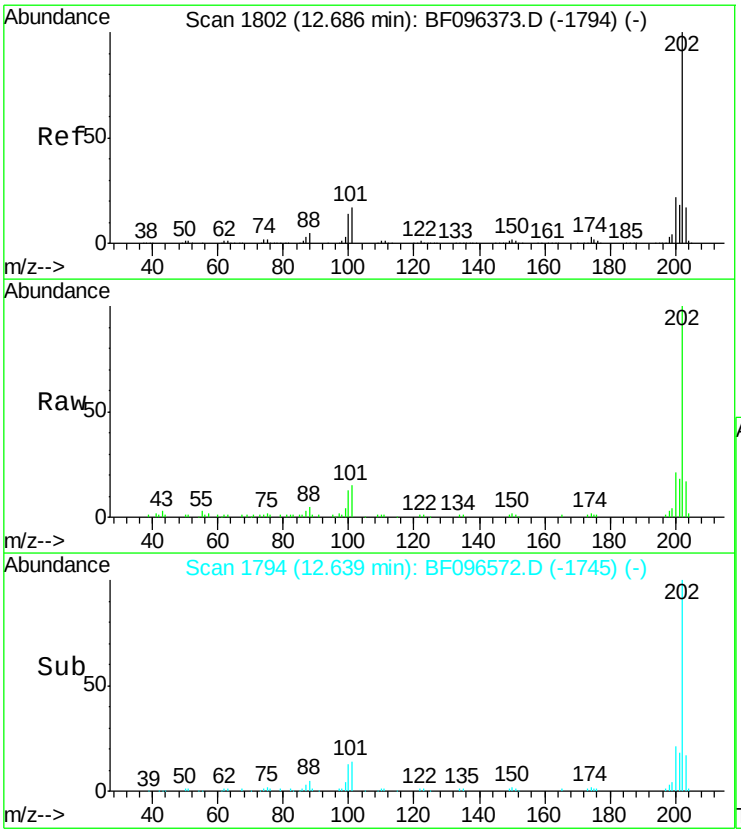
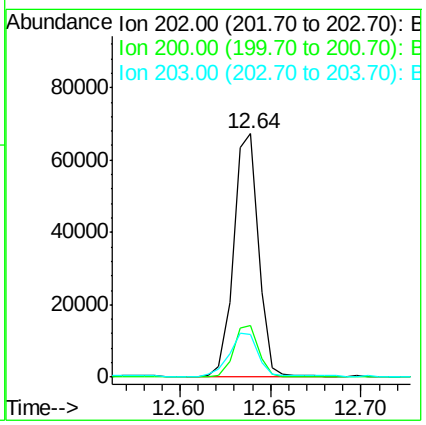
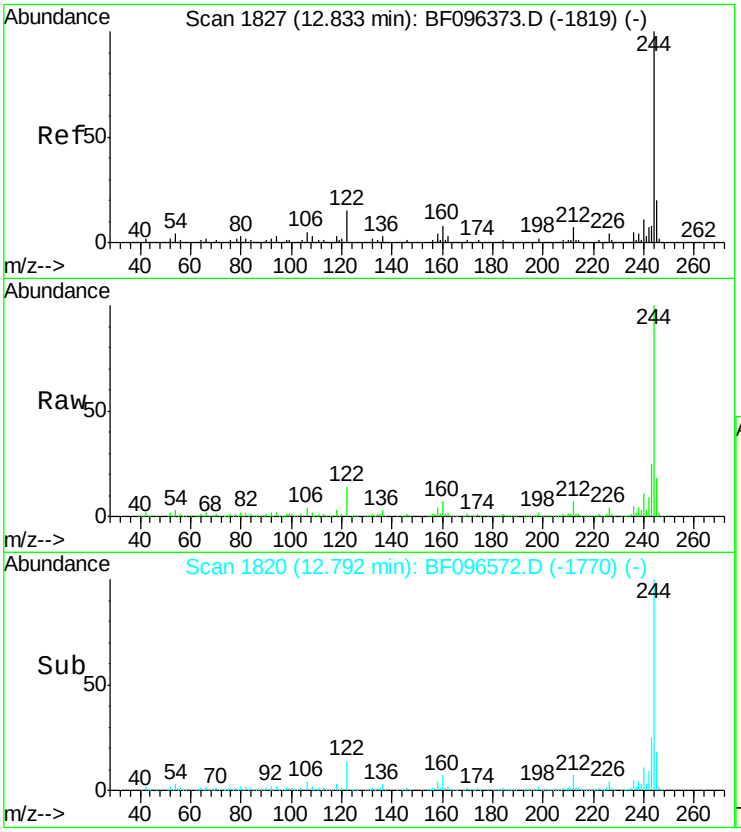



#77
Pyrene
Concen: 3.521 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:202 Resp: 64712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.6 | 26.4 |
| 203 | 17.5 | 14.4 | 21.6 |

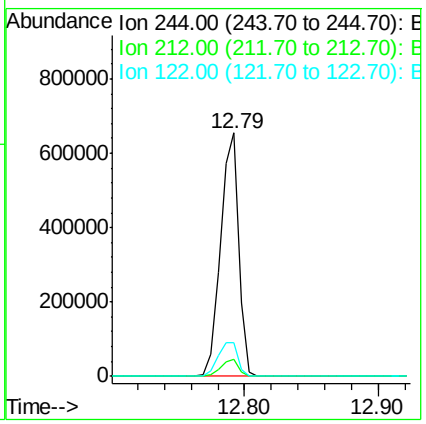





#78
Terphenyl-d14
Concen: 58.793 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:244 Resp: 630023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 6.0 | 9.0 |
| 122 | 13.9 | 10.3 | 15.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

**Manual Integrations APPROVED**
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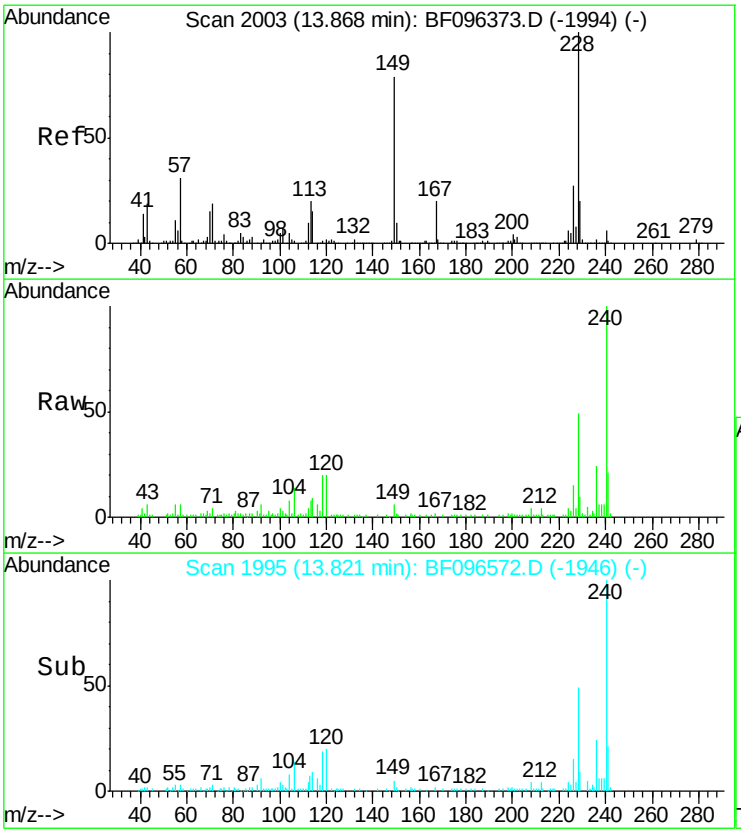
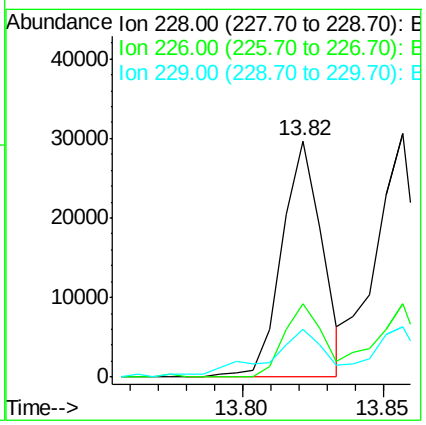
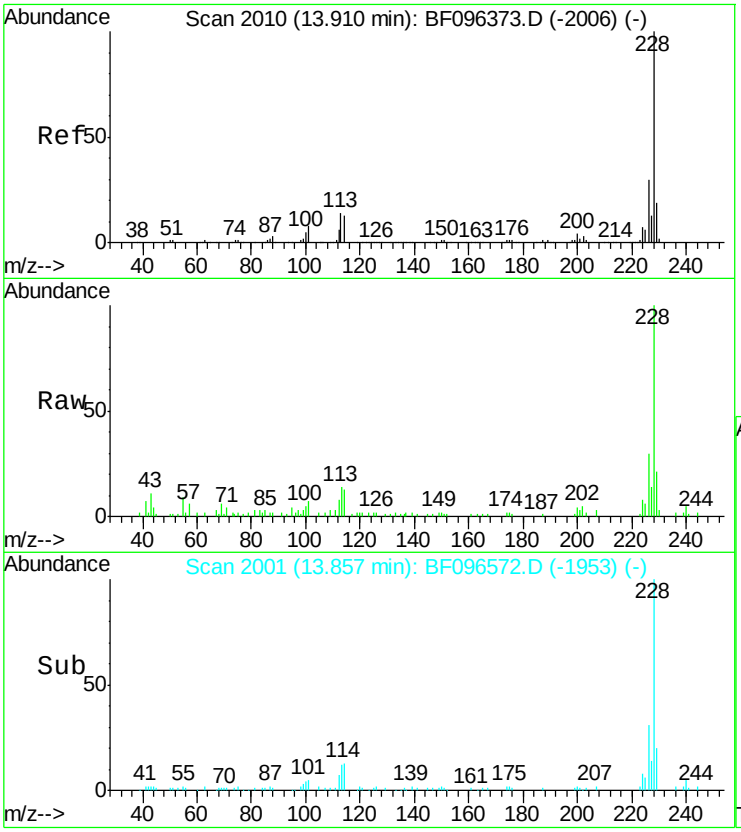



#80
Benzo(a)anthracene
Concen: 2.208 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:228 Resp: 29278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 22.6 | 33.8 |
| 229 | 20.3 | 16.3 | 24.5 |

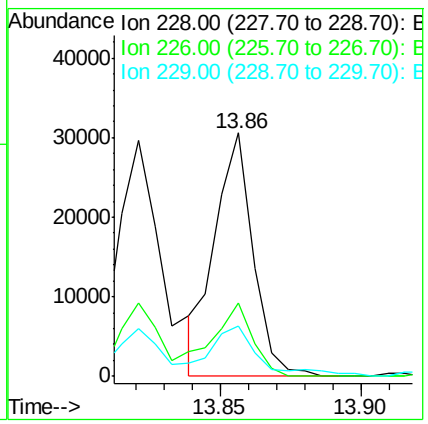





#82
Chrysene
Concen: 2.079 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

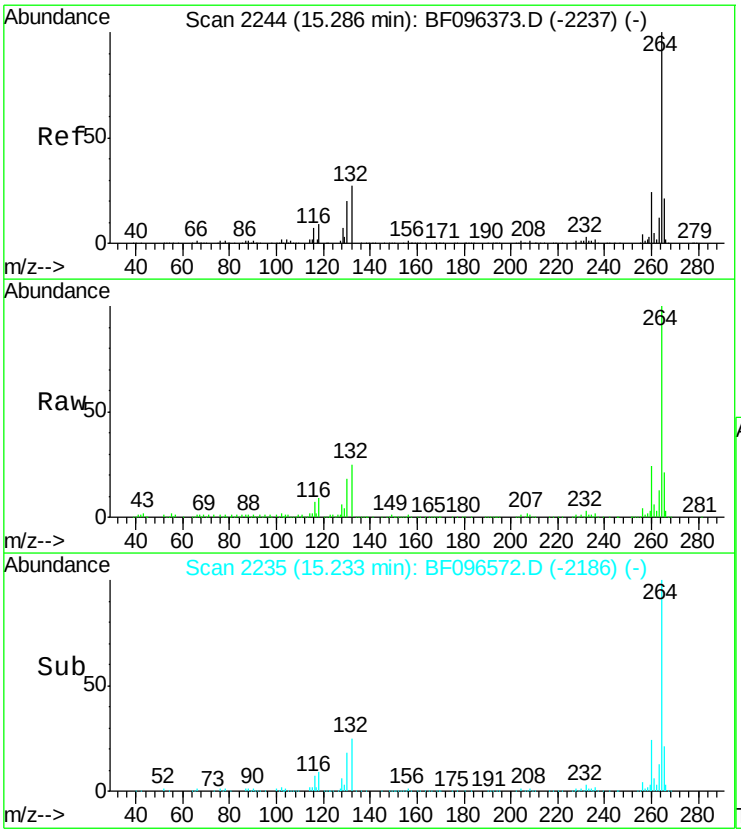
Tgt Ion:228 Resp: 28874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.9 | 37.3 |
| 229 | 20.5 | 15.8 | 23.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

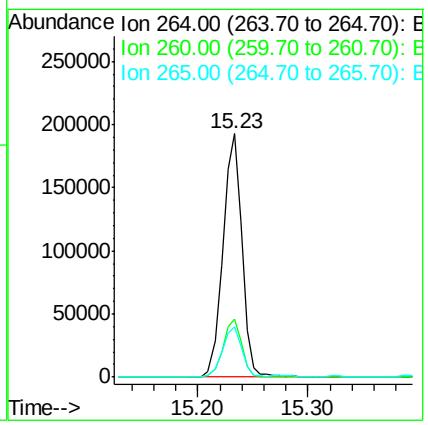
**Manual Integrations APPROVED**
mohammad
7/10/2017 2:22:34 PM

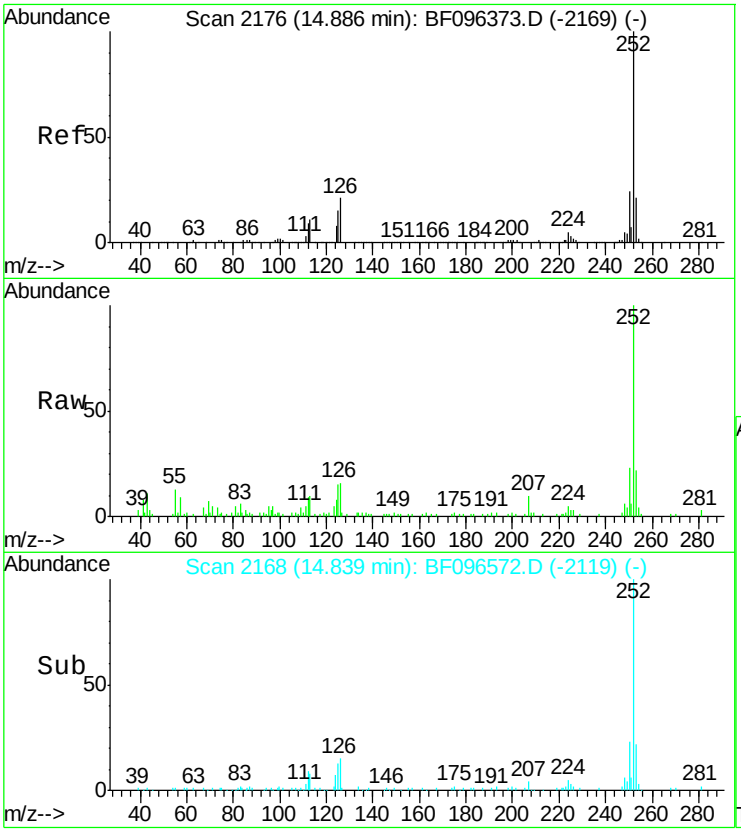



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:264 Resp: 231985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.5 | 29.3 |
| 265 | 20.6 | 17.2 | 25.8 |





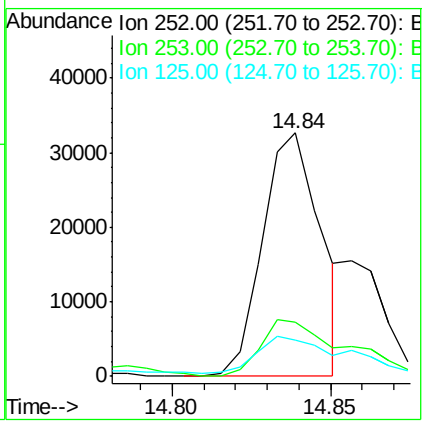

#87
Benzo(b)fluoranthene
Concen: 2.880 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

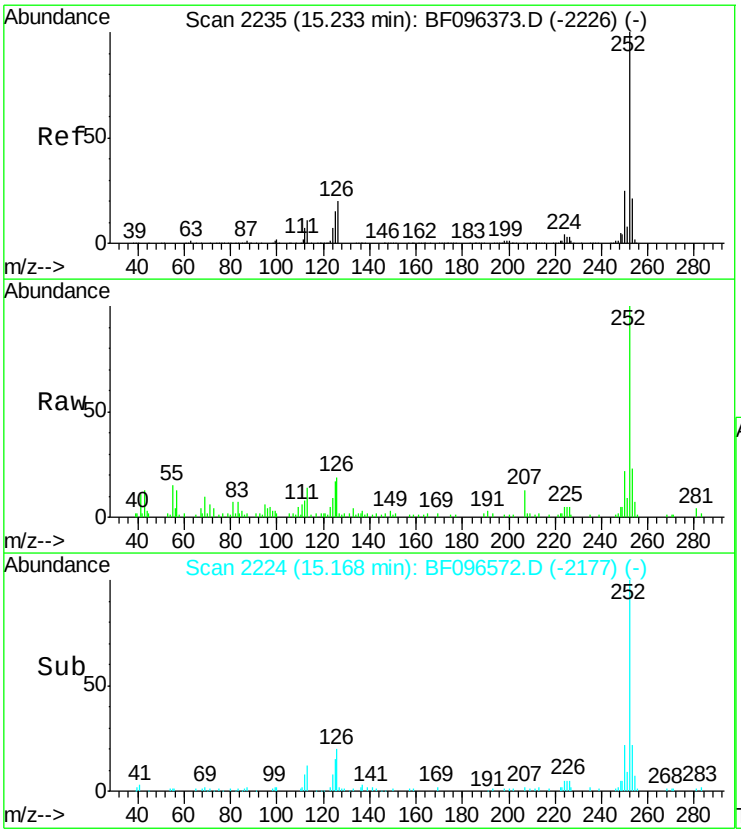
Tgt Ion:252 Resp: 41870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 18.1 | 27.1 |
| 125 | 15.1 | 9.8 | 14.8# |

**Instrument :**
BNA_F
**ClientSampleId :**
NB-01-070517-A

**Manual Integrations APPROVED**
mohammad
7/10/2017 2:22:34 PM




#89
Benzo(a)pyrene
Concen: 2.387 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:252 Resp: 30980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.5 | 26.3 |
| 125 | 17.3 | 11.0 | 16.4# |