Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089810.D
Acq On : 19 Aug 2016 21:47
Operator : UM/SJ
Sample : H4555-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SYSDIS-081916

**Manual Integrations APPROVED**
sohil
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Quant Time: Aug 22 10:06:00 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.68 | 152 | 569250 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.96 | 136 | 2076020 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.71 | 164 | 959468 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.19 | 188 | 1577017 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.83 | 240 | 1112739 | 20.00 | ng | | -0.05 |
| 86) Perylene-d12 | 15.26 | 264 | 1189752 | 20.00 | ng | | -0.11 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 1342745 | 40.45 | ng | | 0.03 |
| 7) Phenol-d6 | 6.32 | 99 | 230428m | 5.65 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 2842943 | 85.08 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.50 | 330 | 706456 | 77.48 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.05 | 172 | 4294357 | 78.66 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.78 | 244 | 2631377 | 53.50 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.25 | 88 | 38222 | 2.33 | ng | # | 87 |
| 6) Aniline | 6.35 | 93 | 6368334 | 116.51 | ng | | 100 |
| 8) 2-Chlorophenol | 6.47 | 128 | 686909 | 17.30 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 6.63 | 146 | 461279m | 11.12 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.71 | 146 | 4071426 | 95.44 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 5251323m | 131.88 | ng | | |
| 33) 4-Chloroaniline | 8.02 | 127 | 178577 | 4.25 | ng | # | 86 |
| 49) Dimethylphthalate | 9.44 | 163 | 222079 | 3.29 | ng | | 99 |

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

Quantitation Report (QT/LSC Reviewed)

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Data File : BF089810.D
Acq On : 19 Aug 2016 21:47
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Misc :
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**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

**Manual Integrations APPROVED**
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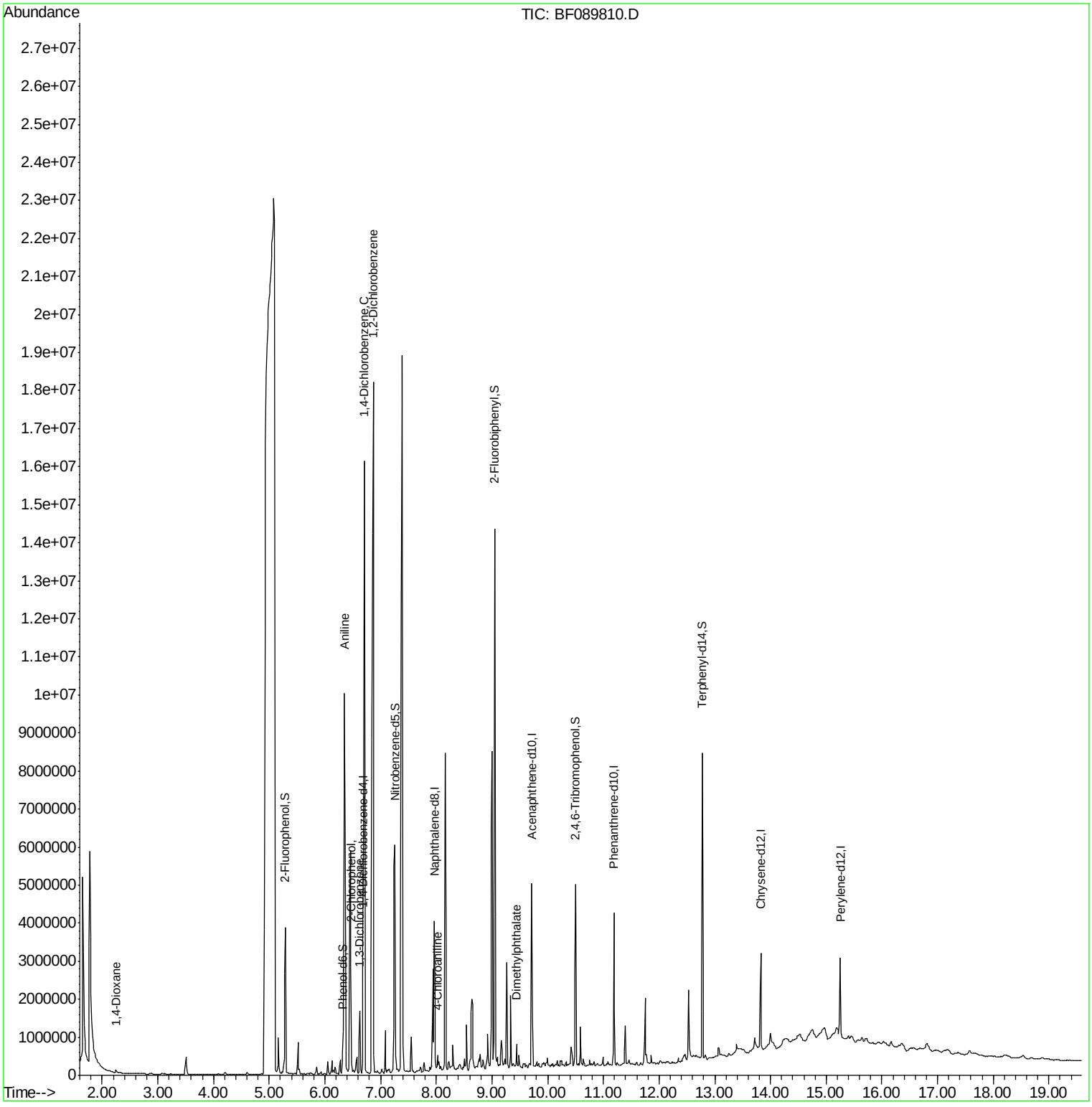
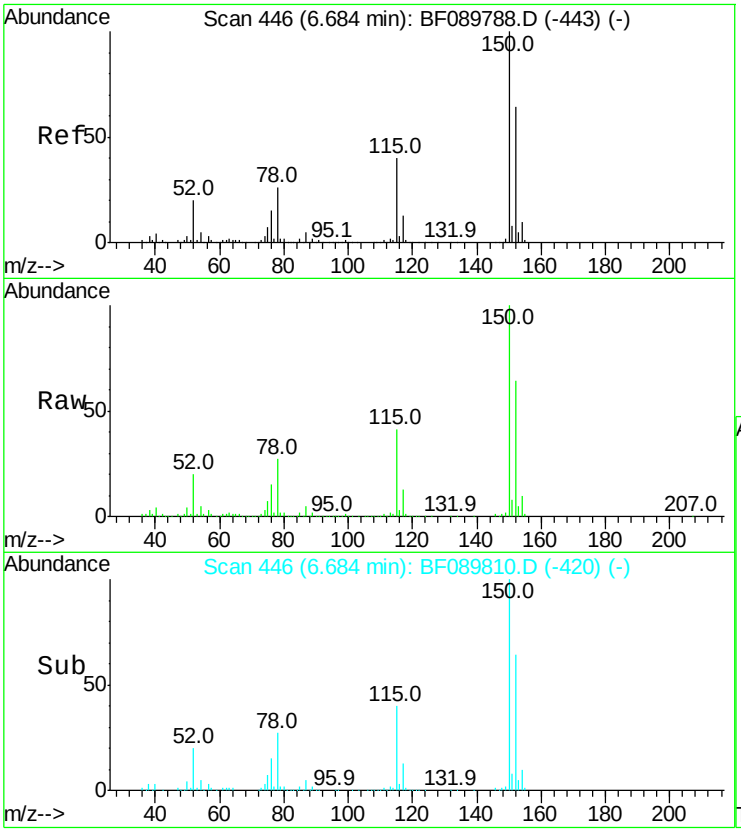
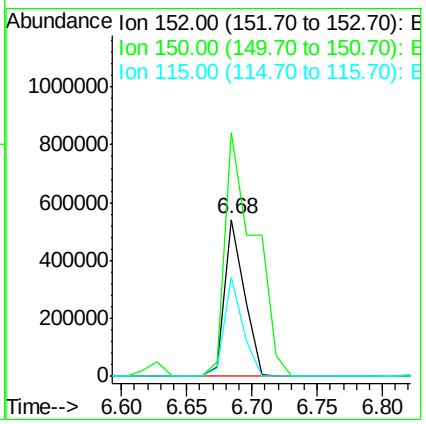





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:152 Resp: 569250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 125.3 | 187.9 |
| 115 | 63.0 | 40.9 | 61.3# |




**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

**Manual Integrations APPROVED**
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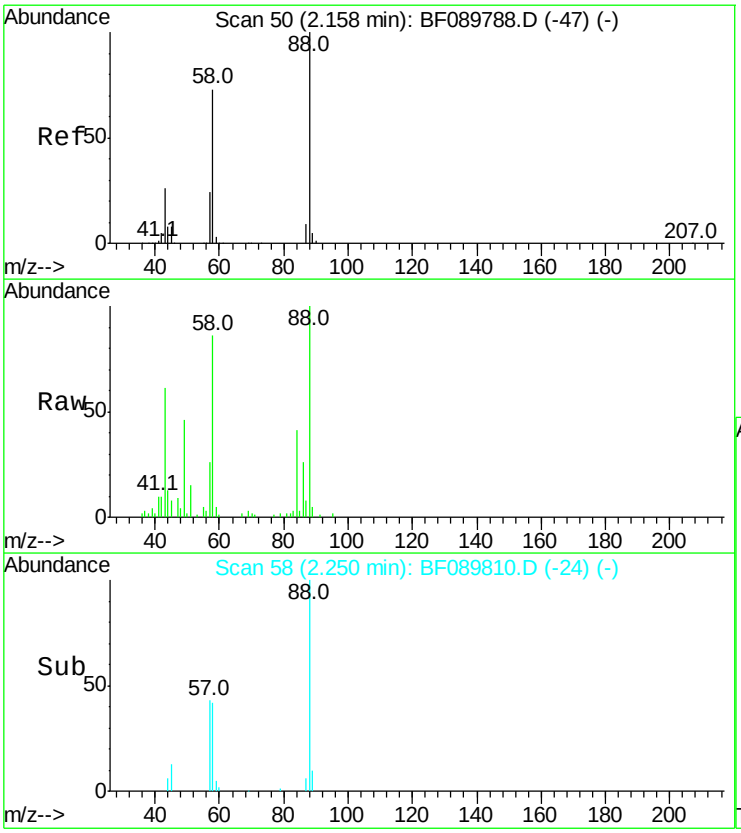
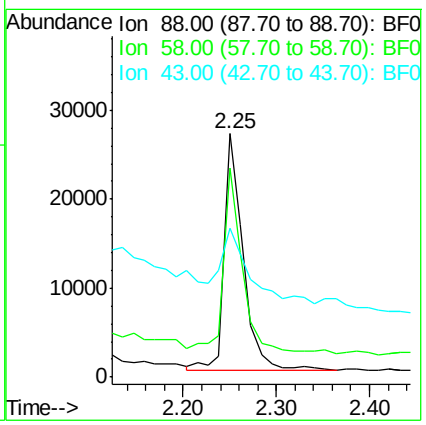
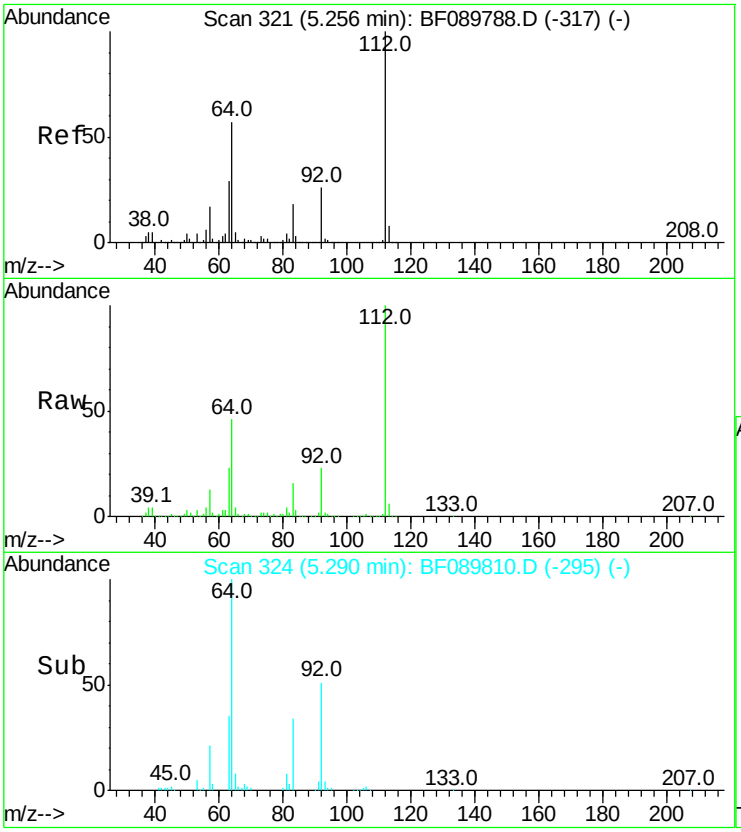



#2
1,4-Dioxane
Concen: 2.33 ng
RT: 2.25 min Scan# 58
Delta R.T. 0.09 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion: 88 Resp: 38222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.2 | 57.0 | 85.4 |
| 43 | 46.8 | 21.8 | 32.8# |

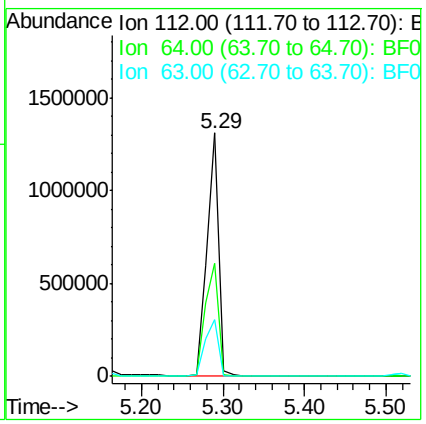





#5
2-Fluorophenol
Concen: 40.45 ng
RT: 5.29 min Scan# 324
Delta R.T. 0.03 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:112 Resp: 1342745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 46.3 | 45.0 | 67.4 |
| 63 | 23.3 | 23.1 | 34.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

**Manual Integrations APPROVED**
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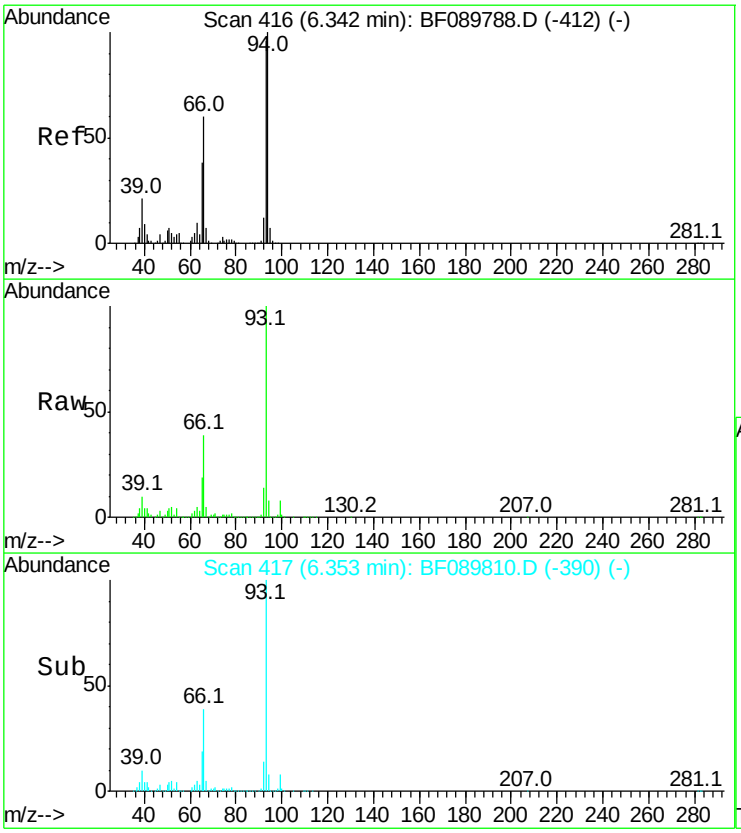
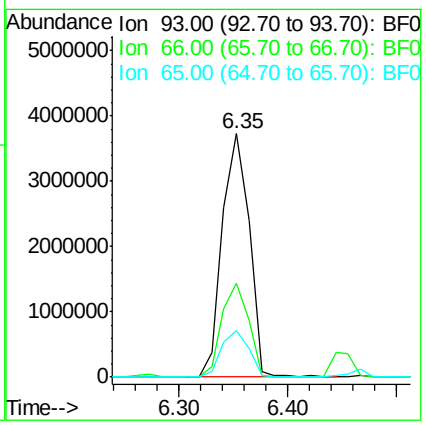
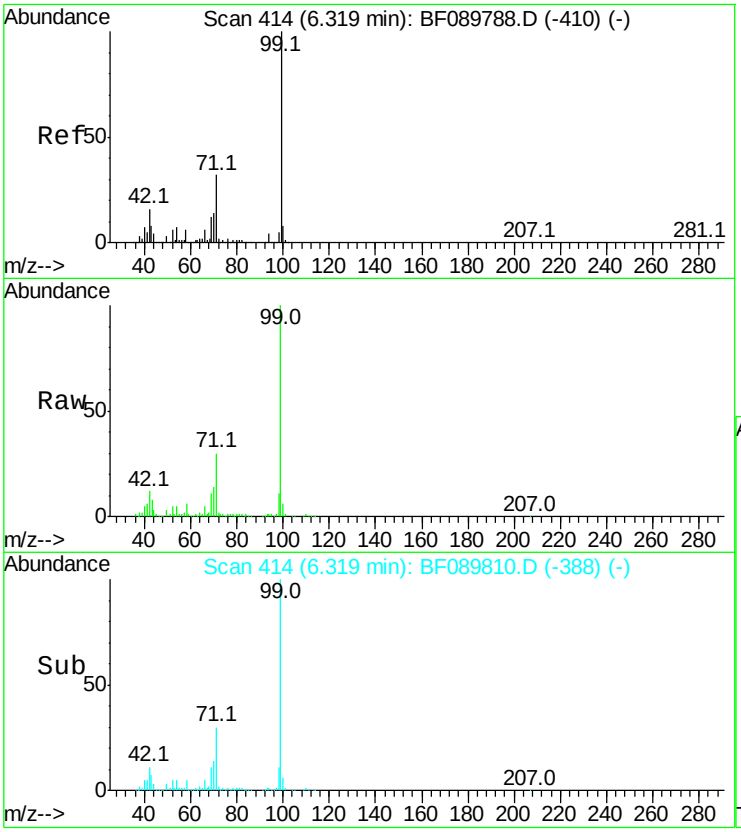



#6
Aniline
Concen: 116.51 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.01 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion: 93 Resp: 6368334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.7 | 30.6 | 46.0 |
| 65 | 19.4 | 15.4 | 23.2 |

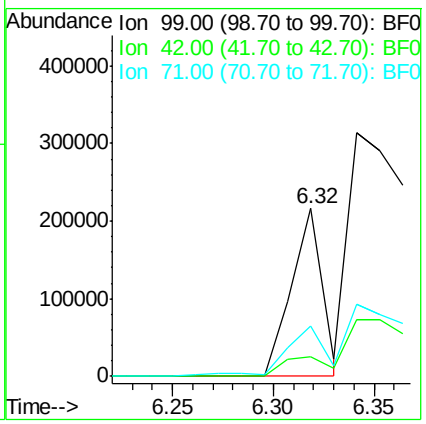





#7
Phenol-d6
Concen: 5.65 ng m
RT: 6.32 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion: 99 Resp: 230428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 11.6 | 12.2 | 18.4# |
| 71 | 30.3 | 23.8 | 35.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

**Manual Integrations APPROVED**
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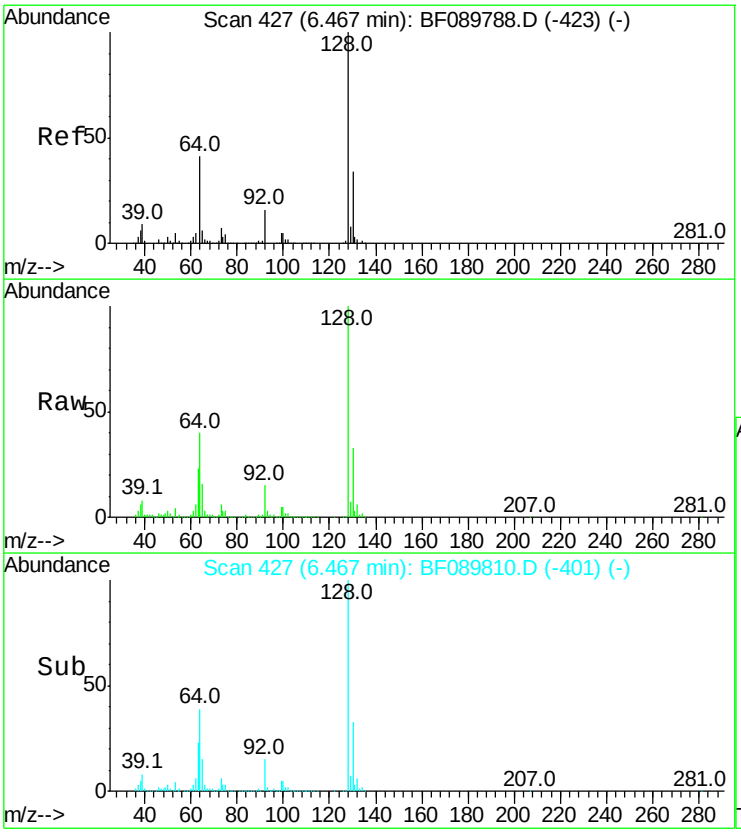
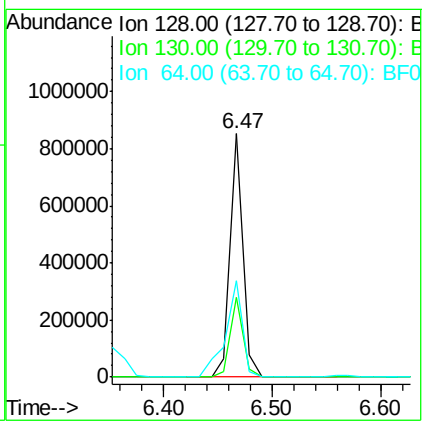
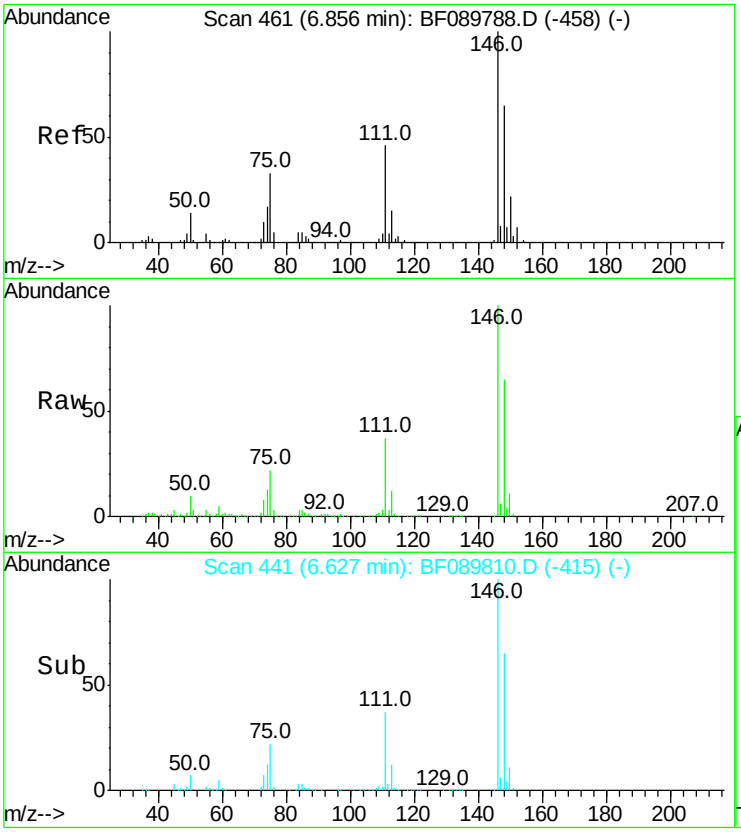



#8
2-Chlorophenol
Concen: 17.30 ng
RT: 6.47 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:128 Resp: 686909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.0 | 52.0 |
| 64 | 39.7 | 35.1 | 75.1 |

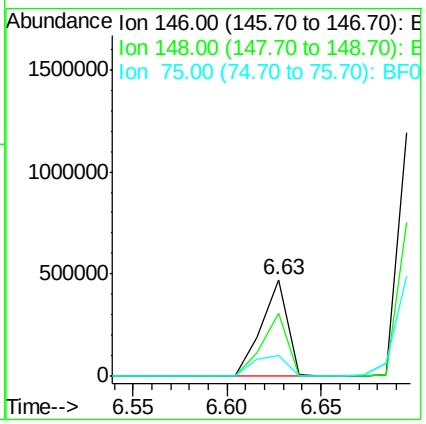





#12
1,3-Dichlorobenzene
Concen: 11.12 ng m
RT: 6.63 min Scan# 441
Delta R.T. -0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:146 Resp: 461279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.4 | 51.0 | 76.4 |
| 75 | 22.2 | 27.0 | 40.6# |




**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

**Manual Integrations APPROVED**
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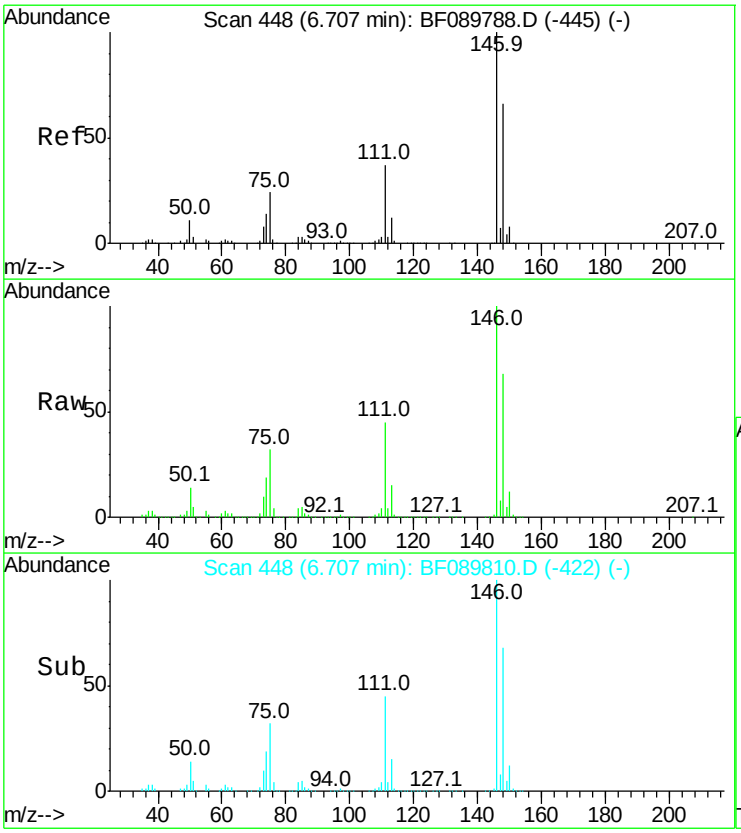
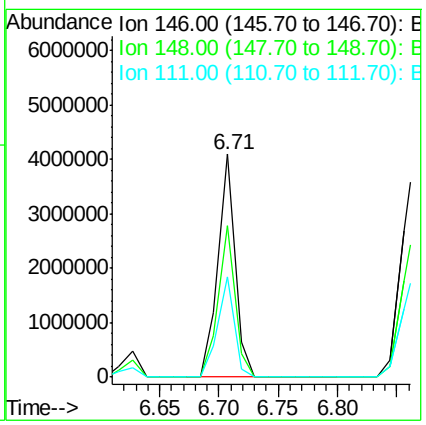
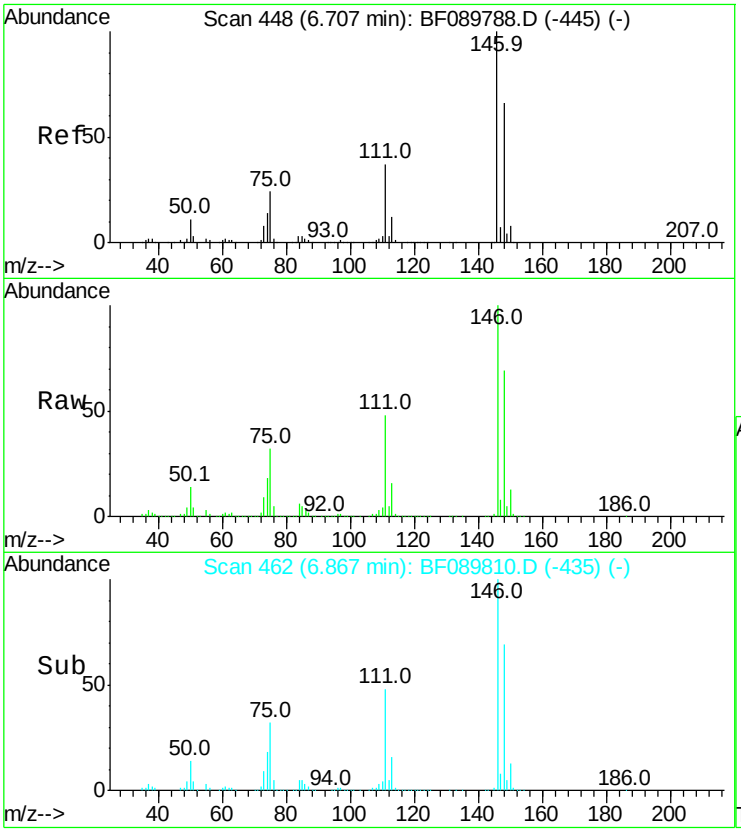



#13
1,4-Dichlorobenzene
Concen: 95.44 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:146 Resp: 4071426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 67.9 | 51.0 | 76.6 |
| 111 | 45.1 | 34.6 | 52.0 |

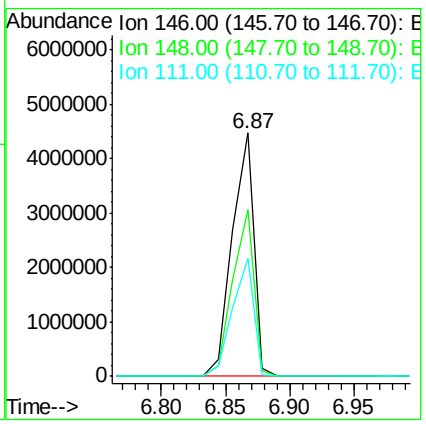





#14
1,2-Dichlorobenzene
Concen: 131.88 ng m
RT: 6.87 min Scan# 462
Delta R.T. 0.01 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:146 Resp: 5251323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 68.7 | 52.2 | 78.2 |
| 111 | 48.5 | 29.8 | 44.6# |




**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

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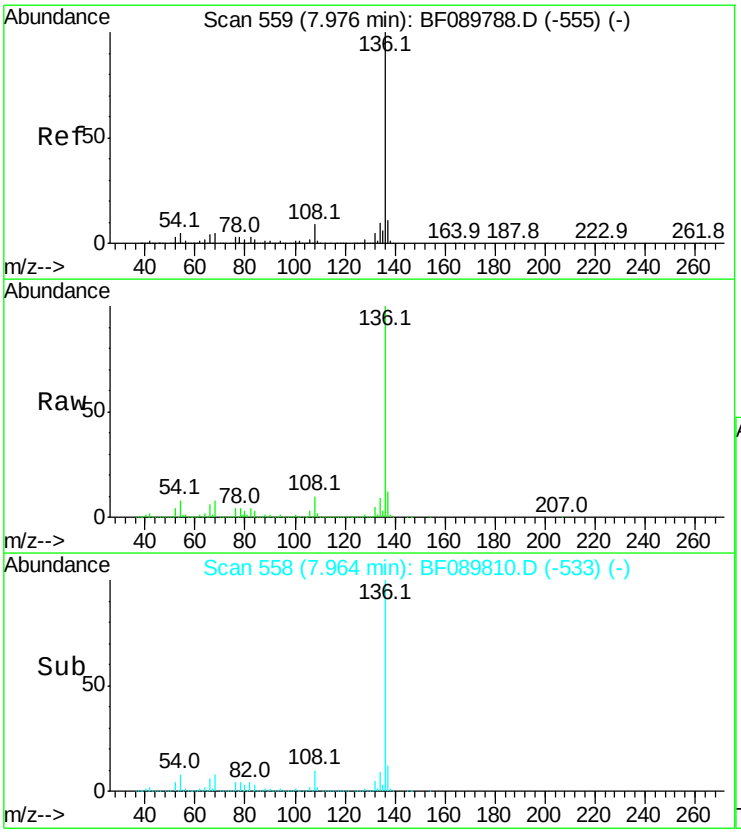
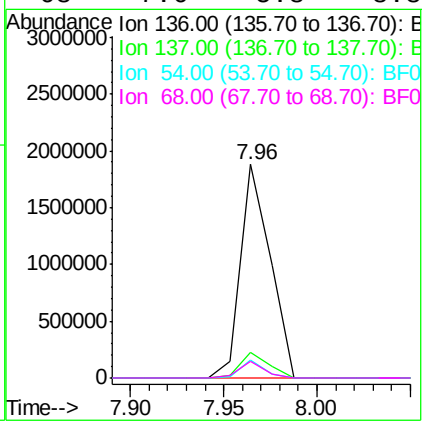
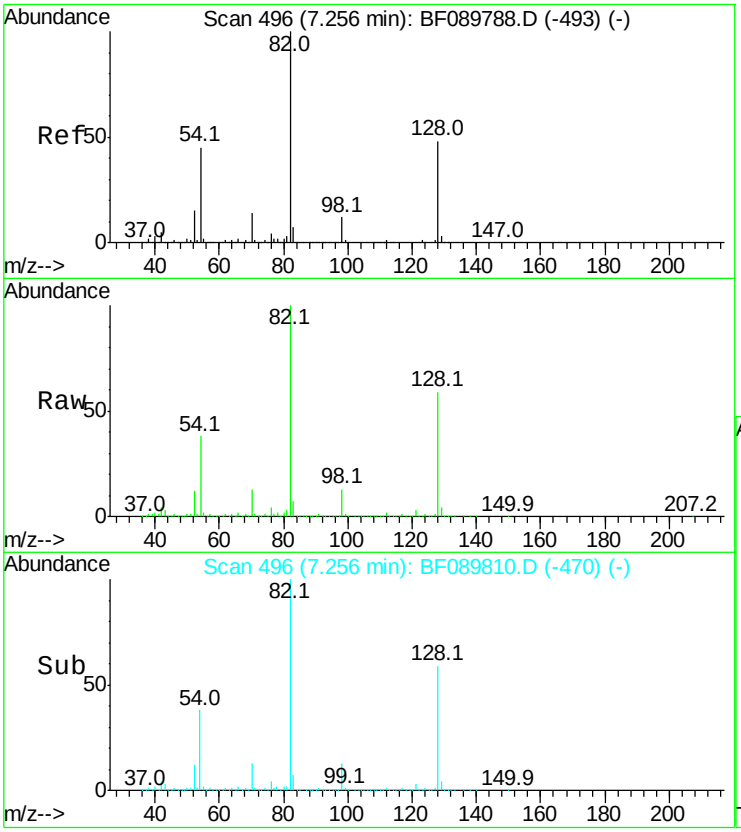



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:136 Resp: 2076020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.9 | 9.2 | 13.8 |
| 54 | 8.4 | 7.2 | 10.8 |
| 68 | 7.6 | 5.8 | 8.8 |

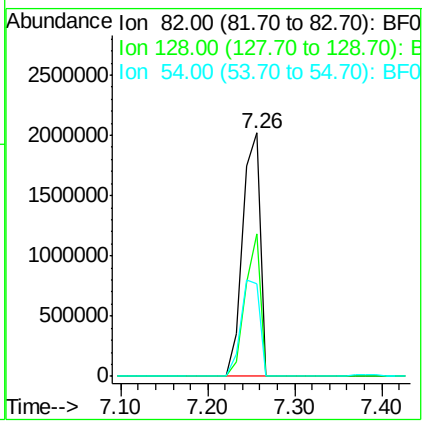





#23
Nitrobenzene-d5
Concen: 85.08 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion: 82 Resp: 2842943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 58.8 | 34.4 | 51.6# |
| 54 | 38.2 | 40.3 | 60.5# |




**Instrument :**
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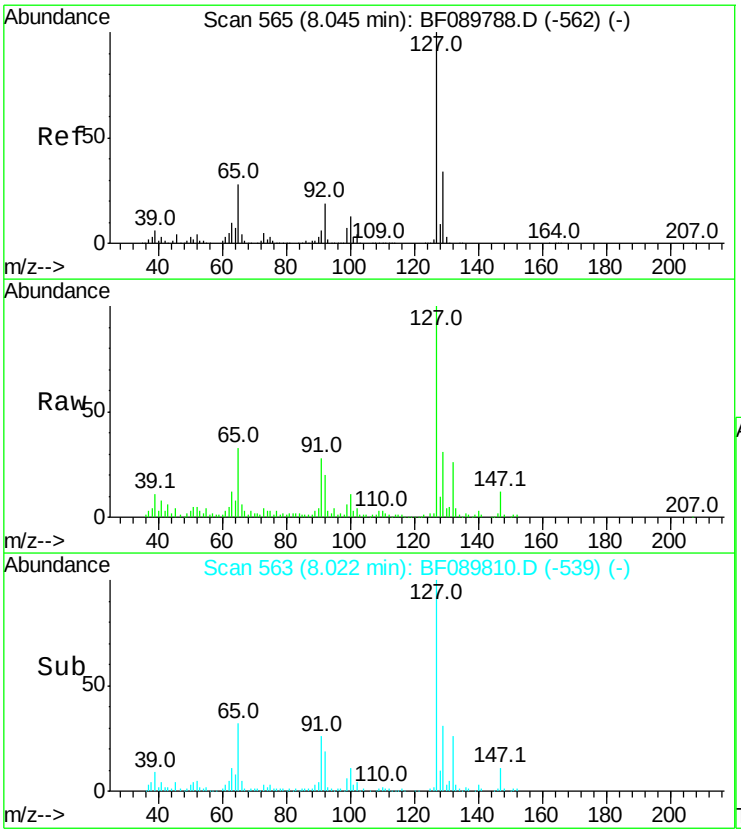
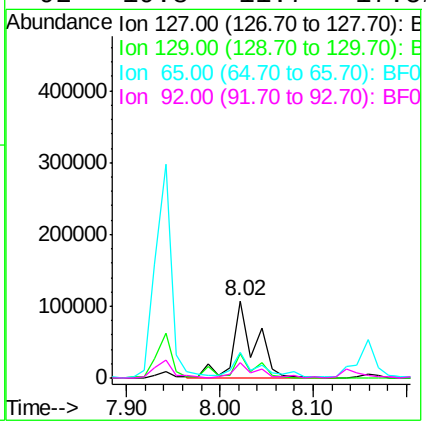
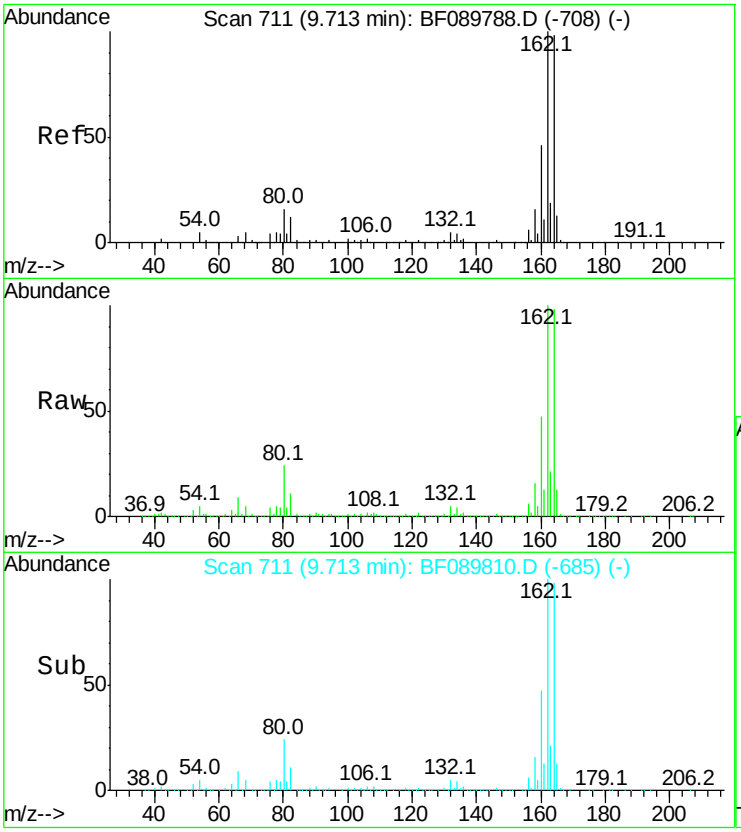



#33
4-Chloroaniline
Concen: 4.25 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.02 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:127 Resp: 178577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.1 | 27.0 | 40.6 |
| 65 | 32.7 | 14.7 | 22.1# |
| 92 | 19.8 | 11.7 | 17.5# |

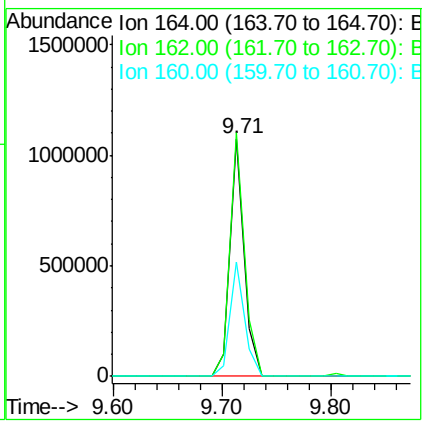





#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:164 Resp: 959468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 81.4 | 122.2 |
| 160 | 48.1 | 37.8 | 56.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

**Manual Integrations APPROVED**
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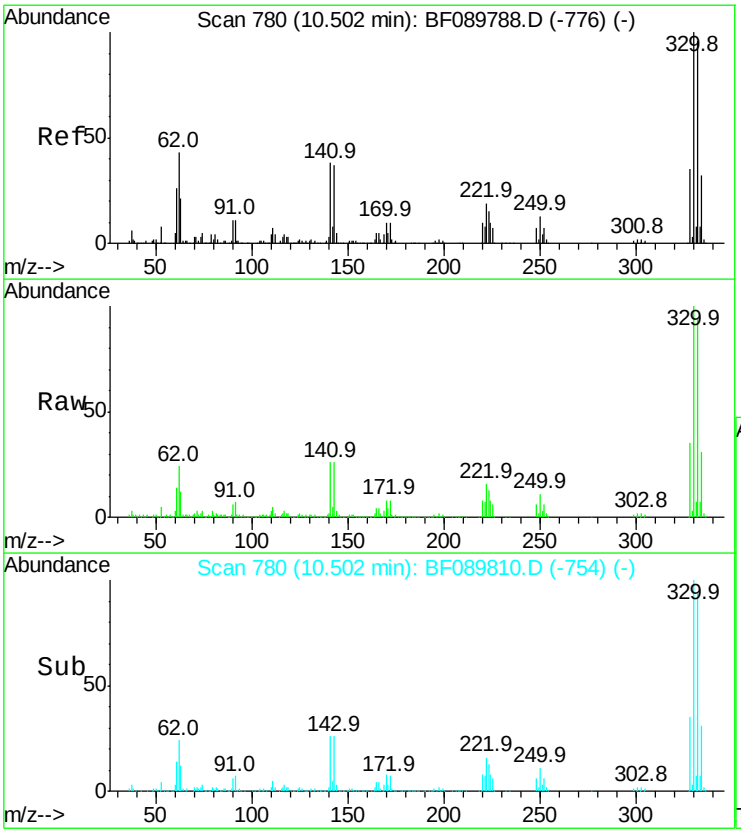
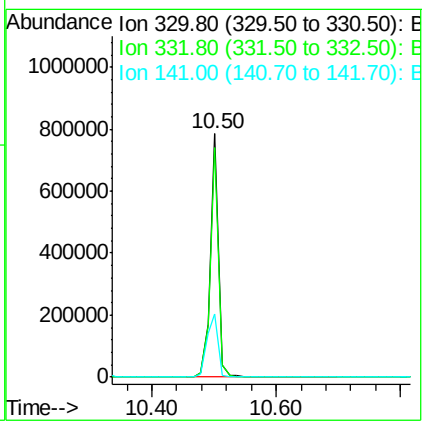
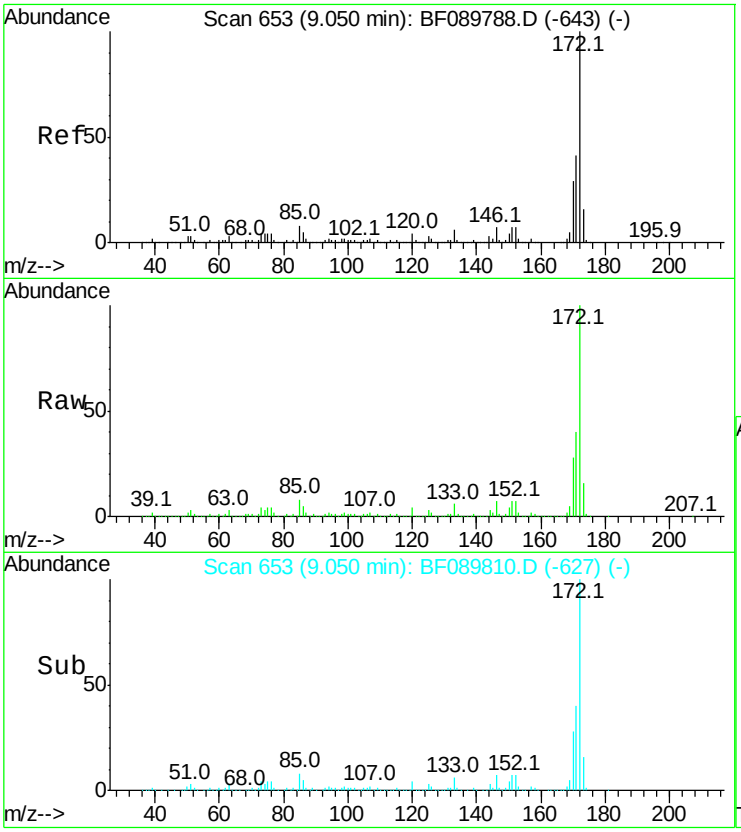



#41
2,4,6-Tribromophenol
Concen: 77.48 ng
RT: 10.50 min Scan# 780
Delta R.T. -0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:330 Resp: 706456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.0 | 76.7 | 115.1 |
| 141 | 35.3 | 30.2 | 45.2 |

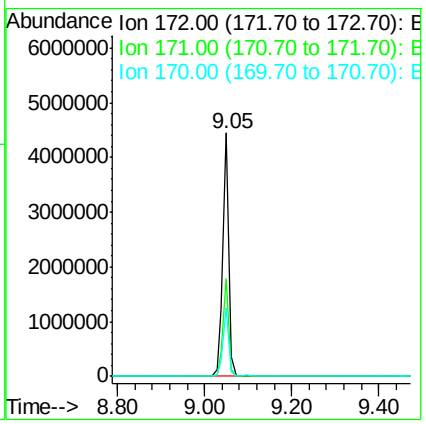





#44
2-Fluorobiphenyl
Concen: 78.66 ng
RT: 9.05 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:172 Resp: 4294357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 40.1 | 30.5 | 45.7 |
| 170 | 28.2 | 20.6 | 31.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

**Manual Integrations APPROVED**
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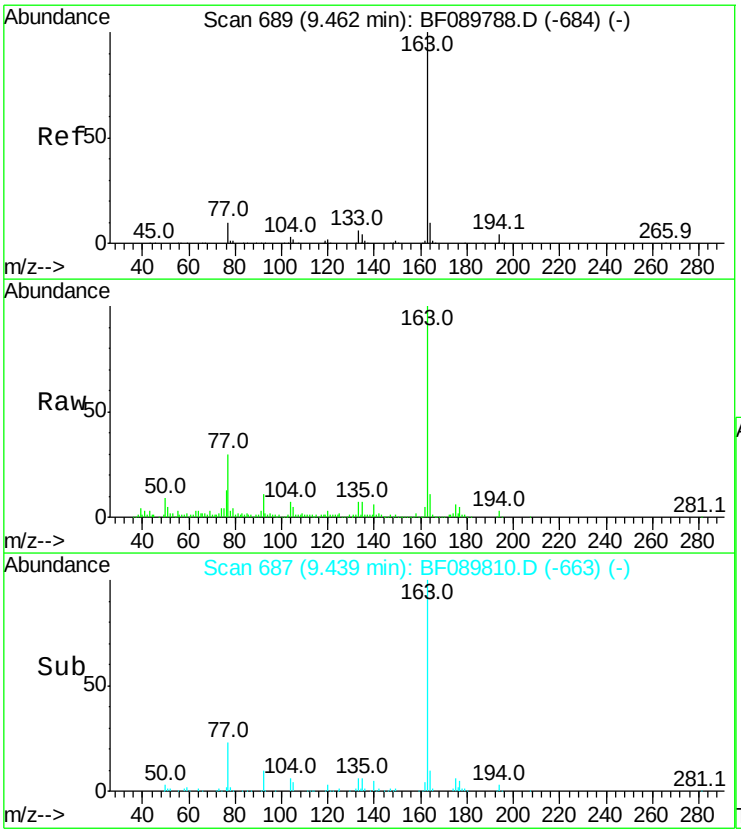
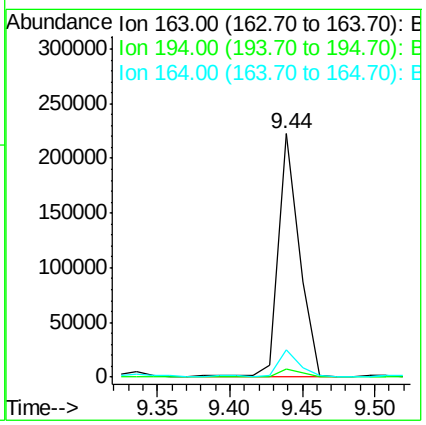
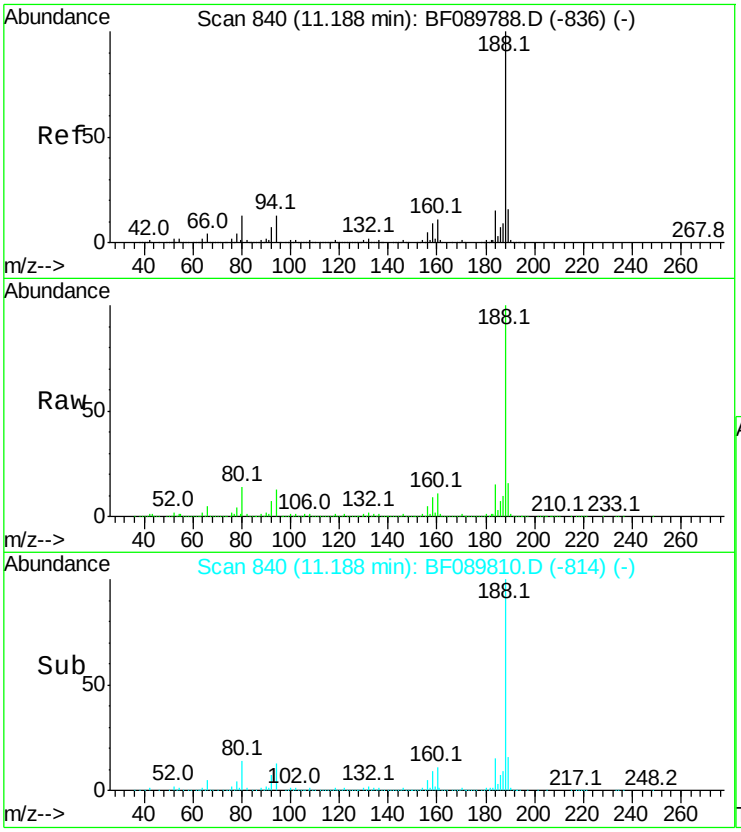



#49
Dimethylphthalate
Concen: 3.29 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:163 Resp: 222079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 2.6 | 3.8 |
| 164 | 11.0 | 8.6 | 12.8 |

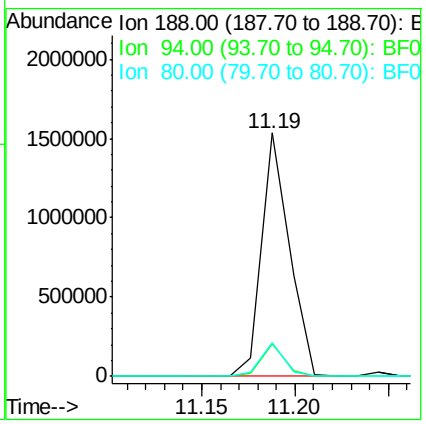





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

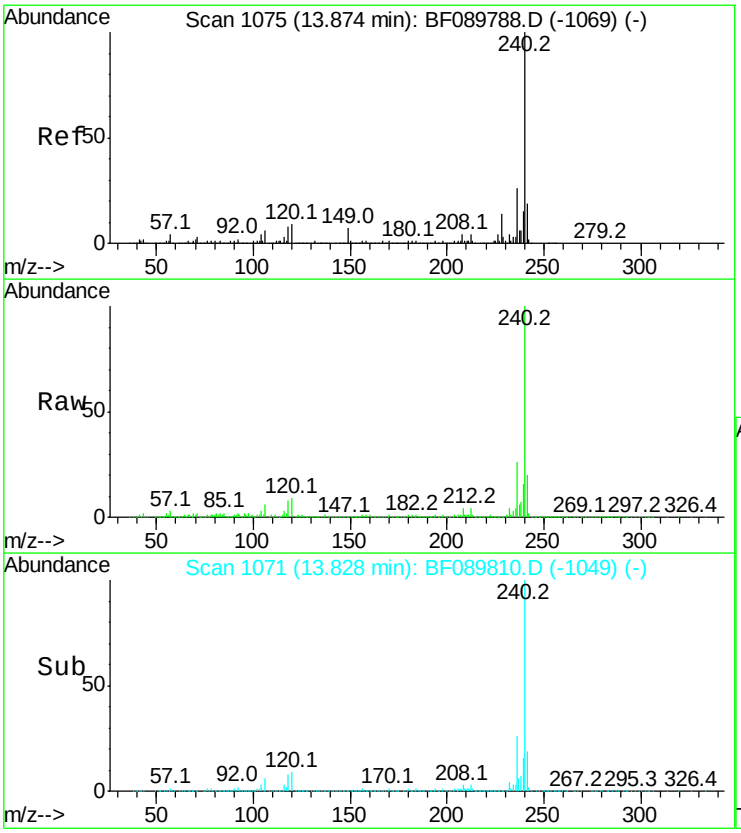
Tgt Ion:188 Resp: 1577017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.3 | 10.2 | 15.2 |
| 80 | 14.0 | 10.9 | 16.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

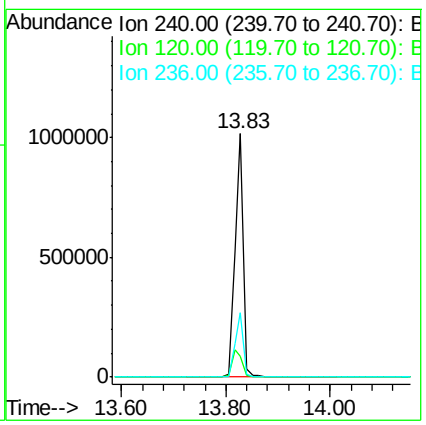
**Manual Integrations APPROVED**
sohil
8/22/2016 3:48:18 PM

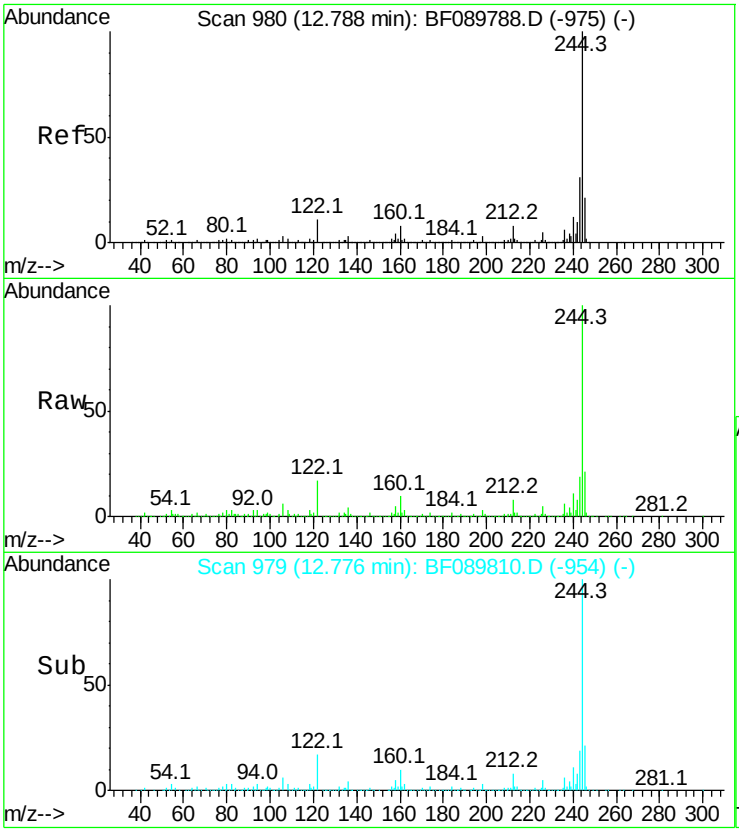



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.05 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:240 Resp: 1112739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 8.3 | 12.5 |
| 236 | 26.5 | 21.3 | 31.9 |

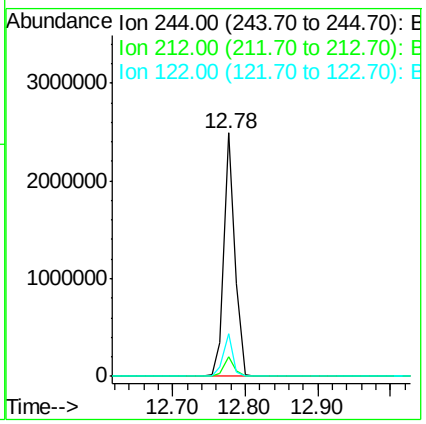





#78
Terphenyl-d14
Concen: 53.50 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

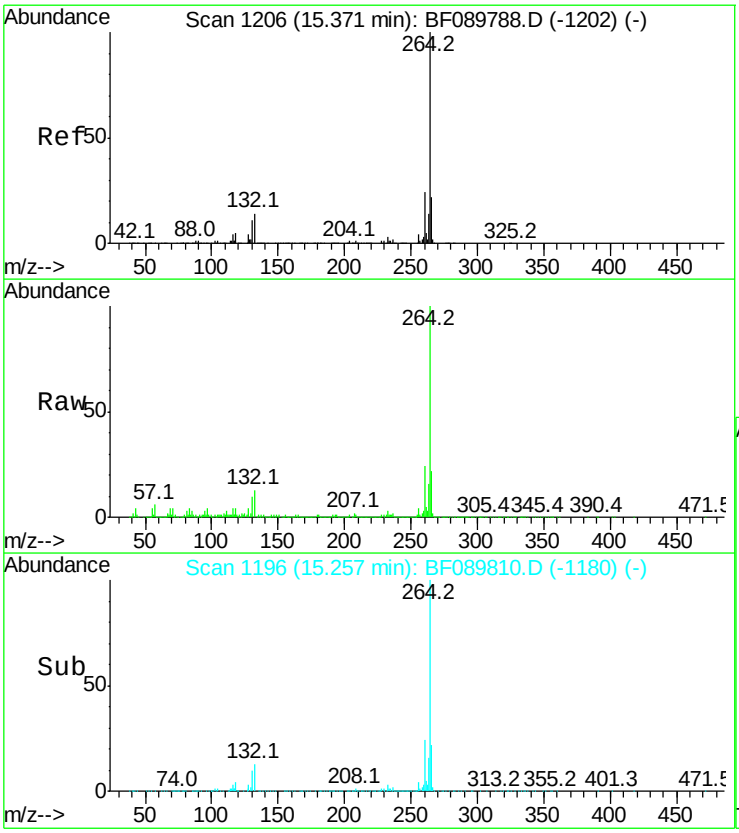
Tgt Ion:244 Resp: 2631377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.2 | 6.3 | 9.5 |
| 122 | 17.5 | 12.0 | 18.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SYSDIS-081916

**Manual Integrations APPROVED**
sohil
8/22/2016 3:48:18 PM




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 1196
Delta R.T. -0.11 min
Lab File: BF089810.D
Acq: 19 Aug 2016 21:47

Tgt Ion:264 Resp: 1189752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 20.2 | 30.2 |
| 265 | 22.1 | 17.4 | 26.2 |