Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111368.D
Acq On : 13 Dec 2018 14:01
Operator : JU/SJ
Sample : J6334-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B2-121018DL

Manual Integrations APPROVED
Sohil
12/14/2018 12:53:14 PM

Quant Time: Dec 13 16:56:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 170839 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 711354 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.83 | 164 | 380789 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.31 | 188 | 732689 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.94 | 240 | 553302 | 20.00 | ng | -0.01 |
| 87) Perylene-d12 | 15.39 | 264 | 431284 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.40 | 112 | 146959 | 14.55 | ng | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 123649 | 9.08 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 268653 | 21.29 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 118212 | 35.22 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.15 | 172 | 548774 | 23.14 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.90 | 244 | 661099 | 26.30 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Aniline | 6.45 | 93 | 119542m | 7.254 | ng | |
| 31) Naphthalene | 8.10 | 128 | 2086447 | 62.954 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 853386 | 39.832 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.89 | 142 | 424726m | 20.540 | ng | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111368.D
Acq On : 13 Dec 2018 14:01
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Misc :
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QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
B2-121018DL

**Manual Integrations APPROVED**
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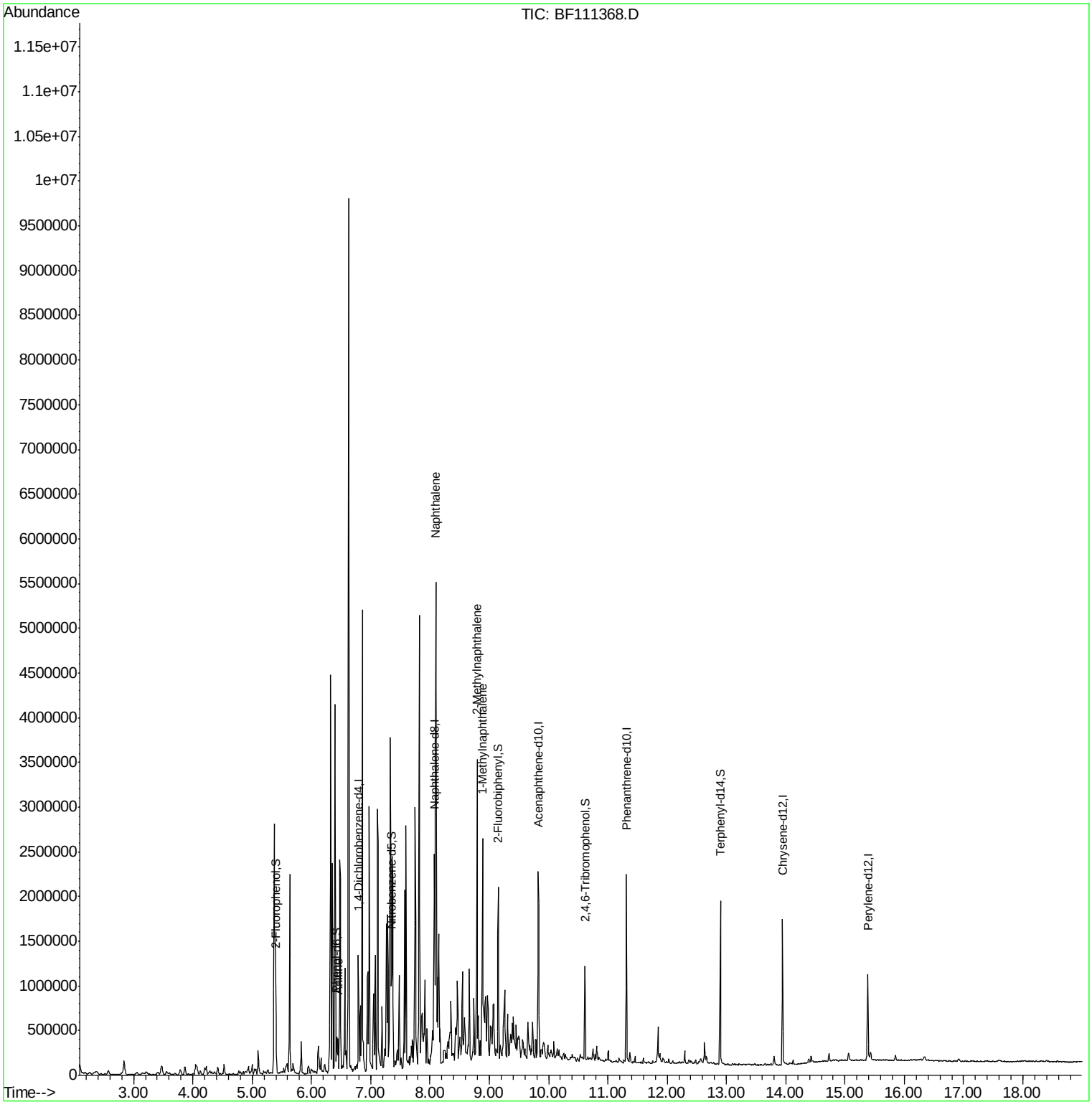
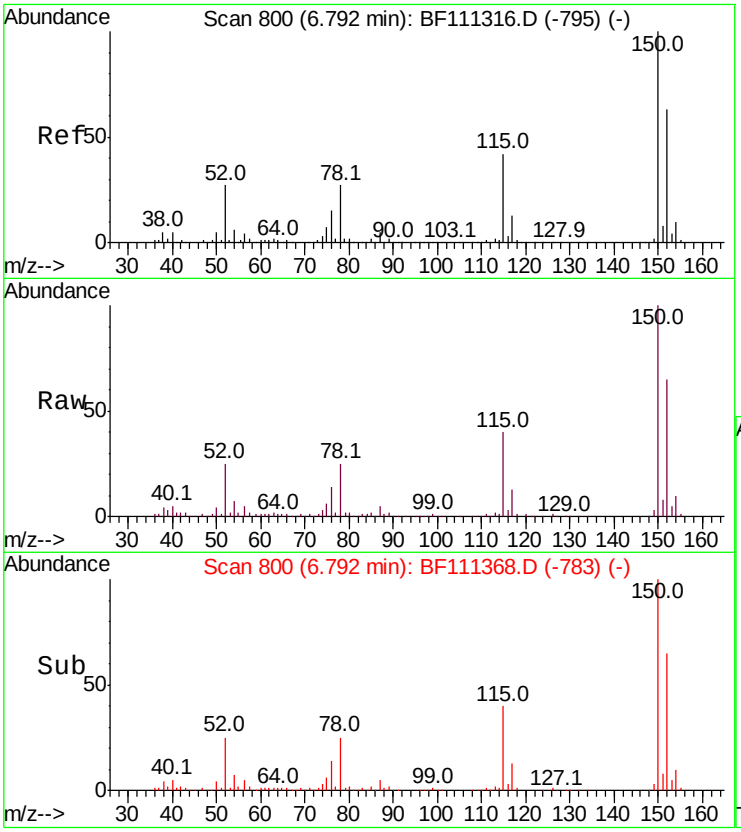
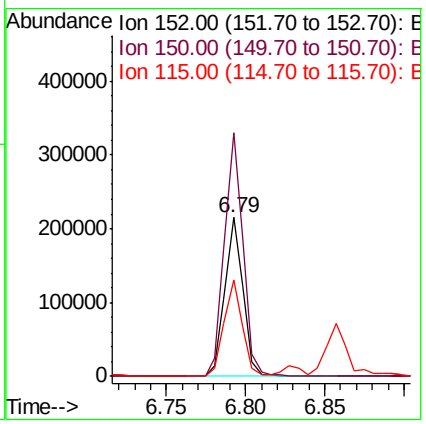





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:152 Resp: 170839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.4 | 126.6 | 189.8 |
| 115 | 60.7 | 50.7 | 76.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
B2-121018DL

**Manual Integrations APPROVED**
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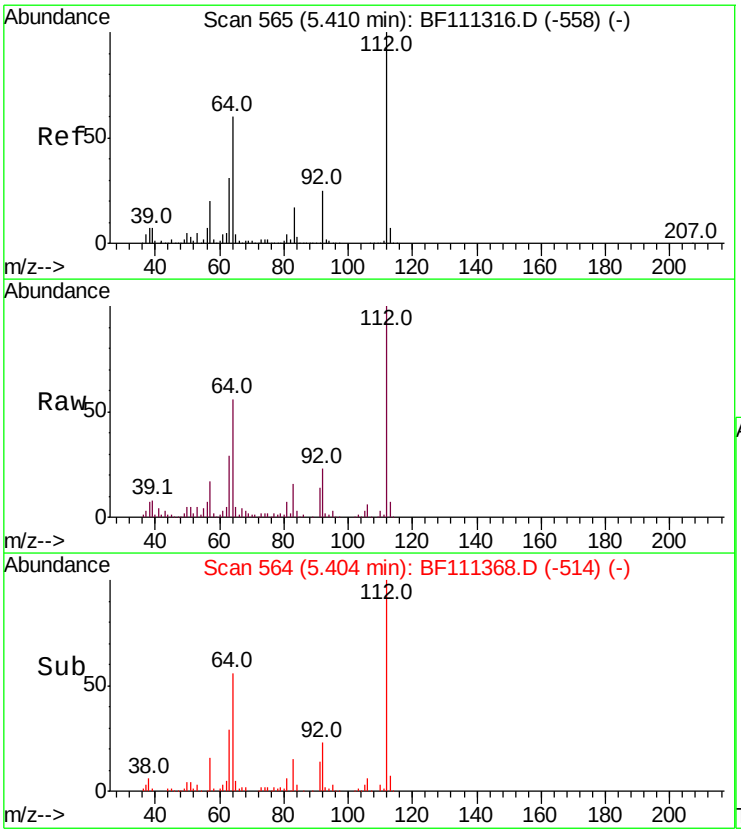
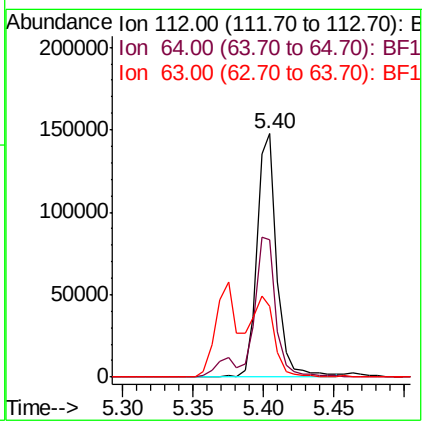
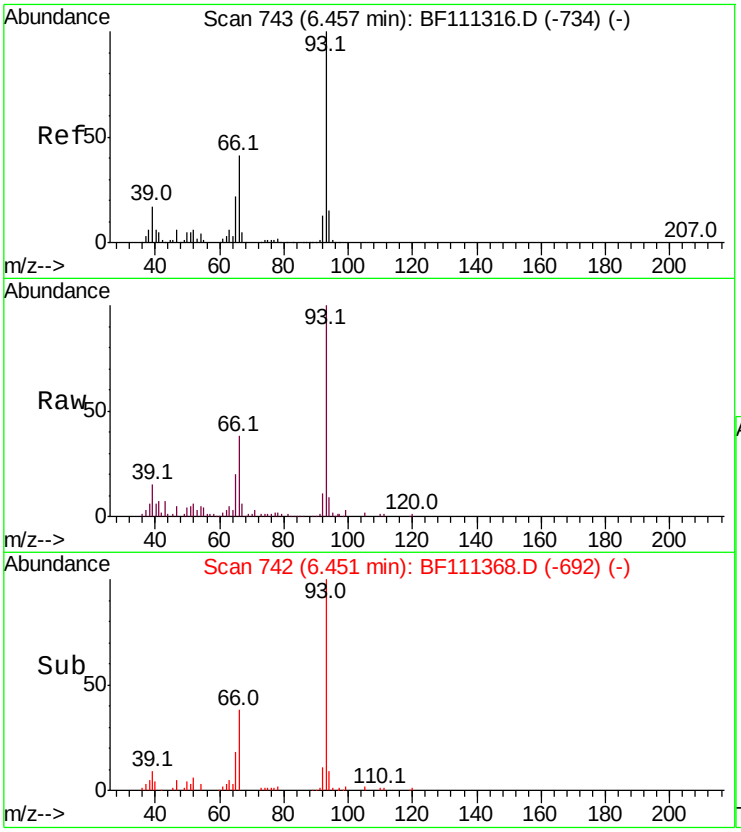



#5
2-Fluorophenol
Concen: 14.547 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:112 Resp: 146959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.3 | 51.8 | 77.6 |
| 63 | 29.0 | 26.8 | 40.2 |

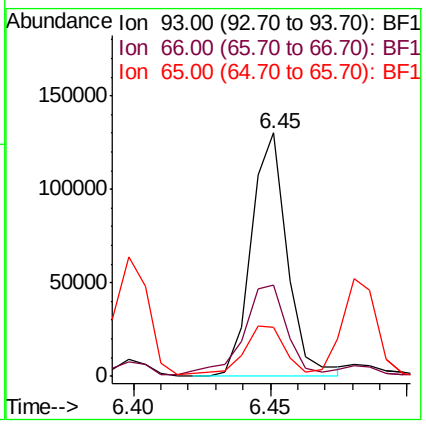





#6
Aniline
Concen: 7.254 ng m
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion: 93 Resp: 119542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.7 | 33.2 | 49.8 |
| 65 | 20.0 | 17.0 | 25.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
B2-121018DL

**Manual Integrations APPROVED**
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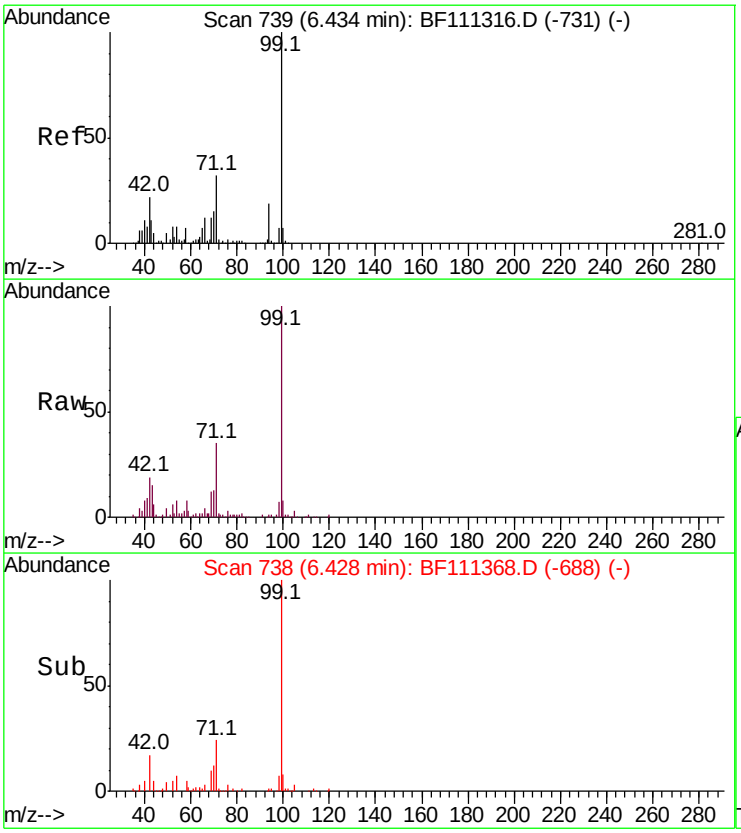
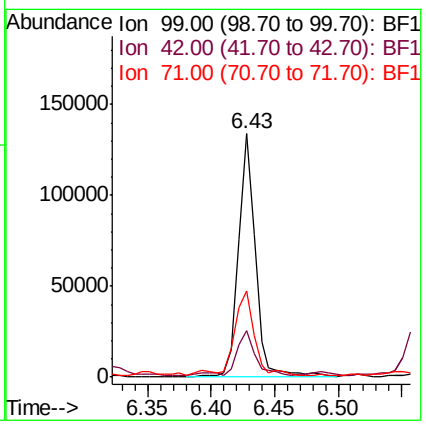
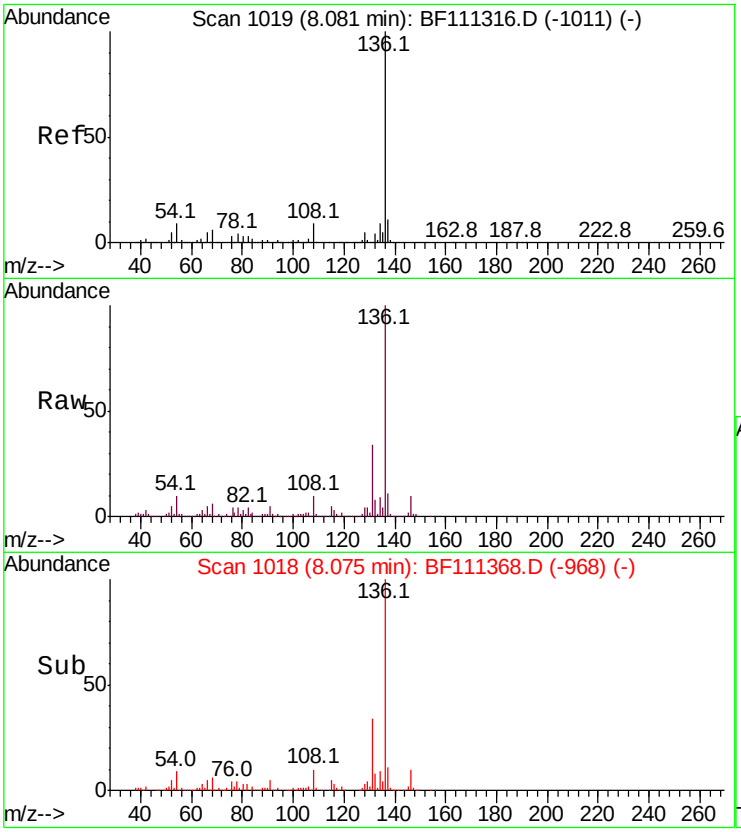



#7
Phenol-d6
Concen: 9.078 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion: 99 Resp: 123649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.2 | 17.4 | 26.0 |
| 71 | 35.4 | 26.1 | 39.1 |

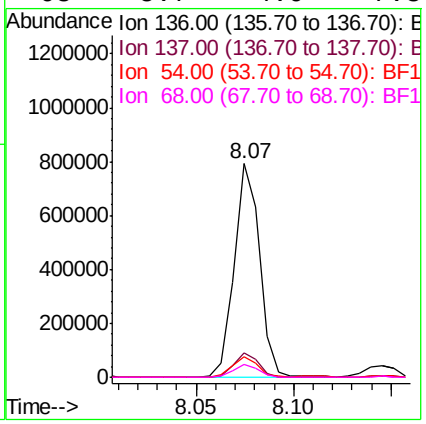





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:136 Resp: 711354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.1 | 13.7 |
| 54 | 9.6 | 7.7 | 11.5 |
| 68 | 5.7 | 4.9 | 7.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
B2-121018DL

**Manual Integrations APPROVED**
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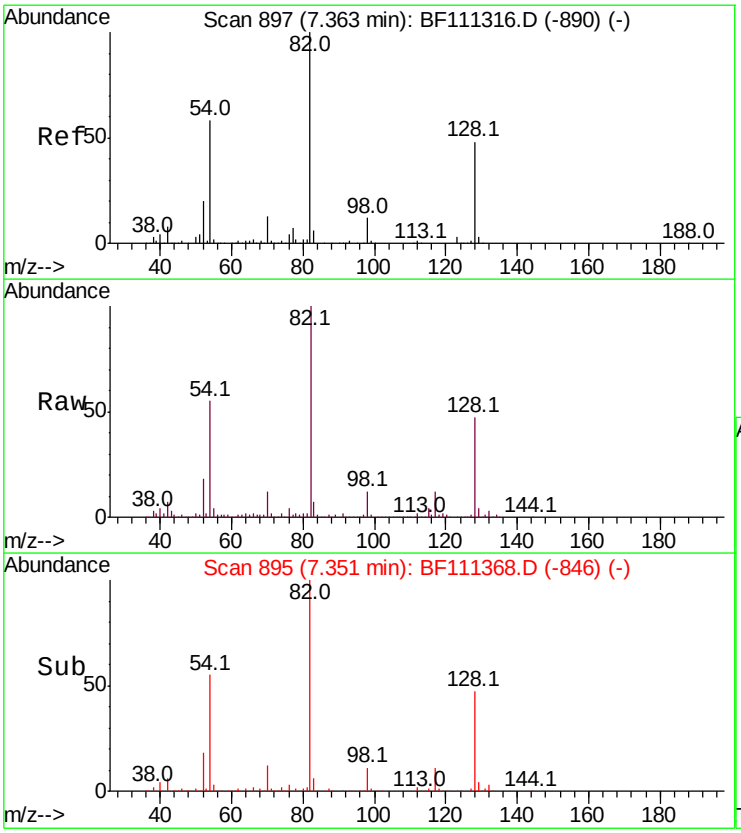
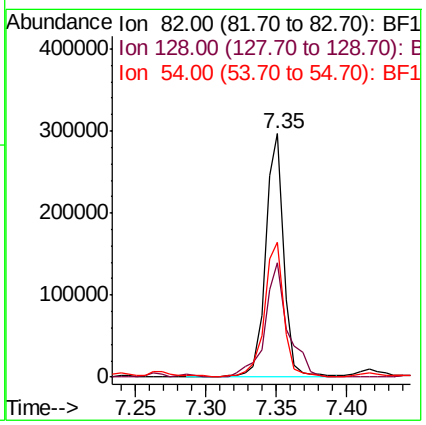
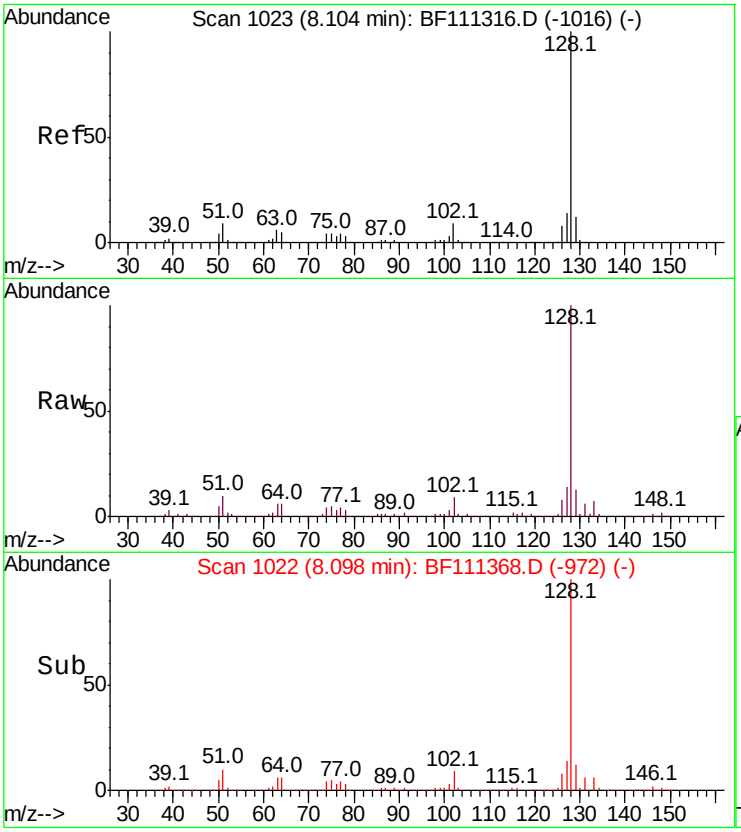



#23
Nitrobenzene-d5
Concen: 21.286 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion: 82 Resp: 268653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.1 | 37.4 | 56.2 |
| 54 | 55.4 | 47.6 | 71.4 |

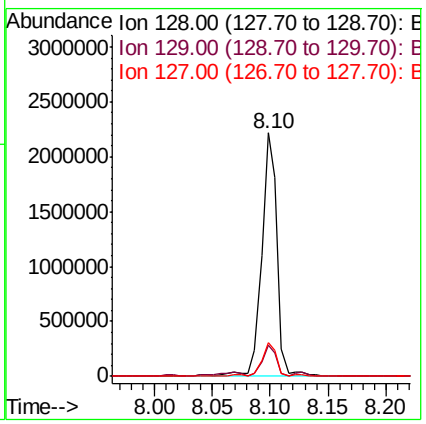





#31
Naphthalene
Concen: 62.954 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:128 Resp: 2086447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.6 | 9.8 | 14.8 |
| 127 | 14.0 | 12.0 | 18.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
B2-121018DL

**Manual Integrations APPROVED**
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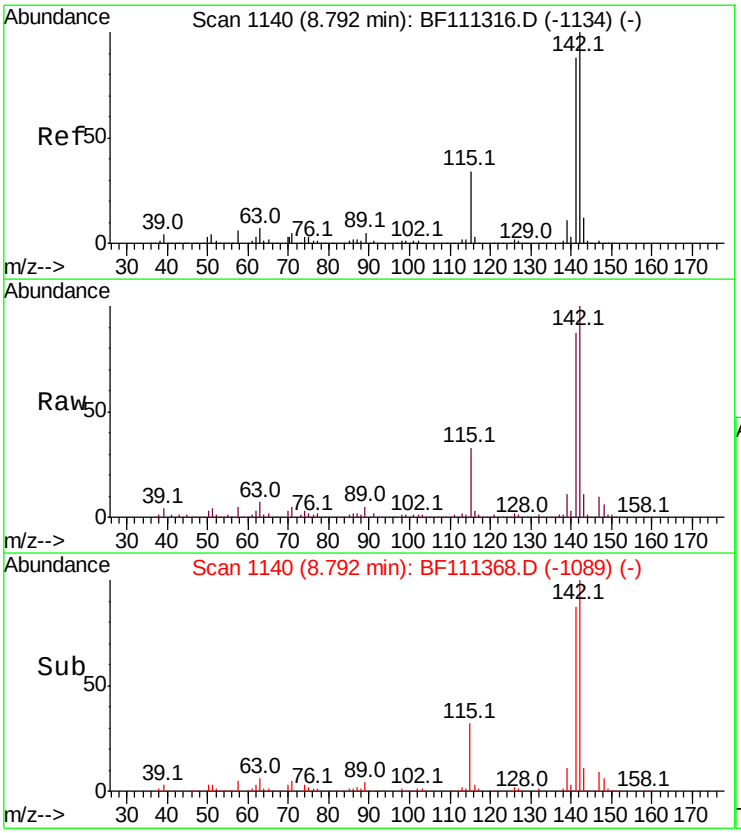
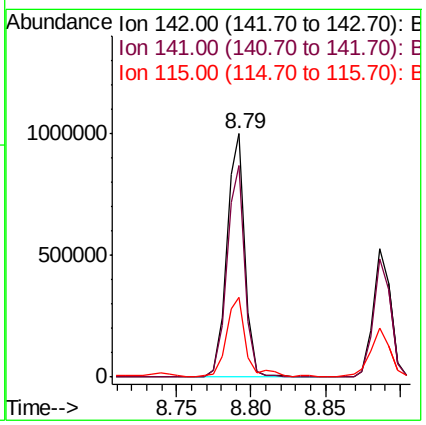
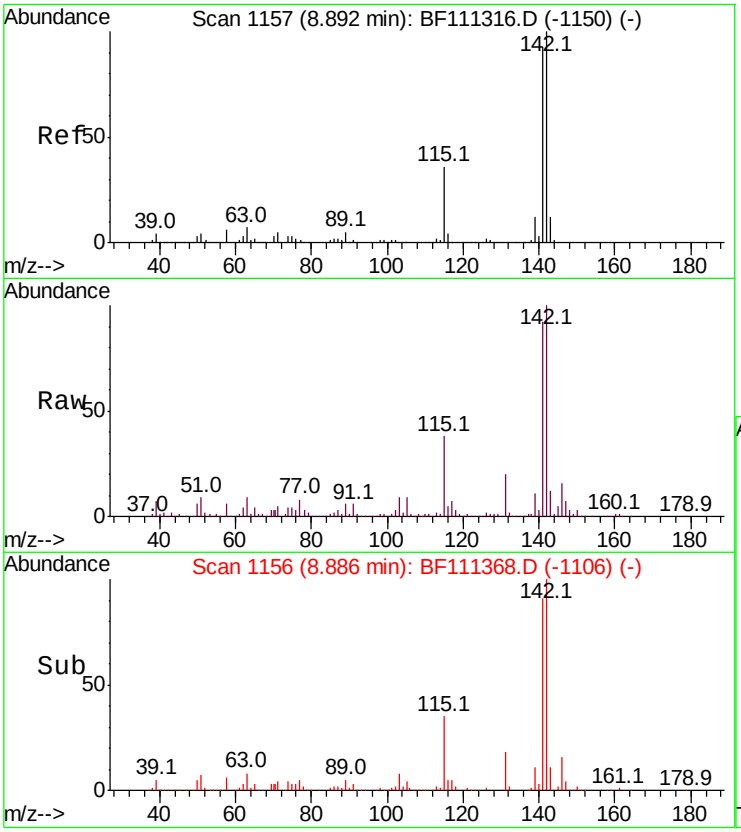



#37
2-Methylnaphthalene
Concen: 39.832 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:142 Resp: 853386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.2 | 70.6 | 105.8 |
| 115 | 32.7 | 27.0 | 40.6 |

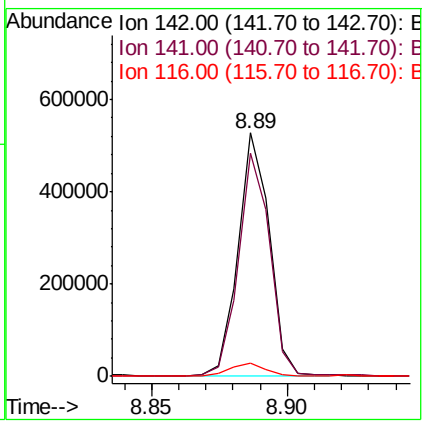





#38
1-Methylnaphthalene
Concen: 20.540 ng m
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:142 Resp: 424726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.9 | 74.2 | 111.4 |
| 116 | 5.3 | 2.9 | 4.3# |




**Instrument :**
BNA_F
**ClientSampleId :**
B2-121018DL

**Manual Integrations APPROVED**
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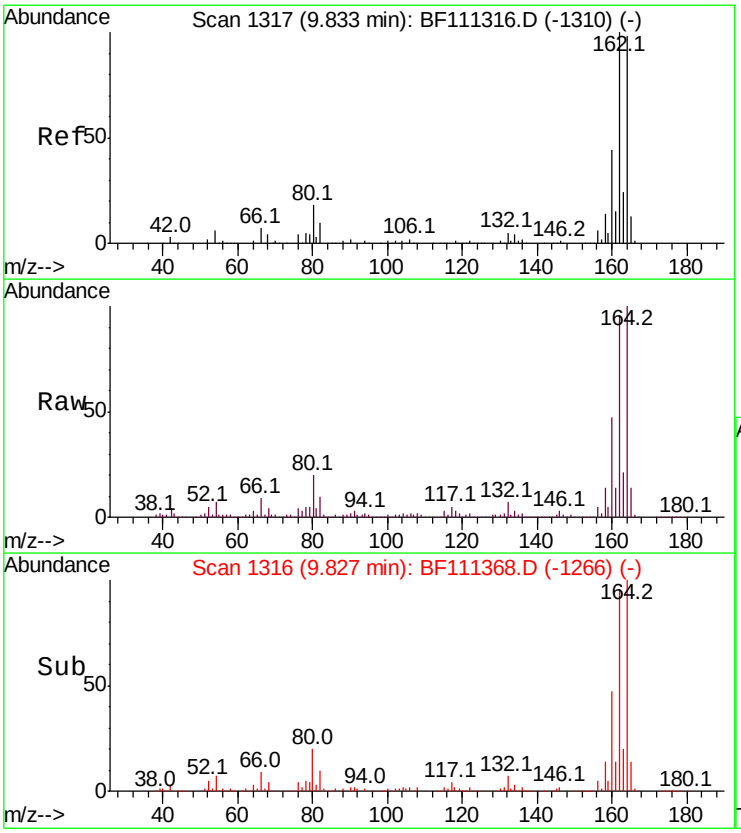
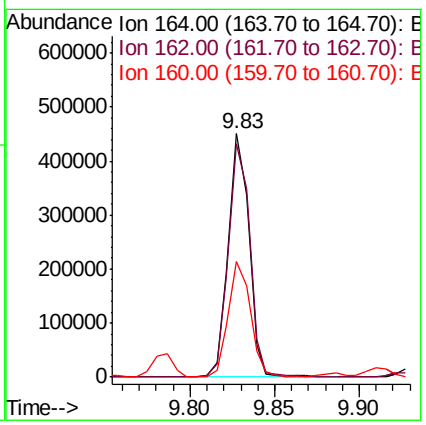
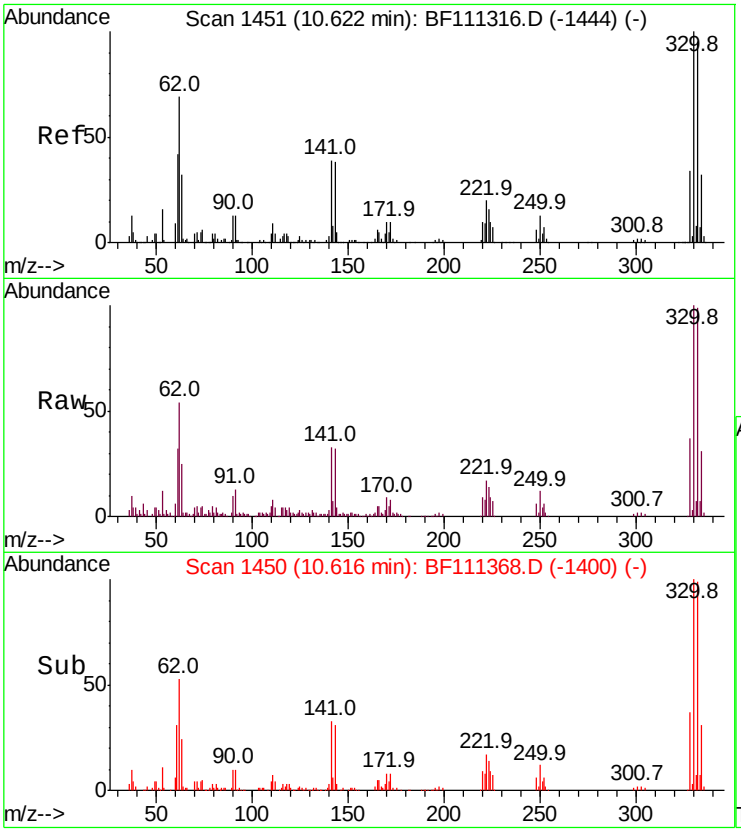



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:164 Resp: 380789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 95.7 | 81.4 | 122.0 |
| 160 | 47.3 | 35.7 | 53.5 |

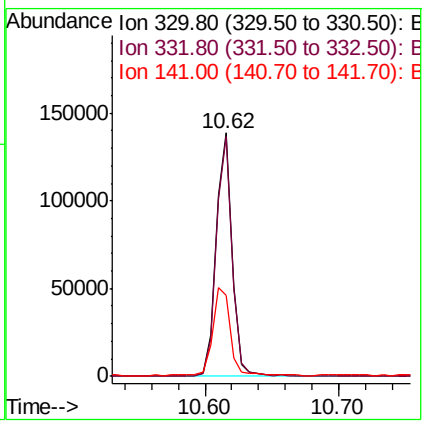





#42
2,4,6-Tribromophenol
Concen: 35.217 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:330 Resp: 118212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.3 | 76.0 | 114.0 |
| 141 | 39.9 | 31.0 | 46.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
B2-121018DL

**Manual Integrations APPROVED**
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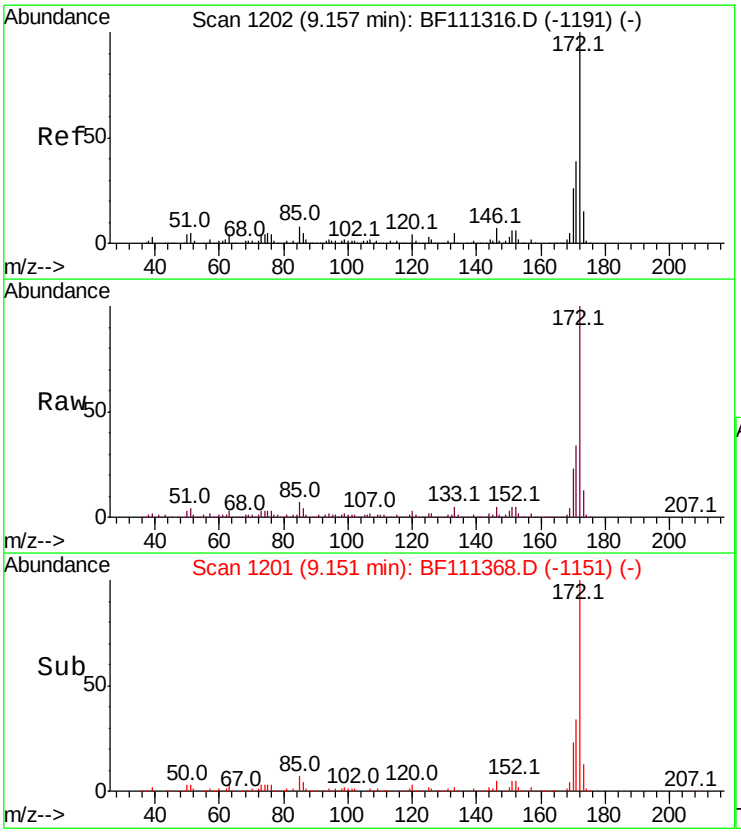
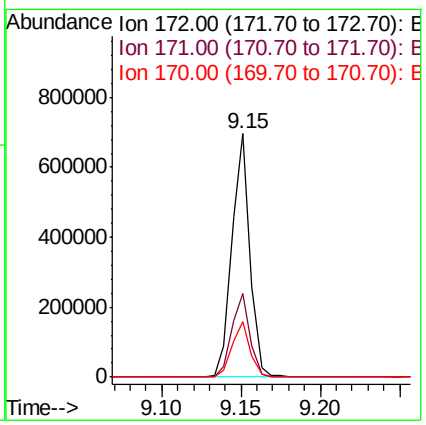
12/14/2018 12:53:14 PM

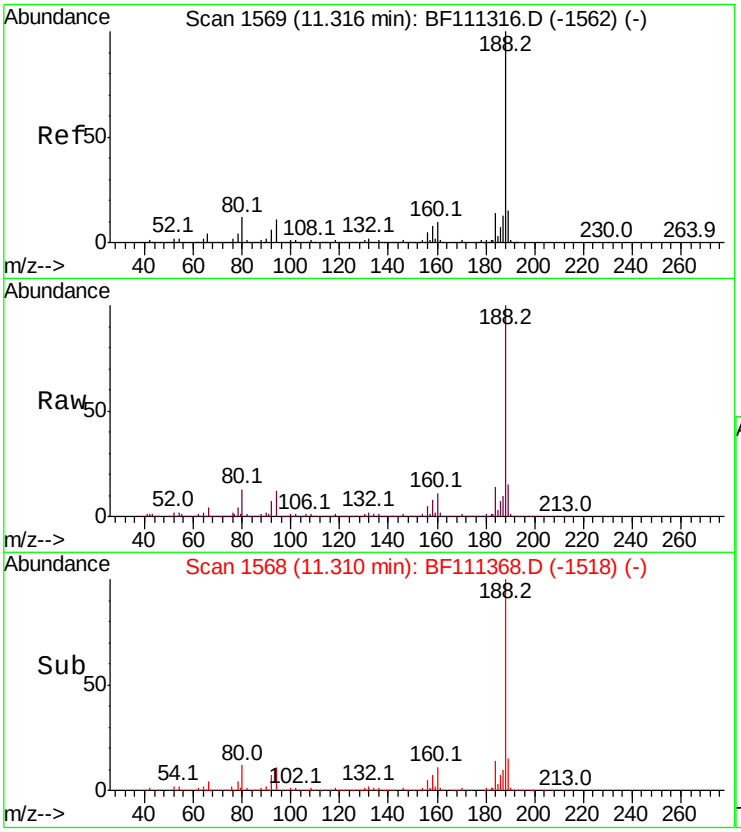



#45
2-Fluorobiphenyl
Concen: 23.137 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:172 Resp: 548774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.3 | 33.0 | 49.4 |
| 170 | 22.8 | 22.3 | 33.5 |

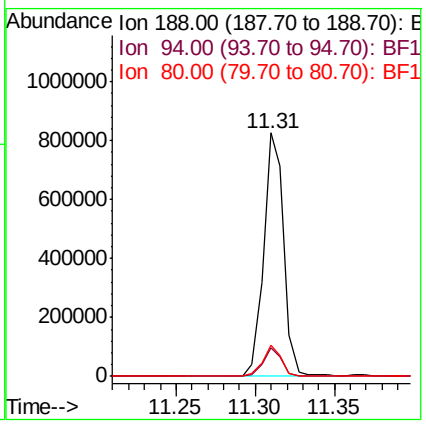





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

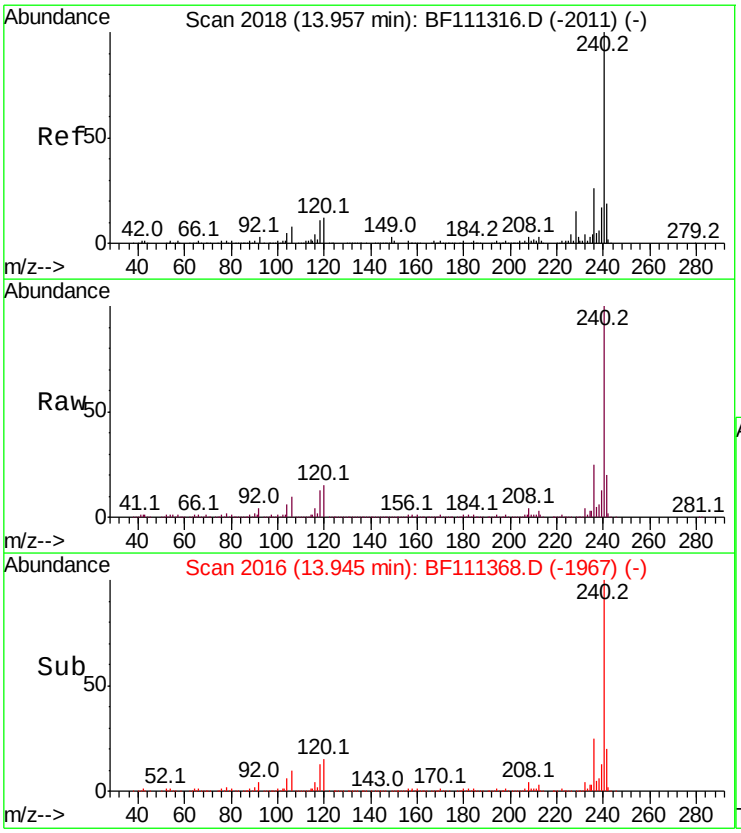
Tgt Ion:188 Resp: 732689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.6 | 9.6 | 14.4 |
| 80 | 12.5 | 9.8 | 14.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
B2-121018DL

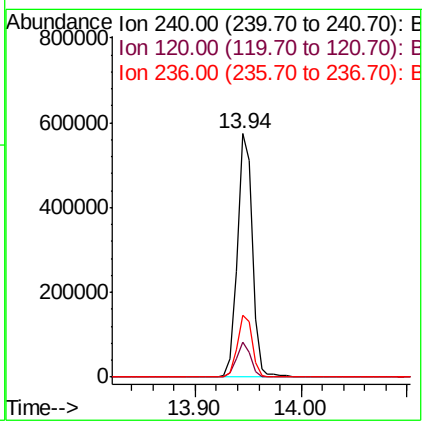
**Manual Integrations APPROVED**
Sohil
12/14/2018 12:53:14 PM

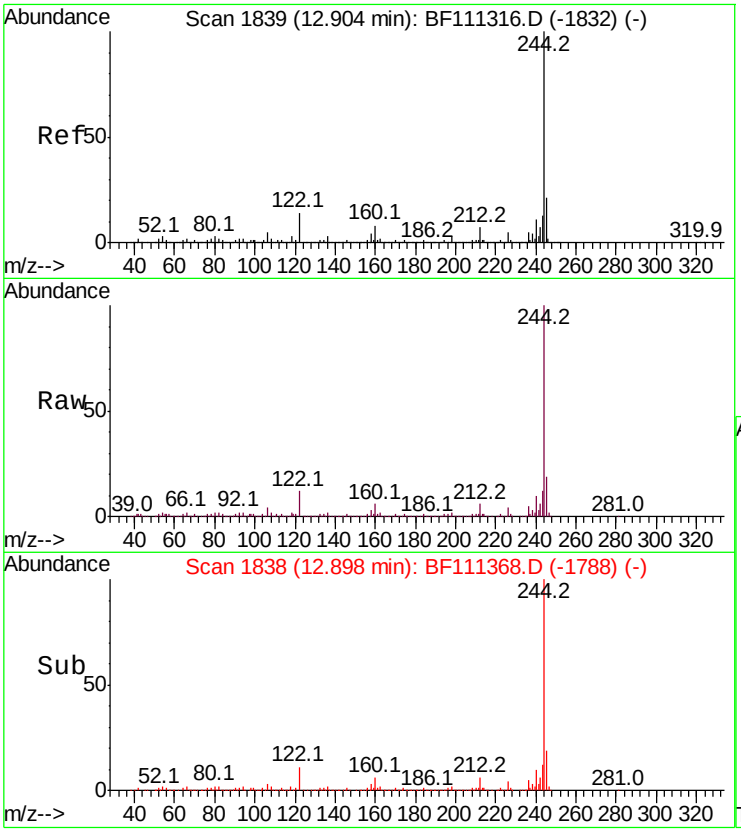



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:240 Resp: 553302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.6 | 12.2 | 18.2 |
| 236 | 25.4 | 20.2 | 30.2 |

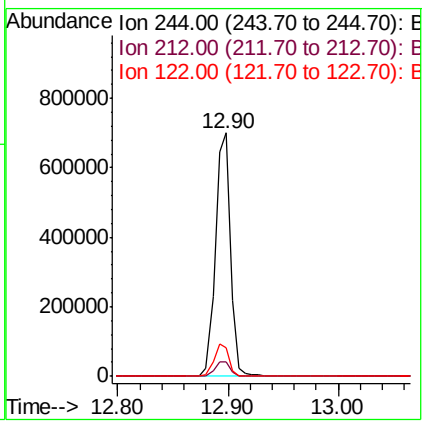





#79
Terphenyl-d14
Concen: 26.297 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

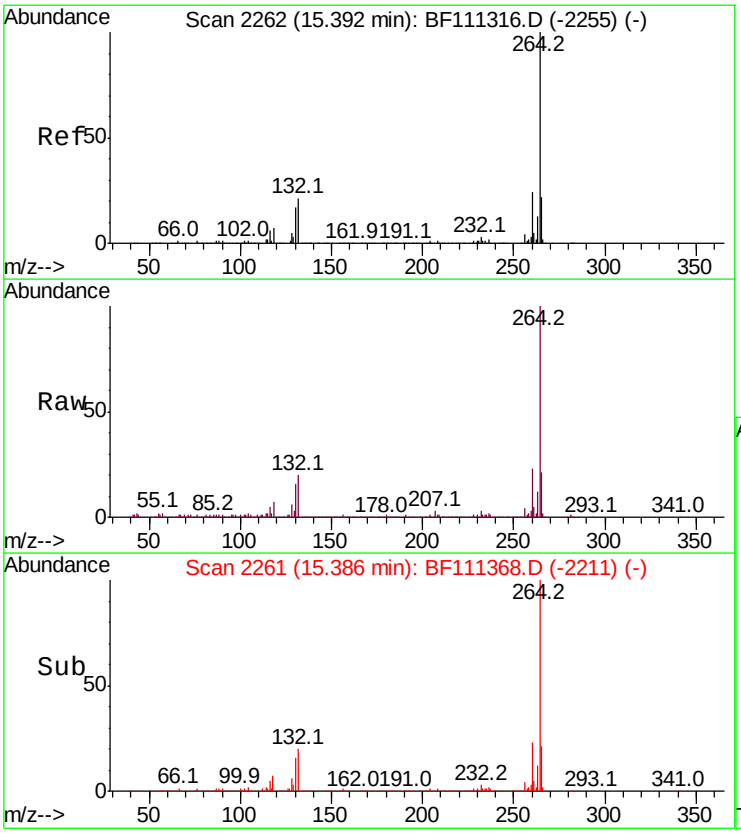
Tgt Ion:244 Resp: 661099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.0 | 5.7 | 8.5 |
| 122 | 11.5 | 13.1 | 19.7# |




**Instrument :**
BNA_F
**ClientSampleId :**
B2-121018DL

**Manual Integrations APPROVED**
Sohil
12/14/2018 12:53:14 PM




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF111368.D
Acq: 13 Dec 2018 14:01

Tgt Ion:264 Resp: 431284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 18.3 | 27.5 |
| 265 | 20.8 | 17.7 | 26.5 |