Quantitation Report (QT/LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098287.D
Acq On : 6 Sep 2017 22:02
Operator : SJ/JU
Sample : I5093-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
Sohil
9/7/2017 5:44:37 PM

Quant Time: Sep 07 06:28:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 99211 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 7.98 | 136 | 382286 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.73 | 164 | 152513 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 242273 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.84 | 240 | 223533 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 15.26 | 264 | 163209 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 649999 | 99.66 | ng | 0.00 |
| 7) Phenol-d6 | 6.35 | 99 | 872361 | 98.44 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 523714 | 74.42 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 124316 | 93.94 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.06 | 172 | 757939 | 73.01 | ng | -0.01 |
| 78) Terphenyl-d14 | 12.80 | 244 | 520439 | 48.55 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 49) Dimethylphthalate | 9.45 | 163 | 32612 | 2.925 | ng | 99 |
| 70) Phenanthrene | 11.23 | 178 | 40118 | 3.108 | ng | 96 |
| 74) Fluoranthene | 12.42 | 202 | 93146 | 6.912 | ng | 99 |
| 77) Pyrene | 12.65 | 202 | 103098 | 5.639 | ng | 98 |
| 80) Benzo(a)anthracene | 13.84 | 228 | 54266 | 4.051 | ng | 95 |
| 82) Chrysene | 13.87 | 228 | 50522 | 3.791 | ng | 97 |
| 87) Benzo(b)fluoranthene | 14.86 | 252 | 52237m | 5.078 | ng | |
| 89) Benzo(a)pyrene | 15.20 | 252 | 34478 | 3.786 | ng | 94 |
| 91) Benzo(g,h,i)perylene | 17.02 | 276 | 19554 | 2.528 | ng | 97 |

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

Quantitation Report (QT/LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098287.D
Acq On : 6 Sep 2017 22:02
Operator : SJ/JU
Sample : I5093-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 07 06:28:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
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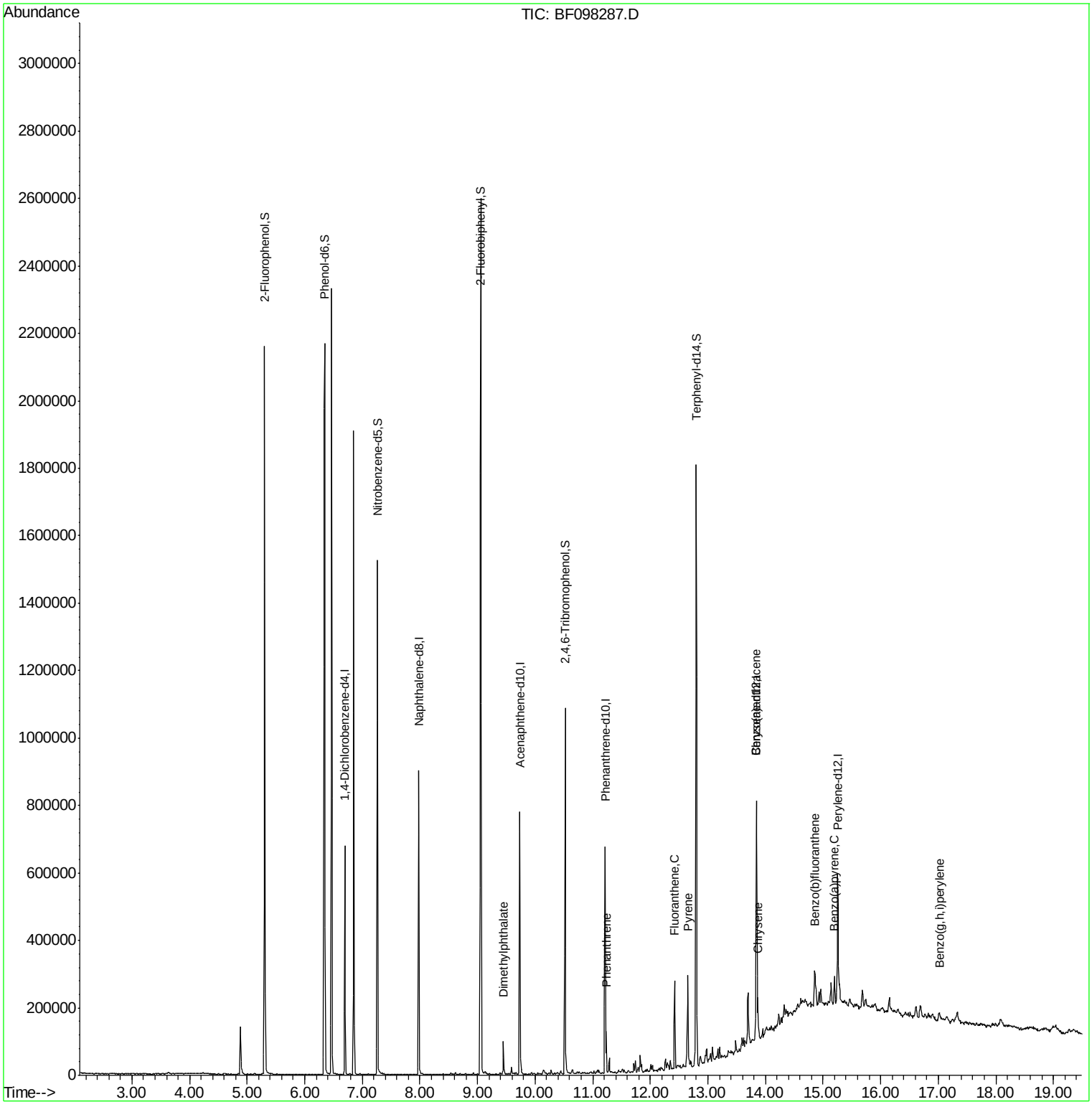
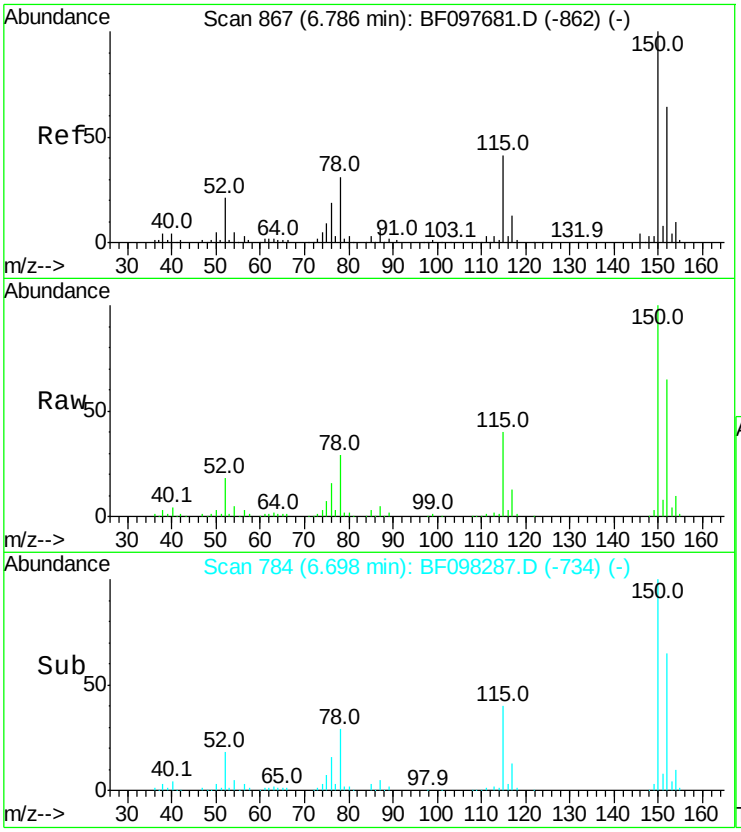
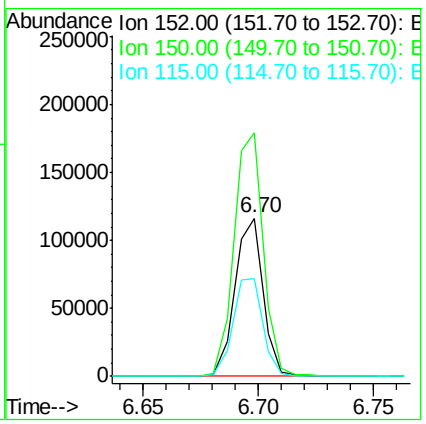





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:152 Resp: 99211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.8 | 126.2 | 189.2 |
| 115 | 61.9 | 52.2 | 78.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
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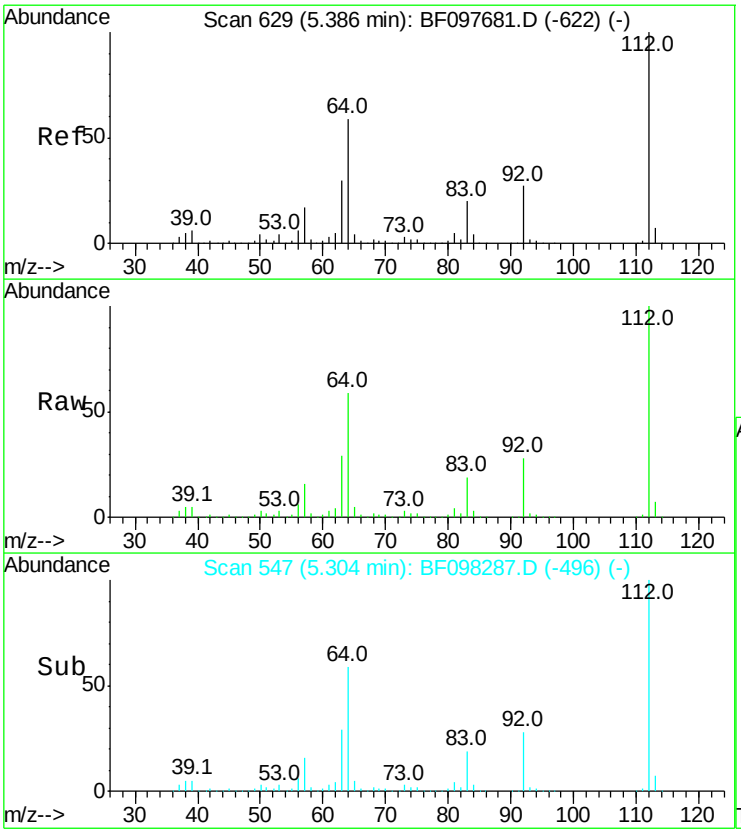
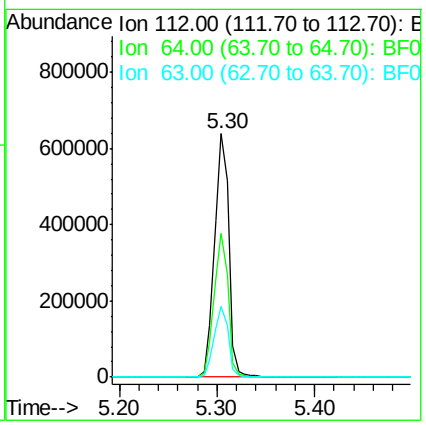
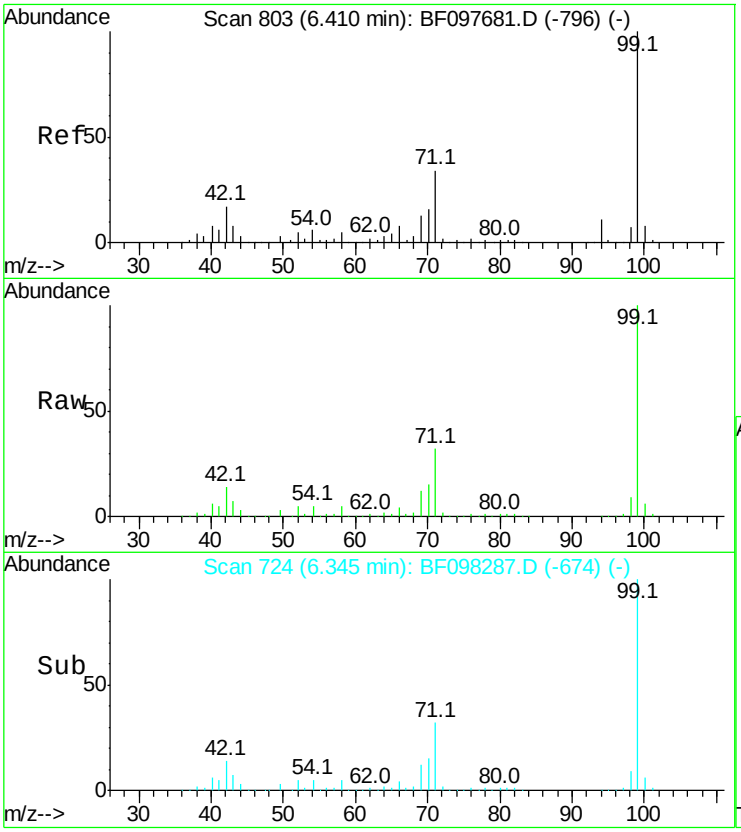



#5
2-Fluorophenol
Concen: 99.656 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:112 Resp: 649999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.3 | 46.0 | 69.0 |
| 63 | 29.3 | 23.4 | 35.0 |

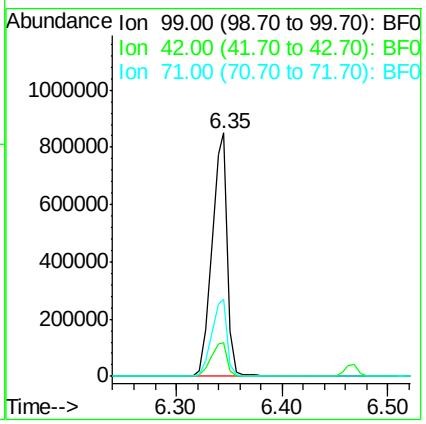





#7
Phenol-d6
Concen: 98.437 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion: 99 Resp: 872361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.7 | 13.5 | 20.3 |
| 71 | 31.6 | 24.5 | 36.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
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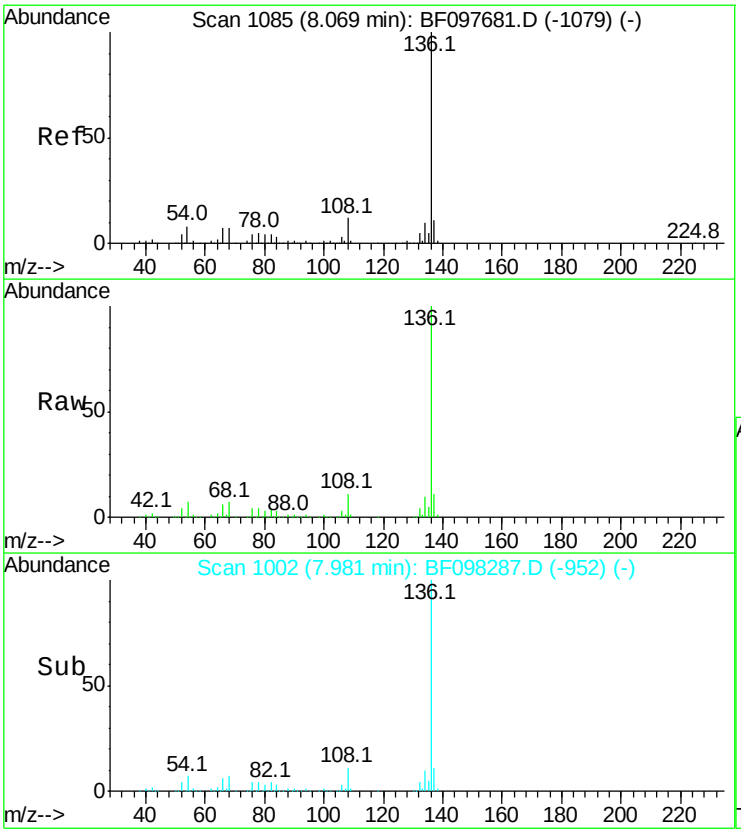
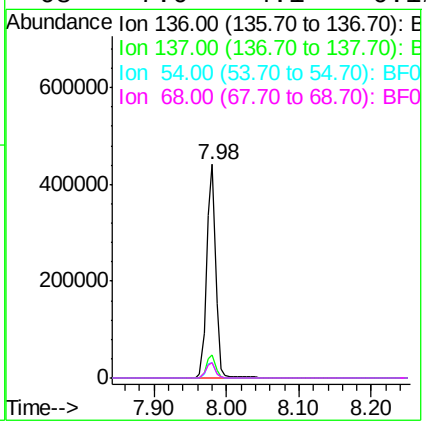
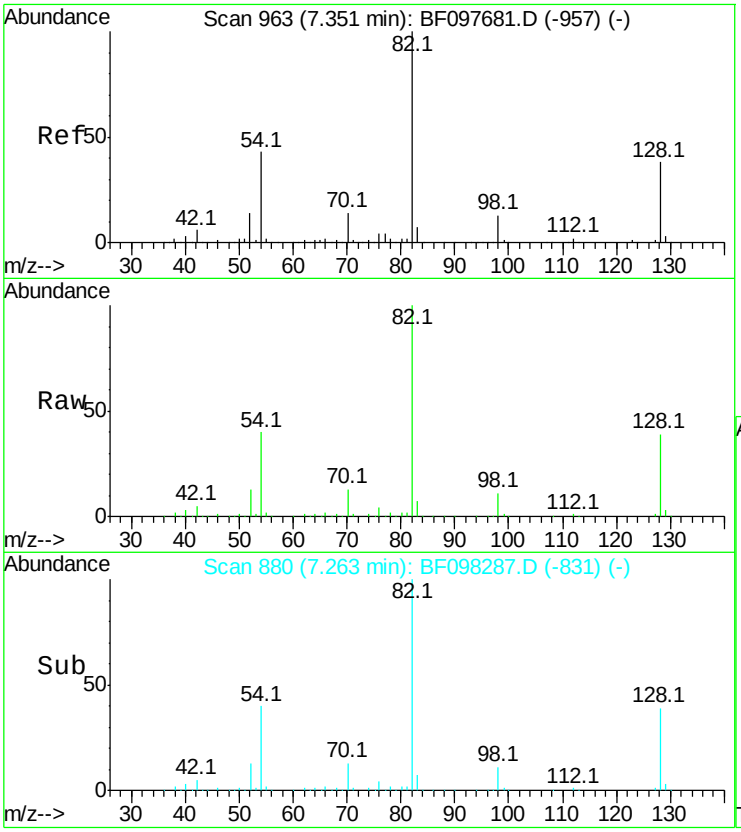



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:136 Resp: 382286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.5 | 12.7 |
| 54 | 7.2 | 4.9 | 7.3 |
| 68 | 7.0 | 4.1 | 6.1# |

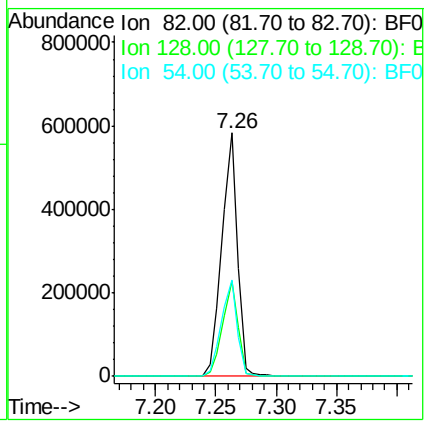





#23
Nitrobenzene-d5
Concen: 74.422 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion: 82 Resp: 523714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.9 | 34.0 | 51.0 |
| 54 | 39.7 | 42.2 | 63.2# |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
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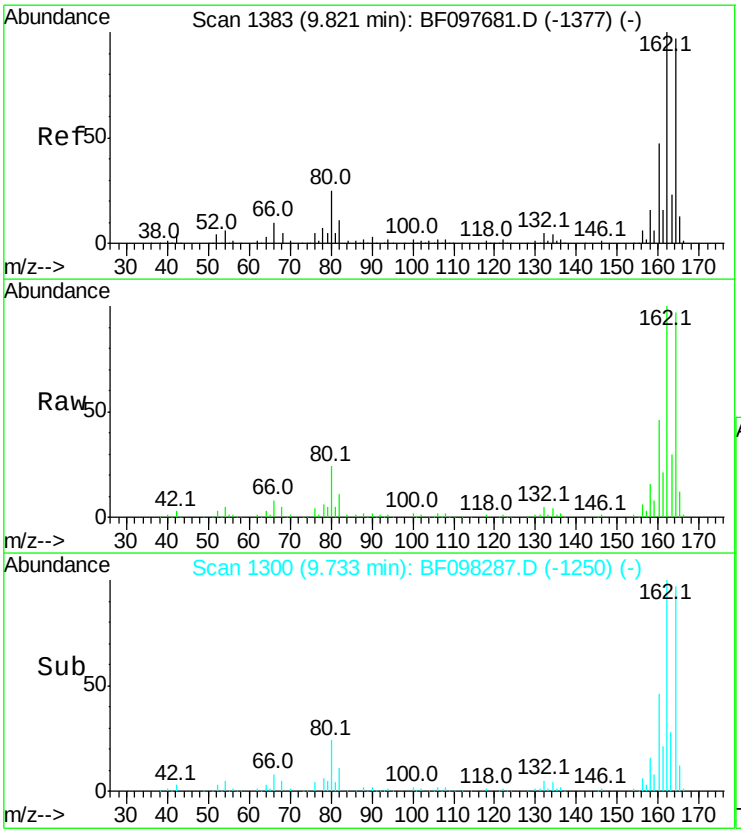
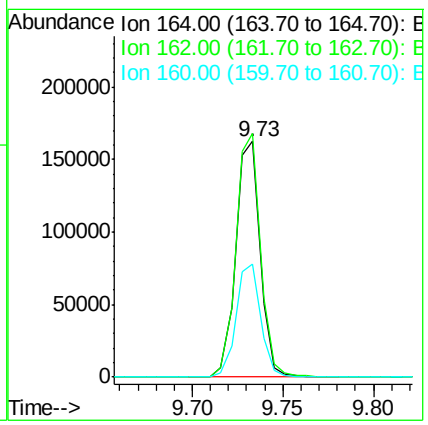
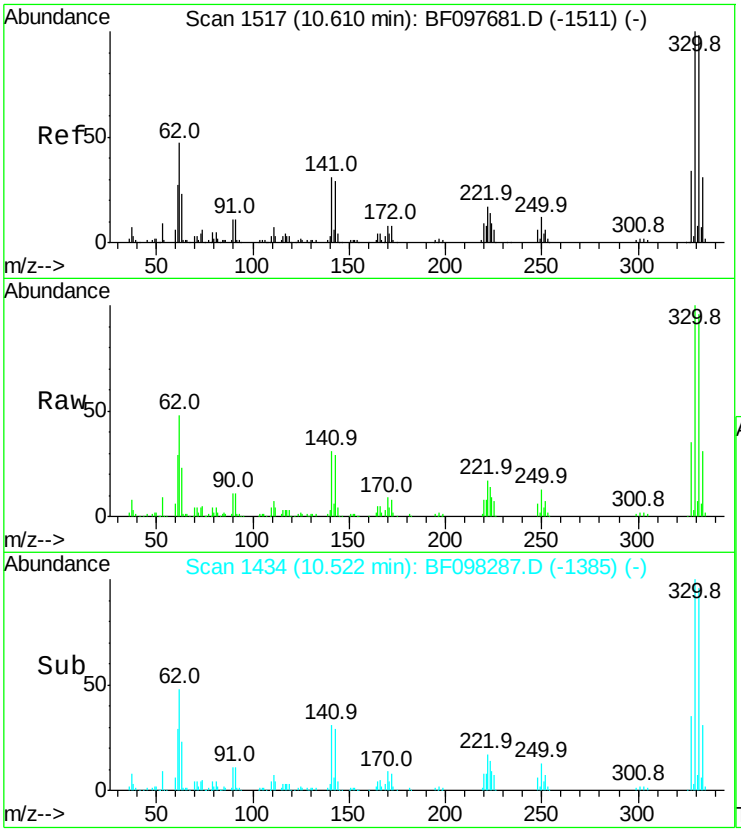



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:164 Resp: 152513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.3 | 82.6 | 123.8 |
| 160 | 47.9 | 36.2 | 54.2 |

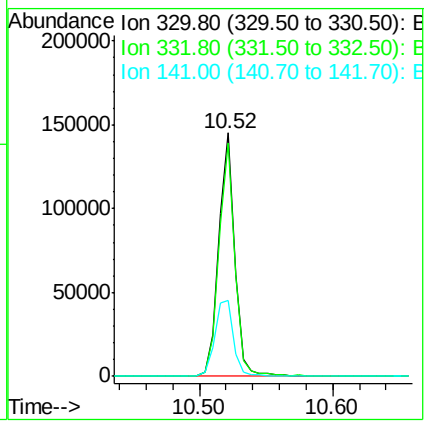





#41
2,4,6-Tribromophenol
Concen: 93.944 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:330 Resp: 124316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 76.6 | 115.0 |
| 141 | 36.7 | 31.4 | 47.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
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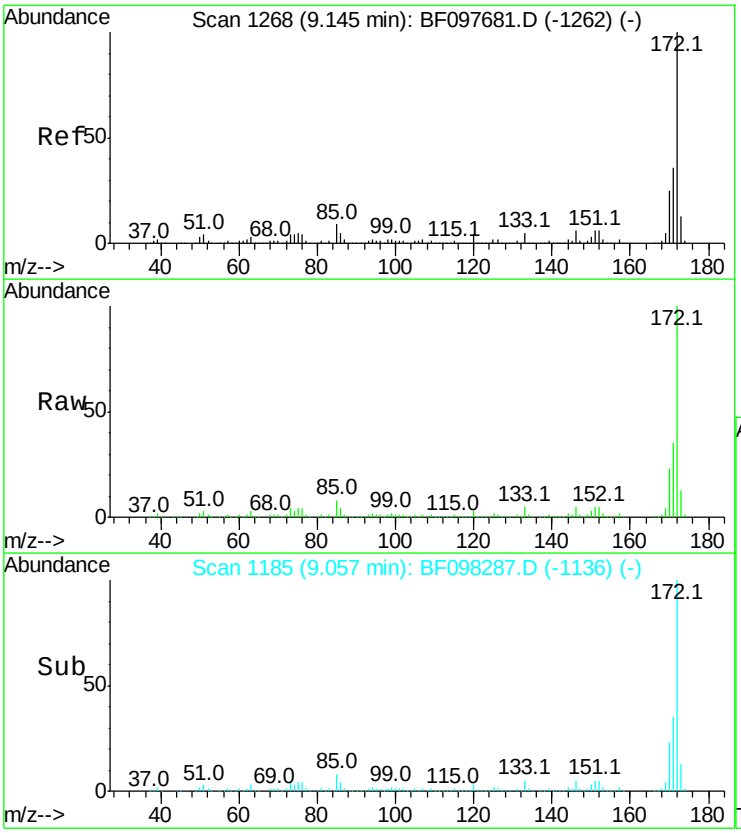
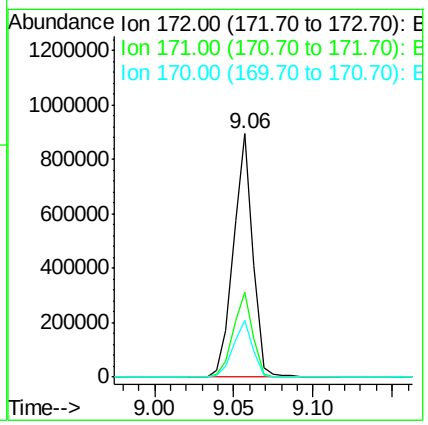
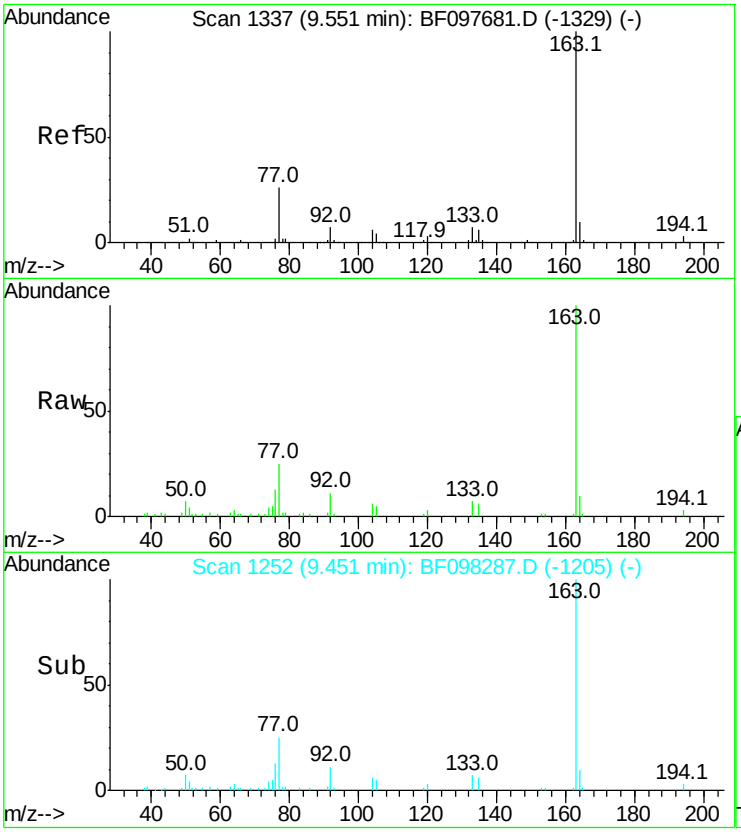



#44
2-Fluorobiphenyl
Concen: 73.015 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:172 Resp: 757939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 29.6 | 44.4 |
| 170 | 23.5 | 19.8 | 29.8 |

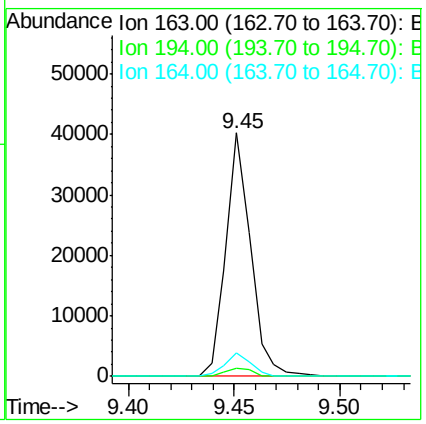





#49
Dimethylphthalate
Concen: 2.925 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:163 Resp: 32612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 2.6 | 4.0 |
| 164 | 9.8 | 8.4 | 12.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

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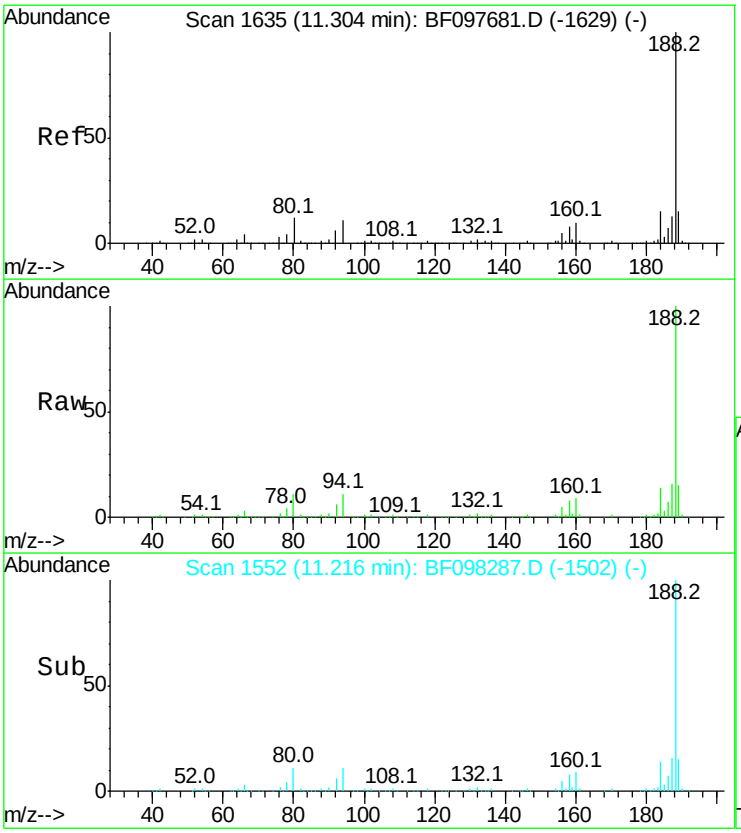
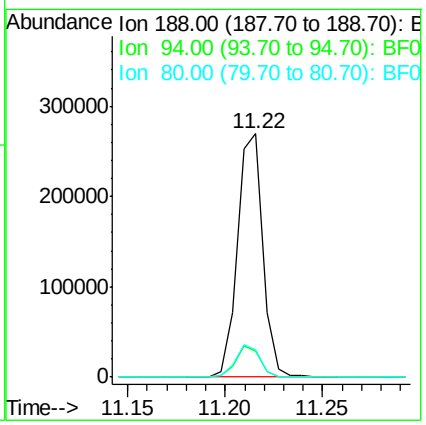
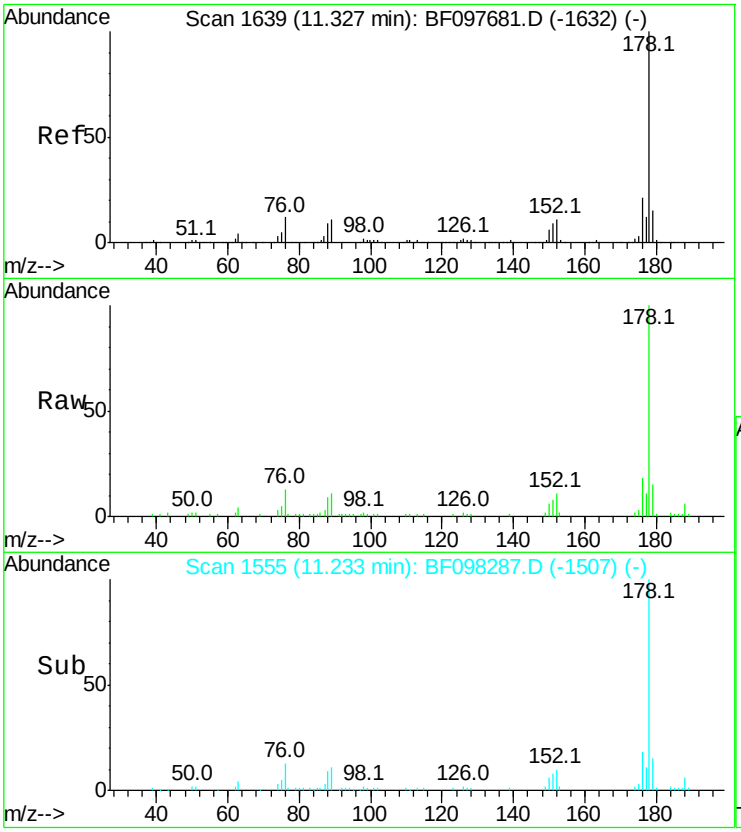



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:188 Resp: 242273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.8 | 9.4 | 14.2 |
| 80 | 11.2 | 10.2 | 15.2 |

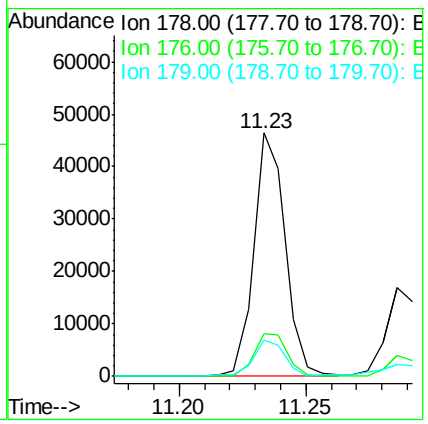





#70
Phenanthrene
Concen: 3.108 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:178 Resp: 40118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.8 | 16.2 | 24.4 |
| 179 | 14.9 | 12.6 | 19.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
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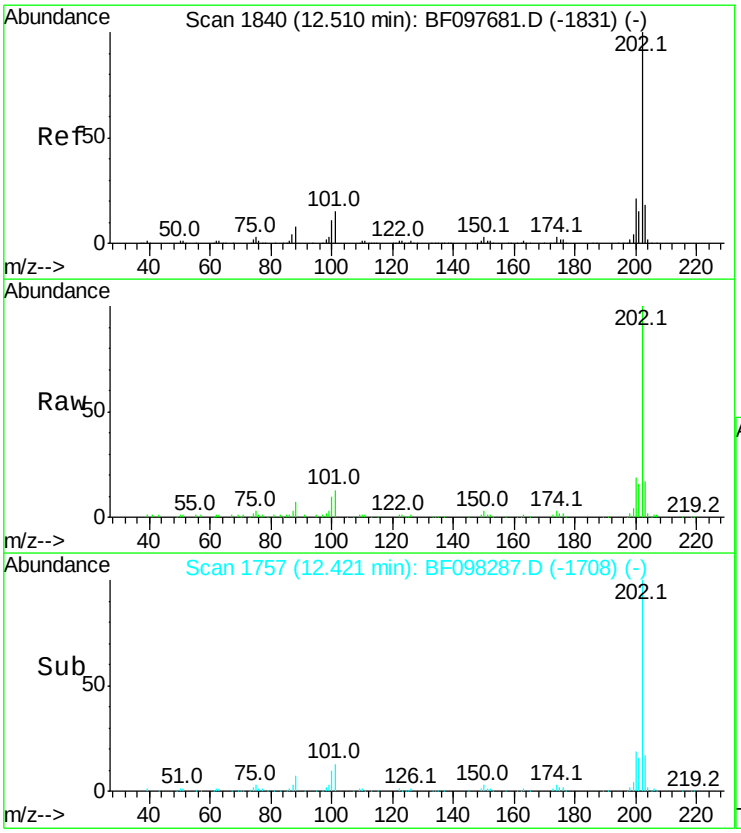
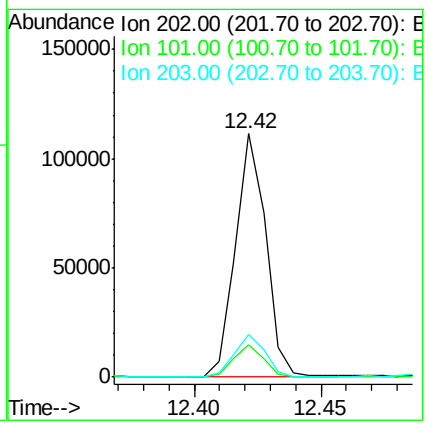
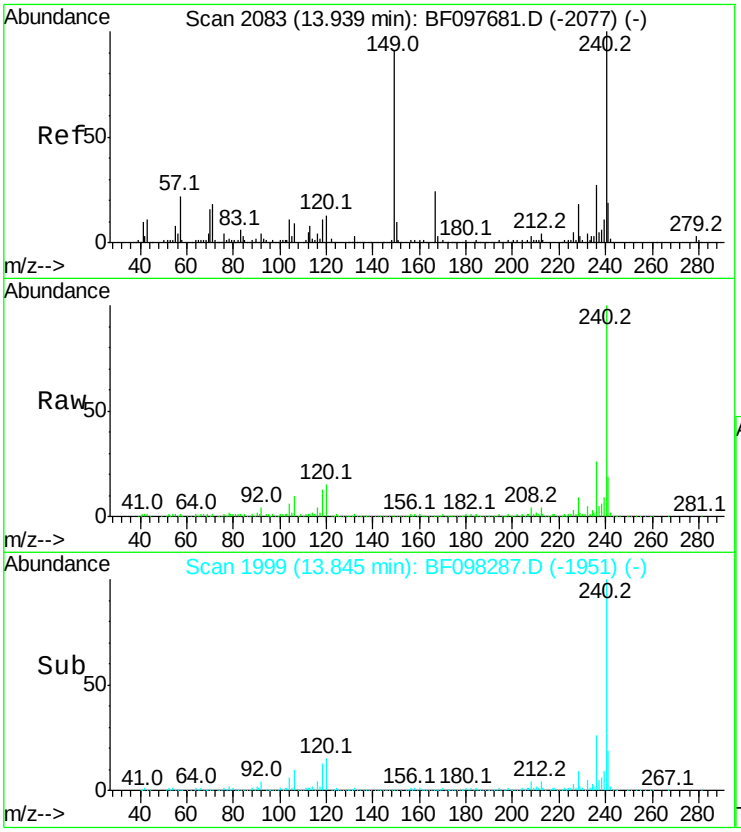



#74
Fluoranthene
Concen: 6.912 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:202 Resp: 93146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 0.0 | 33.2 |
| 203 | 17.3 | 0.0 | 38.1 |

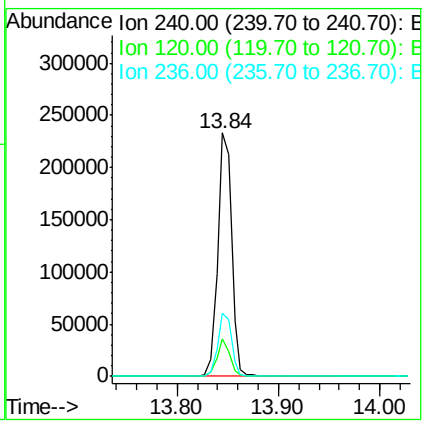





#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:240 Resp: 223533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.2 | 5.8 | 8.8# |
| 236 | 26.0 | 20.5 | 30.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
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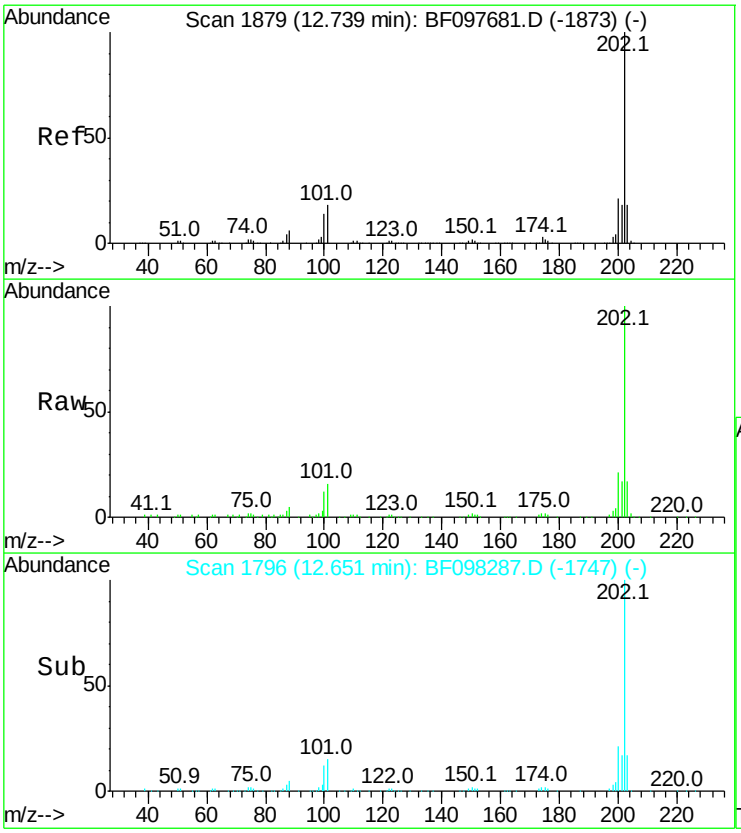
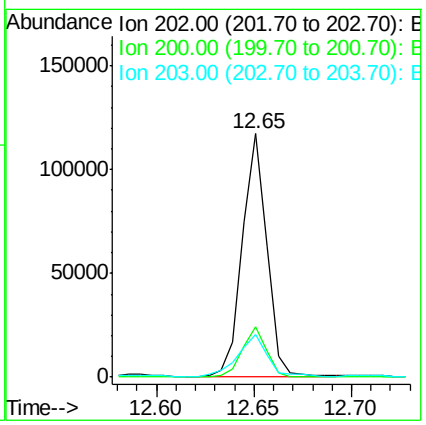
9/7/2017 5:44:37 PM

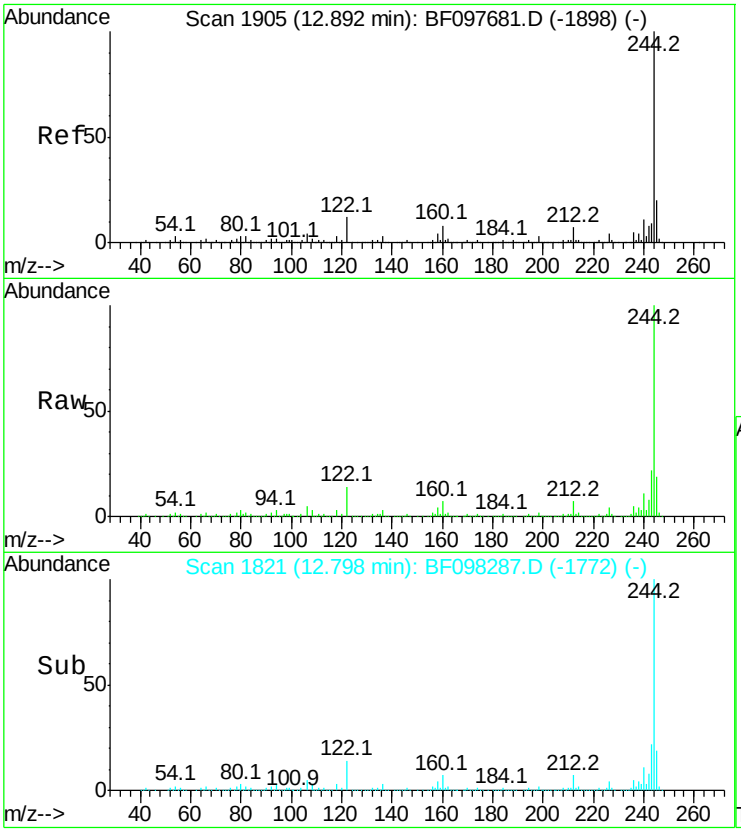



#77
Pyrene
Concen: 5.639 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:202 Resp: 103098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 17.6 | 26.4 |
| 203 | 17.5 | 14.4 | 21.6 |

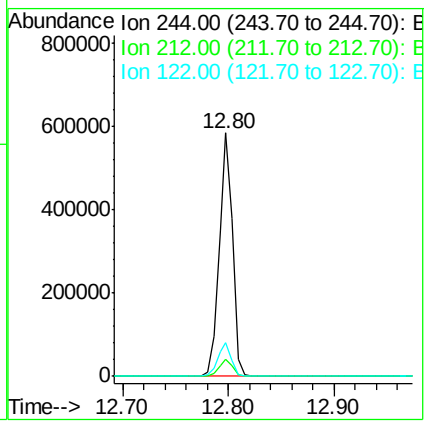





#78
Terphenyl-d14
Concen: 48.552 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:244 Resp: 520439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.0 | 9.0 |
| 122 | 13.7 | 10.3 | 15.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
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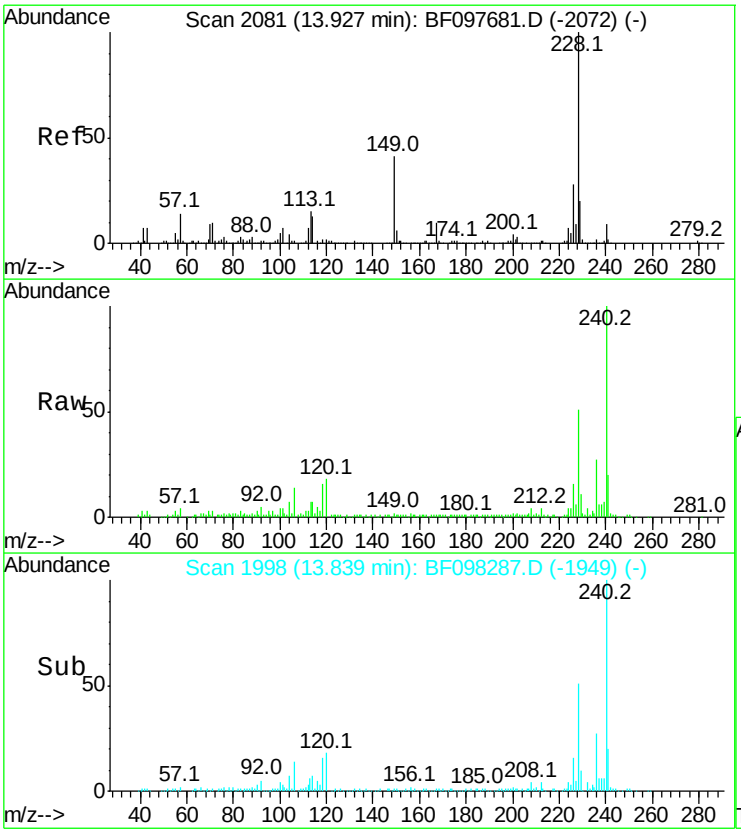
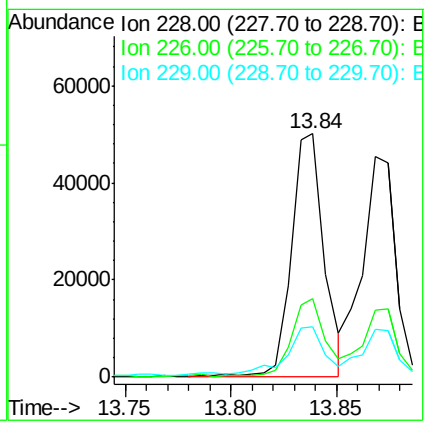
9/7/2017 5:44:37 PM

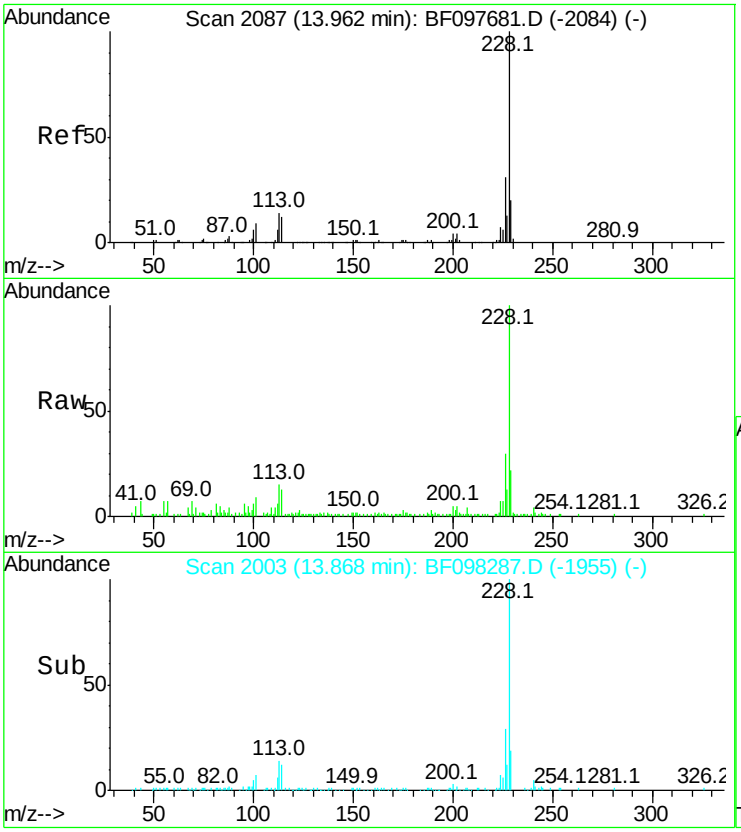



#80
Benzo(a)anthracene
Concen: 4.051 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:228 Resp: 54266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.1 | 22.6 | 33.8 |
| 229 | 20.8 | 16.3 | 24.5 |

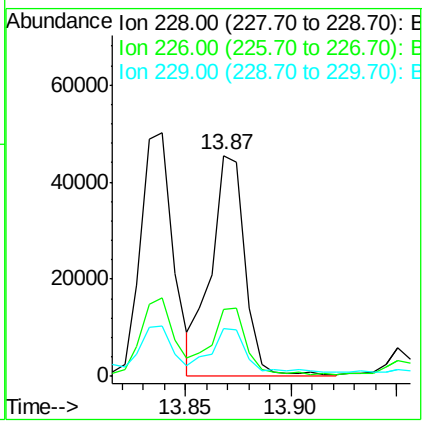





#82
Chrysene
Concen: 3.791 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:228 Resp: 50522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.9 | 37.3 |
| 229 | 21.8 | 15.8 | 23.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

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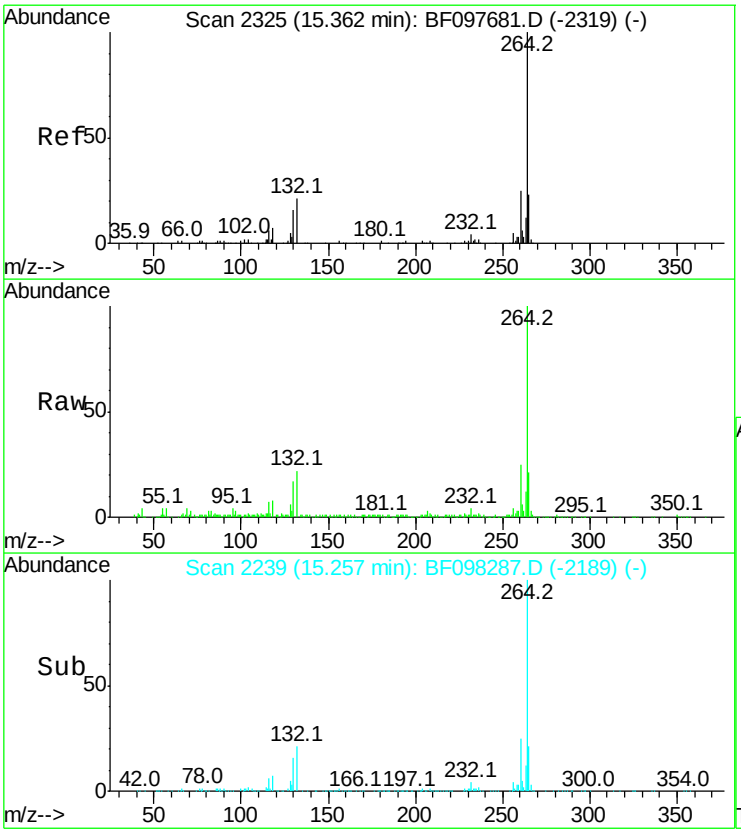
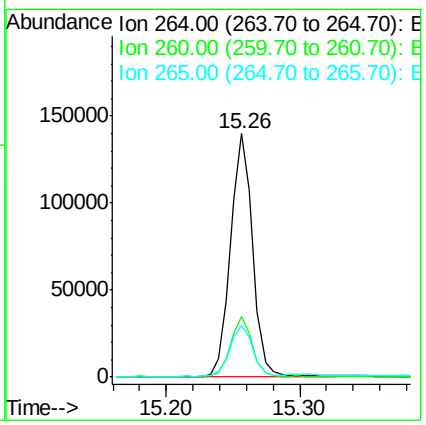
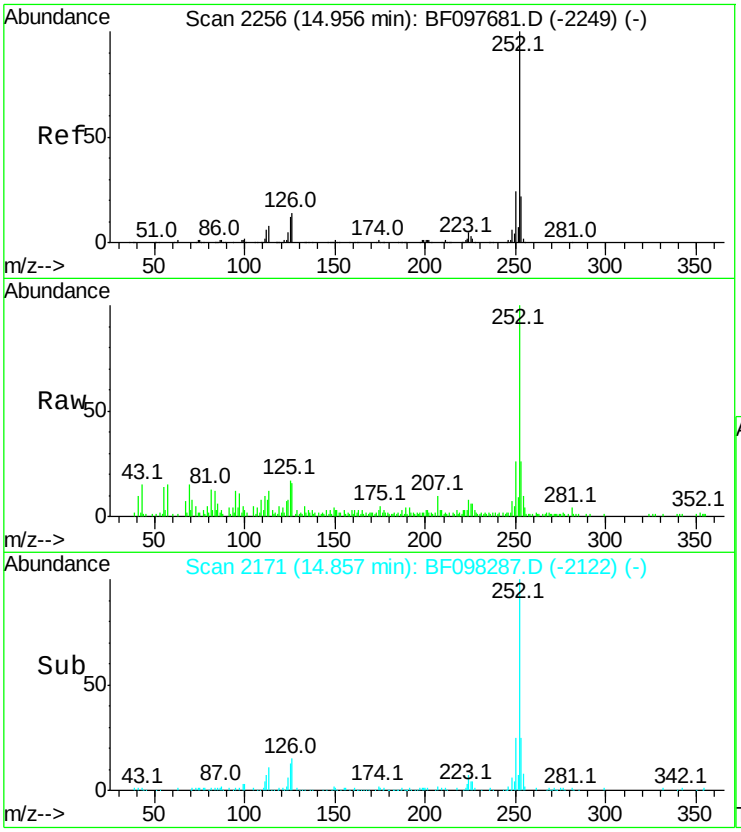



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:264 Resp: 163209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 19.5 | 29.3 |
| 265 | 21.4 | 17.2 | 25.8 |






#87
Benzo(b)fluoranthene
Concen: 5.078 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:252 Resp: 52237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.0 | 18.1 | 27.1 |
| 125 | 17.0 | 9.8 | 14.8# |

**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

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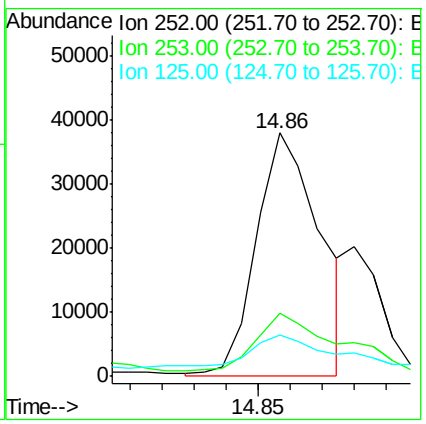
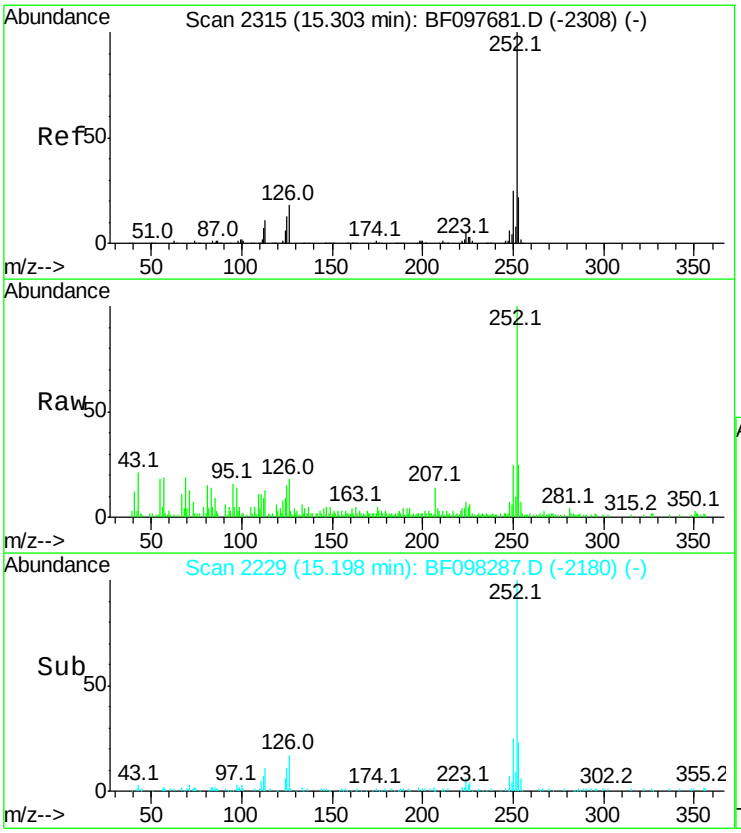
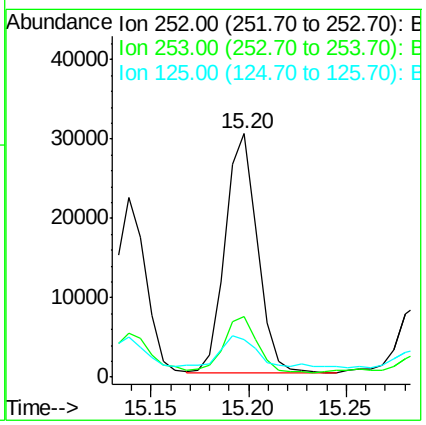


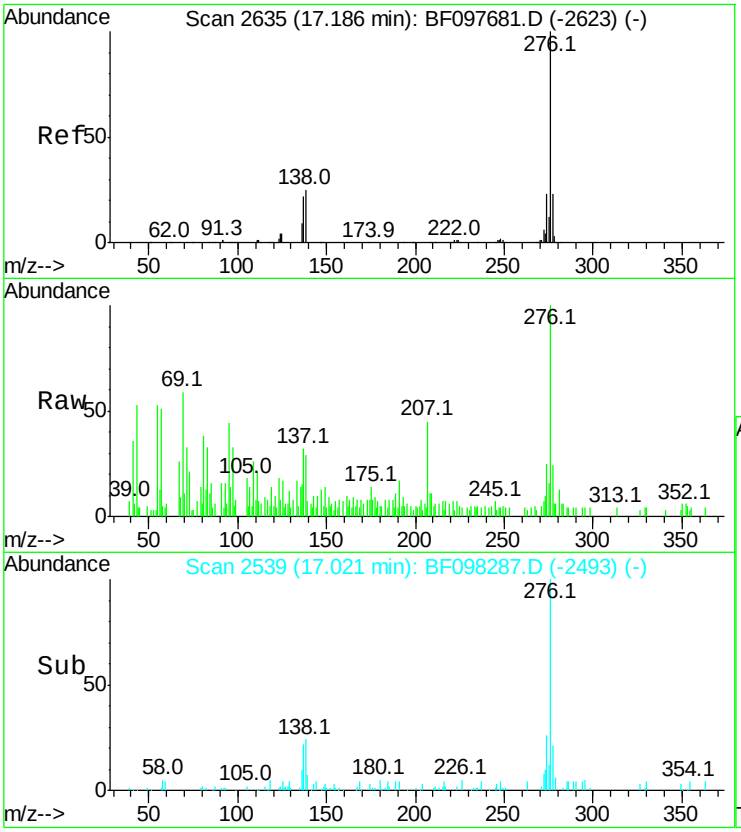




#89
Benzo(a)pyrene
Concen: 3.786 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:252 Resp: 34478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.1 | 17.5 | 26.3 |
| 125 | 15.3 | 11.0 | 16.4 |

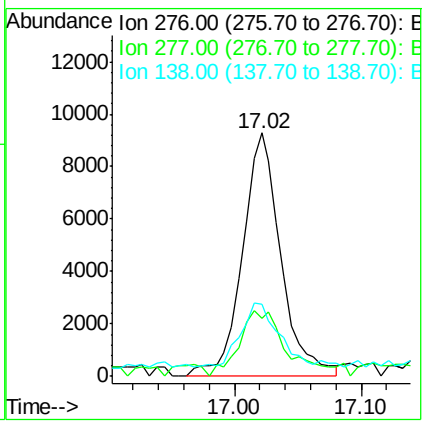





#91
Benzo(g,h,i)perylene
Concen: 2.528 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.03 min
Lab File: BF098287.D
Acq: 6 Sep 2017 22:02

Tgt Ion:276 Resp: 19554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.6 | 28.0 |
| 138 | 29.4 | 25.4 | 38.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
AU-06-090117-C

**Manual Integrations APPROVED**
Sohil
9/7/2017 5:44:37 PM