Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117008.D
Acq On : 12 Sep 2019 23:24
Operator : HP/JU
Sample : K4850-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AOC-7-(8)

Quant Time: Sep 13 08:41:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 08:24:39 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 57581 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 225040 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.86 | 164 | 120657 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.34 | 188 | 207452 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.97 | 240 | 156999 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.42 | 264 | 134390 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 433539 | 121.98 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 517431 | 110.87 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 409460 | 103.87 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 156390 | 193.88 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.18 | 172 | 775587 | 108.43 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.92 | 244 | 806338 | 95.01 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Naphthalene | 8.13 | 128 | 215386 | 20.128 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 18607 | 2.613 | ng | # | 91 |

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

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**ClientSampleId :**
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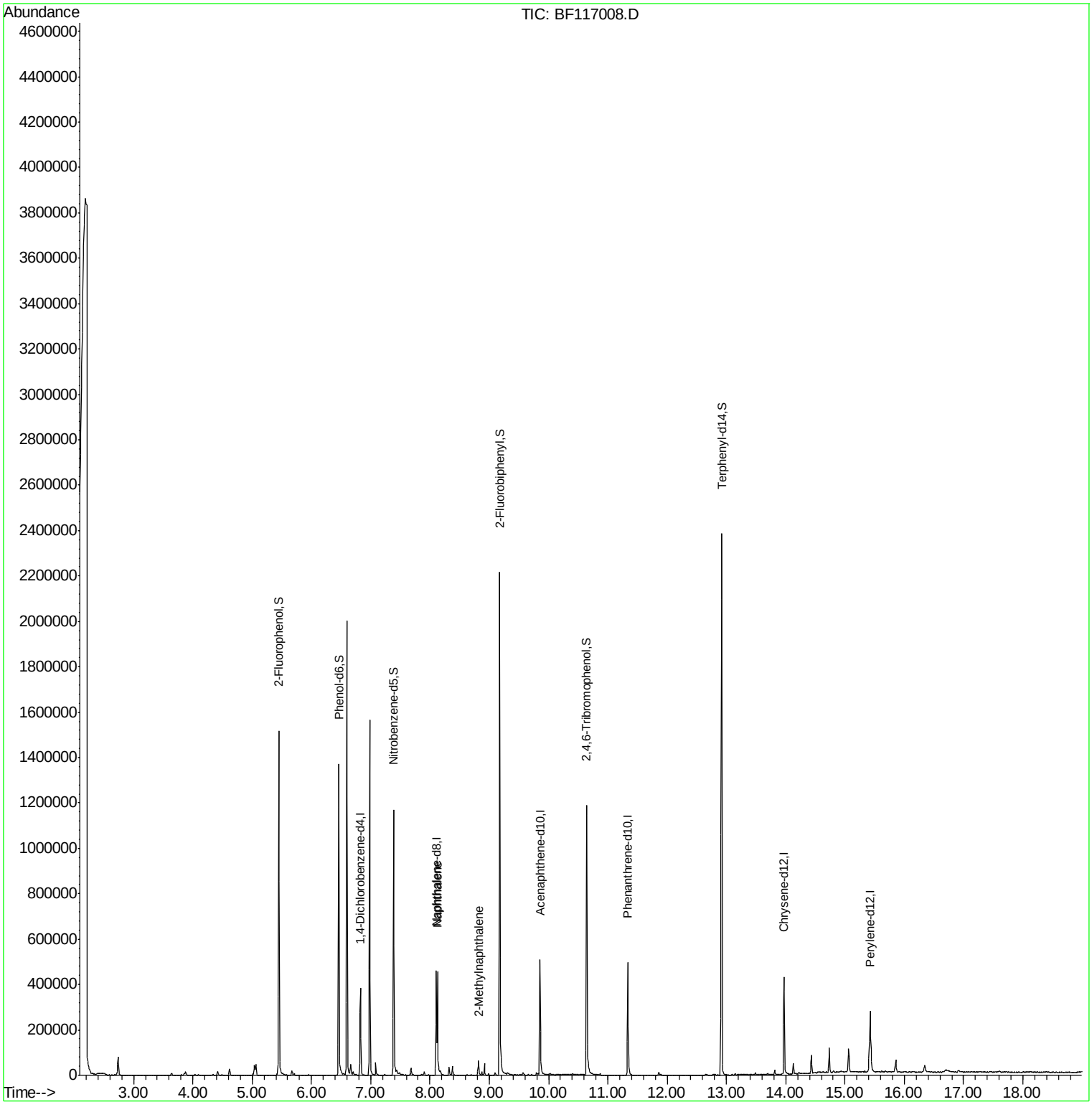
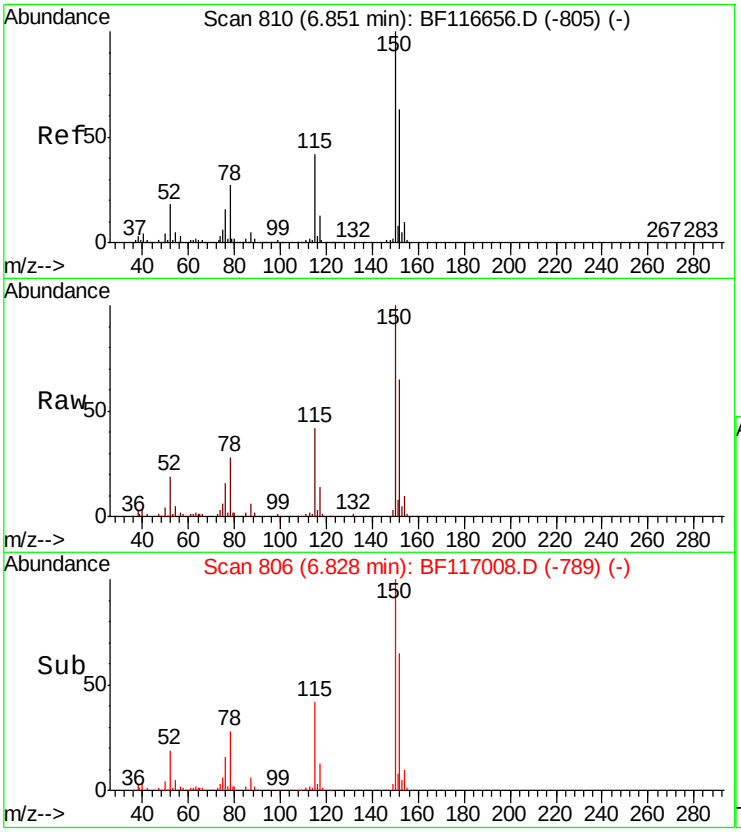


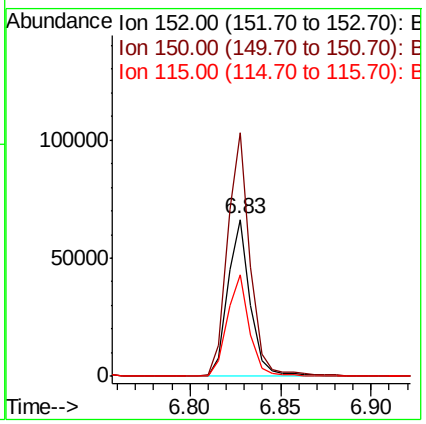


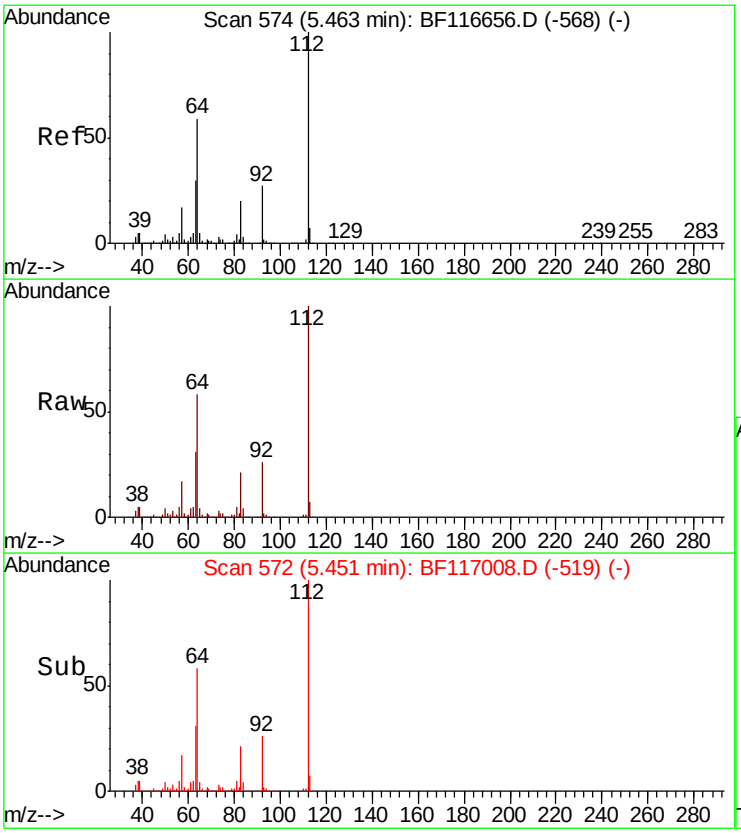

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

**Instrument :**
BNA_F
**ClientSampleId :**
AOC-7-(8)

Tgt Ion:152 Resp: 57581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.9 | 126.2 | 189.2 |
| 115 | 64.9 | 50.2 | 75.2 |

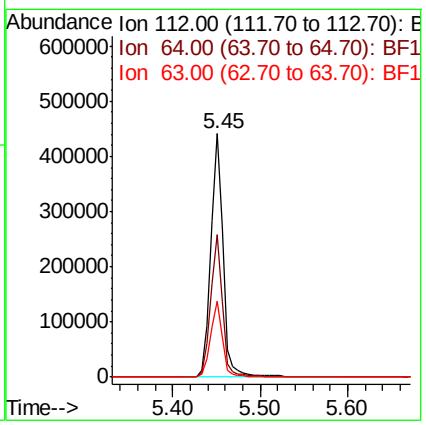


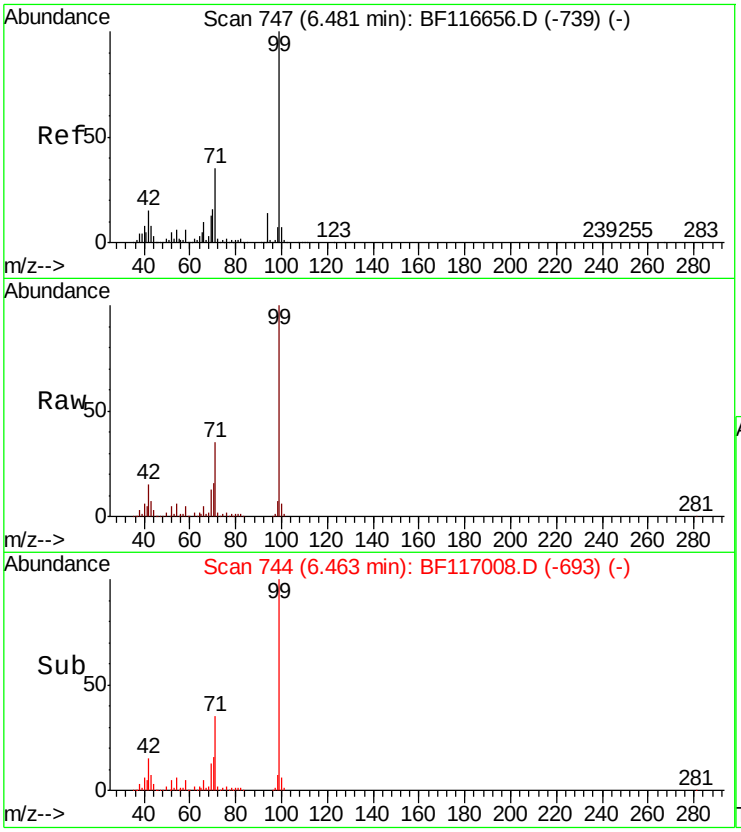




#5
2-Fluorophenol
Concen: 121.977 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

Tgt Ion:112 Resp: 433539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.3 | 47.1 | 70.7 |
| 63 | 31.3 | 25.4 | 38.0 |



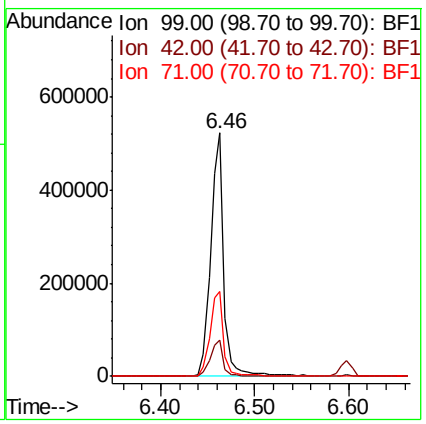


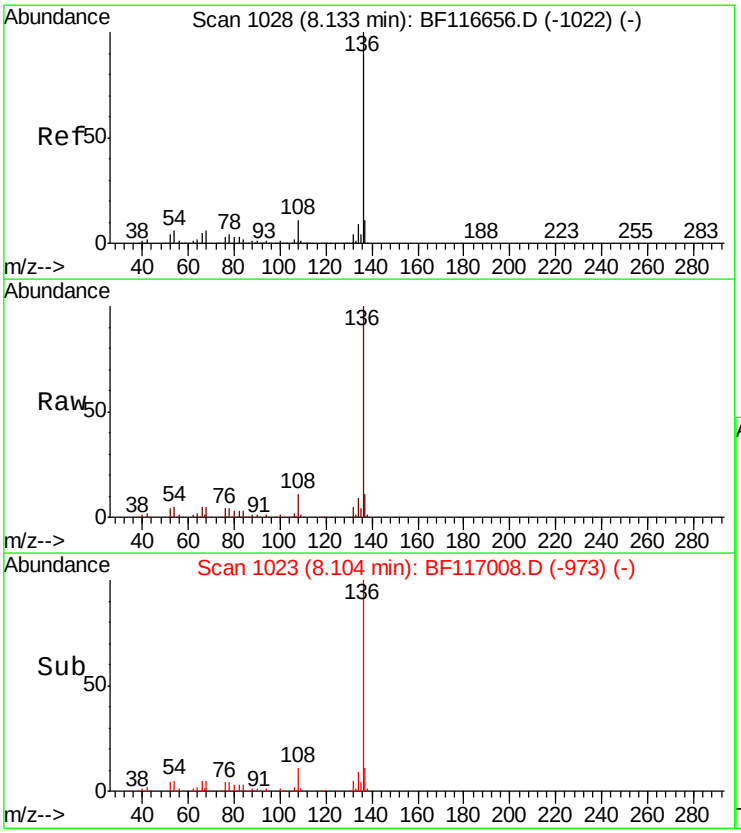

#7
Phenol-d6
Concen: 110.867 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

**Instrument :**
BNA_F
**ClientSampleId :**
AOC-7-(8)

Tgt Ion: 99 Resp: 517431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.7 | 12.0 | 18.0 |
| 71 | 35.1 | 29.7 | 44.5 |

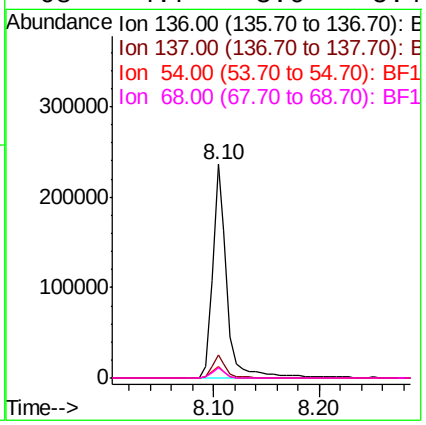


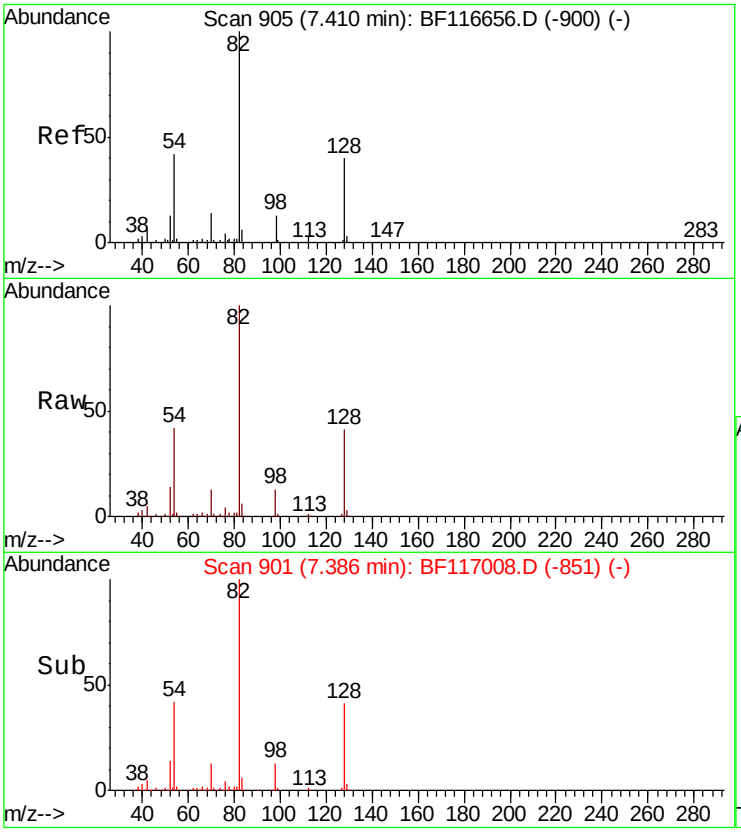




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

Tgt Ion:136 Resp: 225040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.5 | 12.7 |
| 54 | 5.4 | 3.8 | 5.8 |
| 68 | 4.7 | 3.6 | 5.4 |



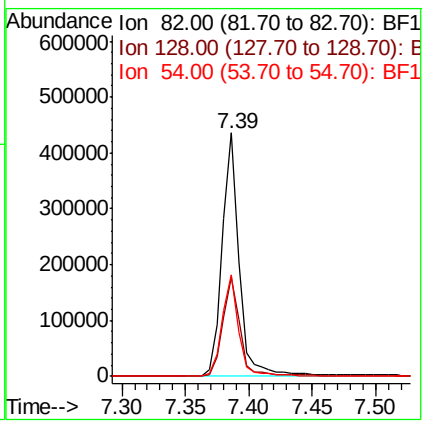


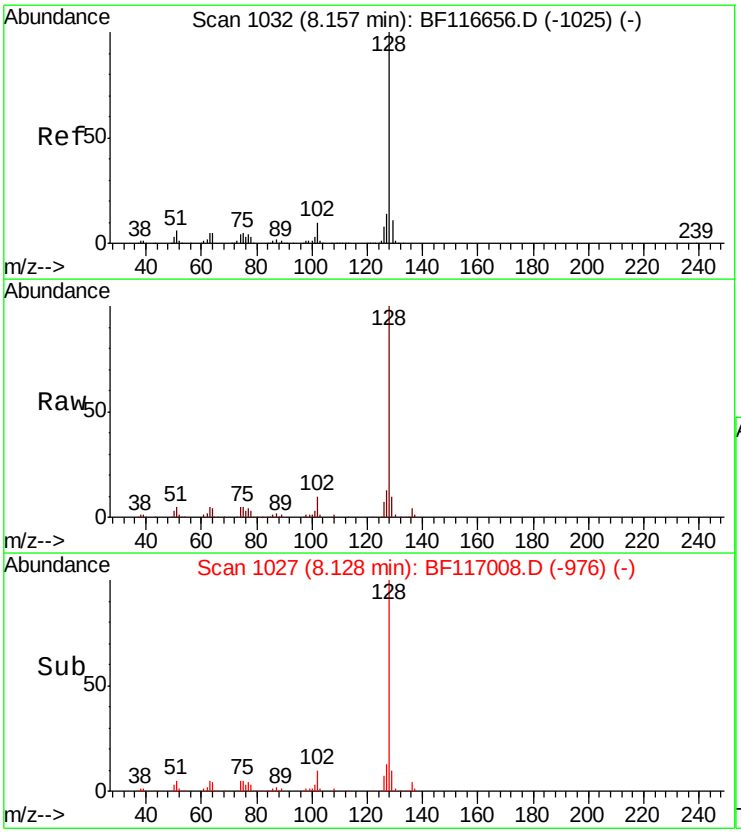

#23
Nitrobenzene-d5
Concen: 103.870 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

**Instrument :**
BNA_F
**ClientSampleId :**
AOC-7-(8)

Tgt Ion: 82 Resp: 409460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.5 | 35.0 | 52.4 |
| 54 | 41.6 | 32.6 | 48.8 |

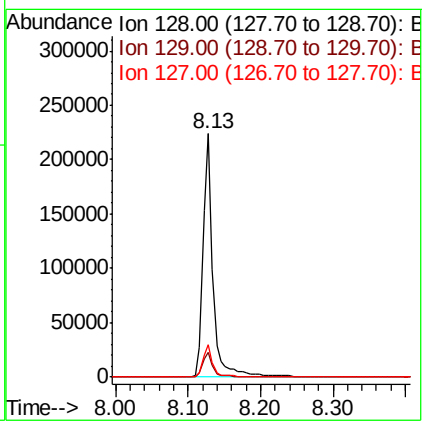


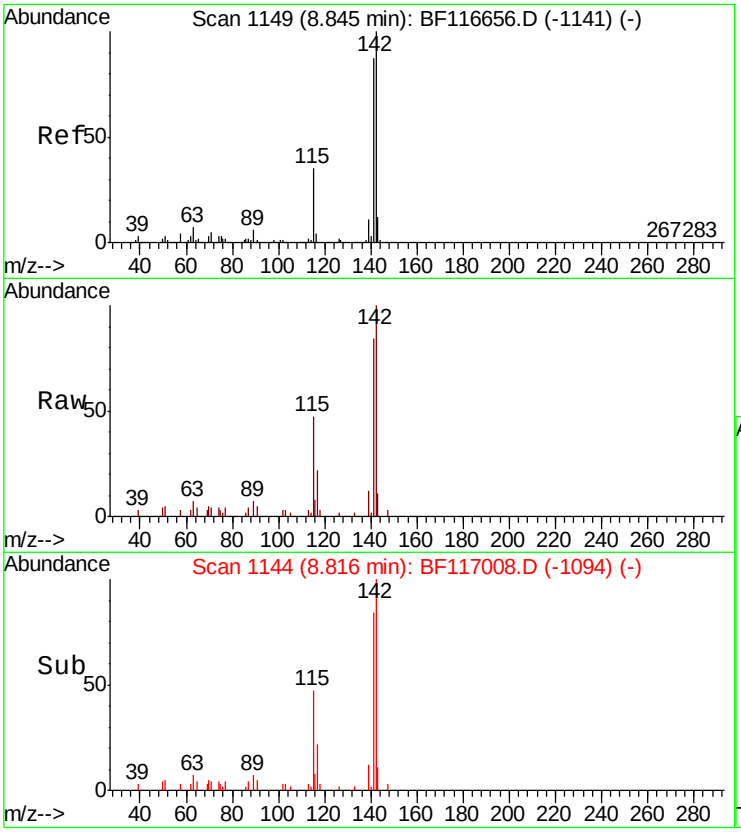




#31
Naphthalene
Concen: 20.128 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

Tgt Ion:128 Resp: 215386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.4 | 9.2 | 13.8 |
| 127 | 13.2 | 10.6 | 16.0 |



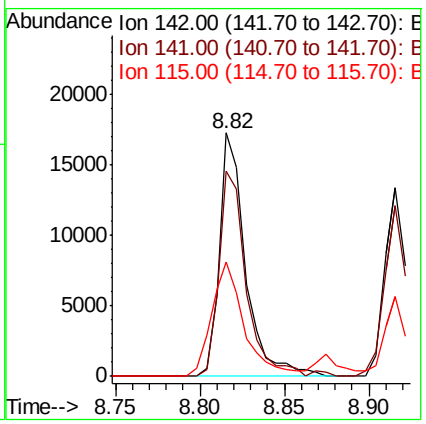


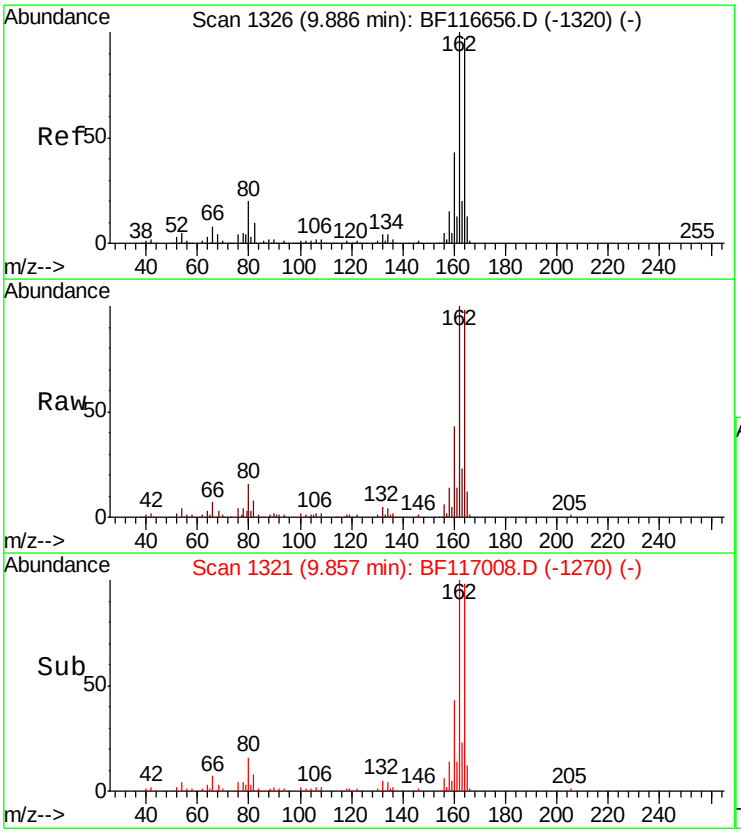

#37
2-Methylnaphthalene
Concen: 2.613 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

**Instrument :**
BNA_F
**ClientSampleId :**
AOC-7-(8)

Tgt Ion:142 Resp: 18607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 84.1 | 70.5 | 105.7 |
| 115 | 46.9 | 27.7 | 41.5# |

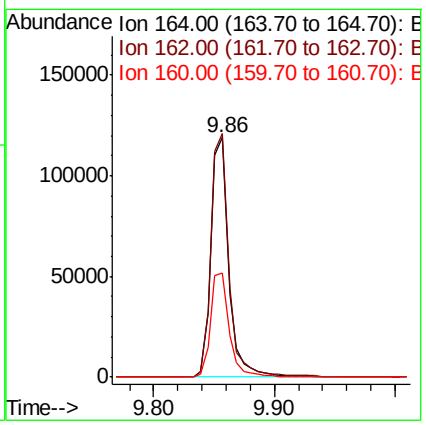


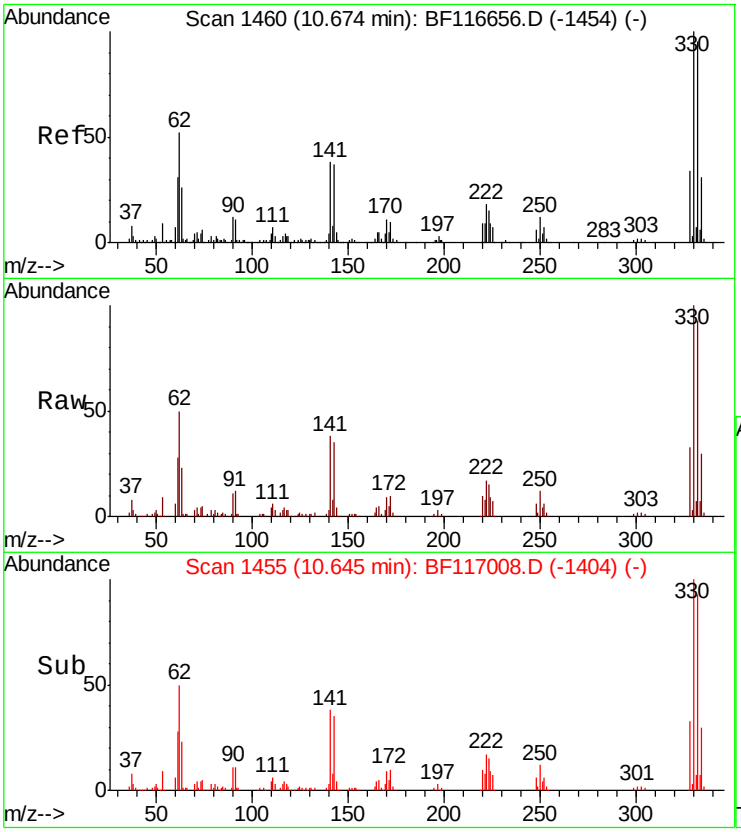




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

Tgt Ion:164 Resp: 120657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 81.8 | 122.6 |
| 160 | 43.6 | 35.7 | 53.5 |



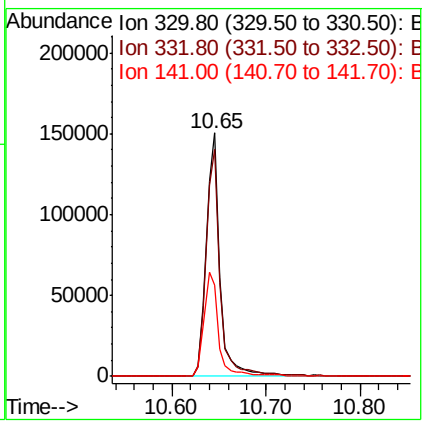


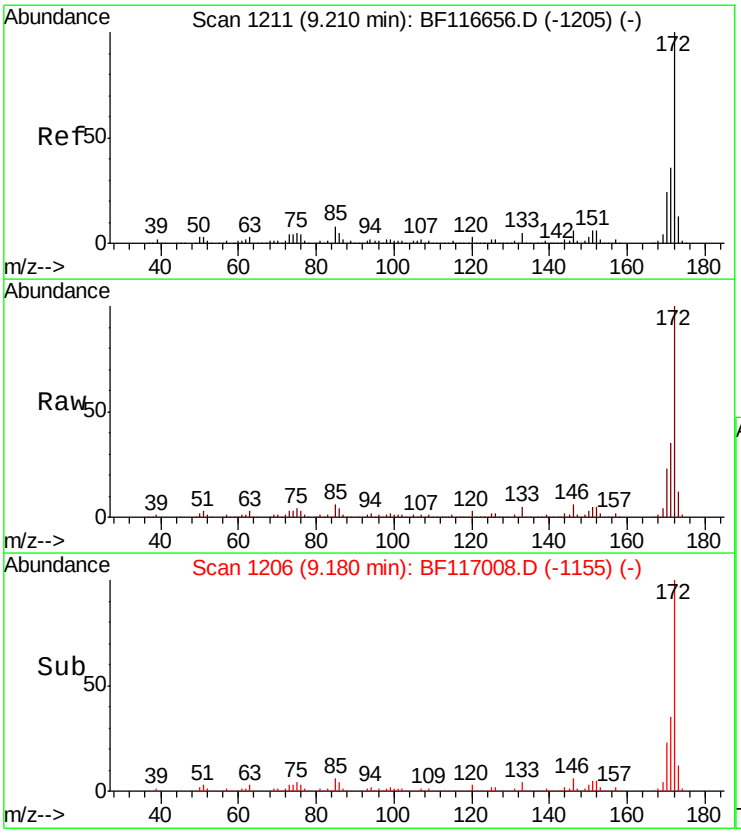

#42
2,4,6-Tribromophenol
Concen: 193.884 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

**Instrument :**
BNA_F
**ClientSampleId :**
AOC-7-(8)

Tgt Ion:330 Resp: 156390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.0 | 75.9 | 113.9 |
| 141 | 45.1 | 35.6 | 53.4 |

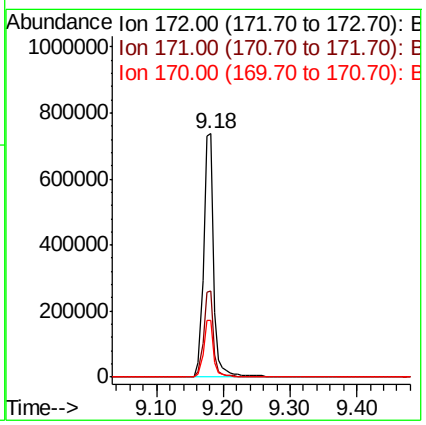


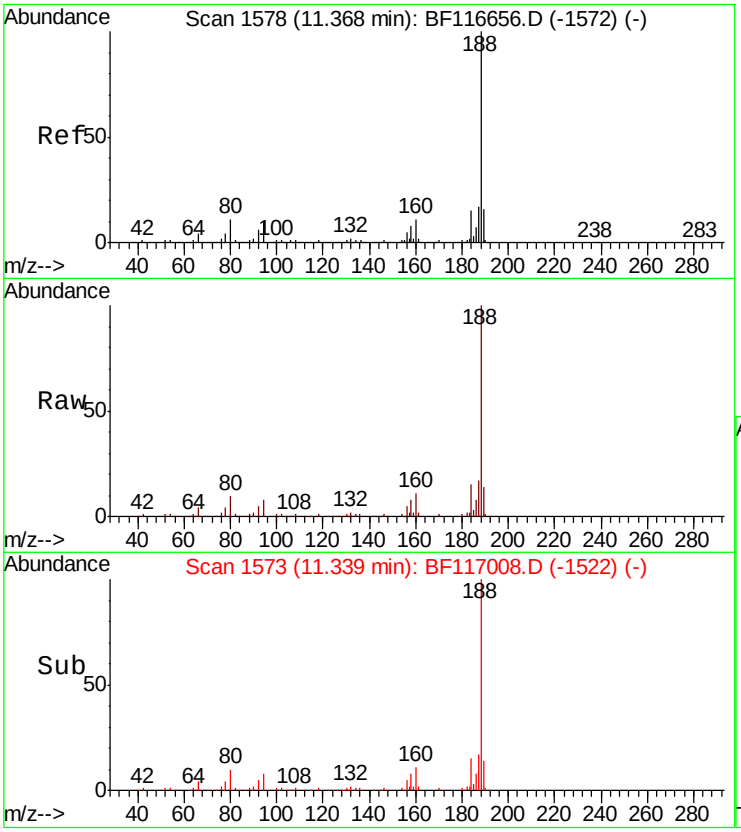




#45
2-Fluorobiphenyl
Concen: 108.434 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

Tgt Ion:172 Resp: 775587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 29.1 | 43.7 |
| 170 | 23.4 | 19.2 | 28.8 |



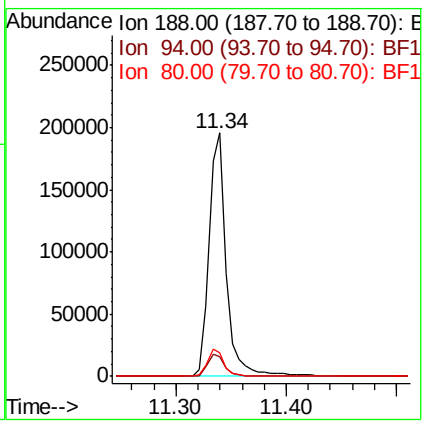


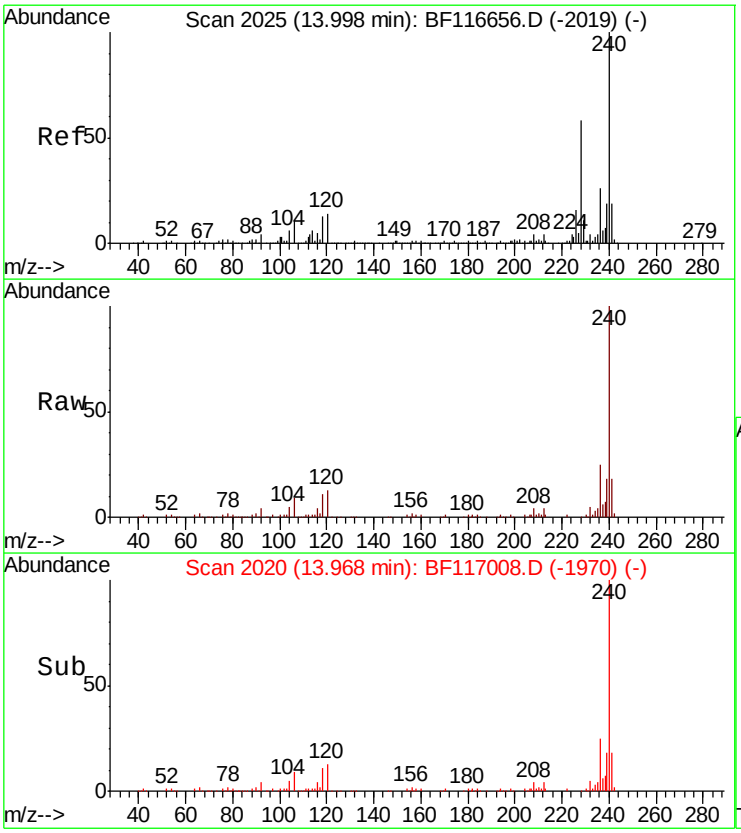

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

**Instrument :**
BNA_F
**ClientSampleId :**
AOC-7-(8)

Tgt Ion:188 Resp: 207452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 7.4 | 11.2 |
| 80 | 9.7 | 8.5 | 12.7 |

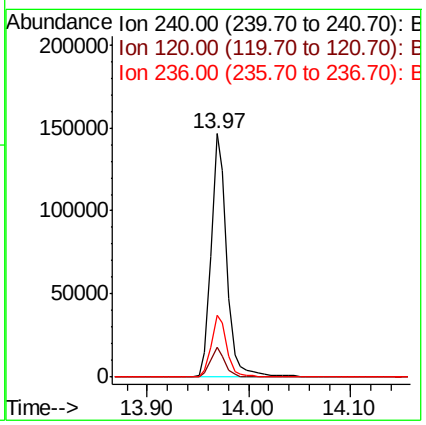


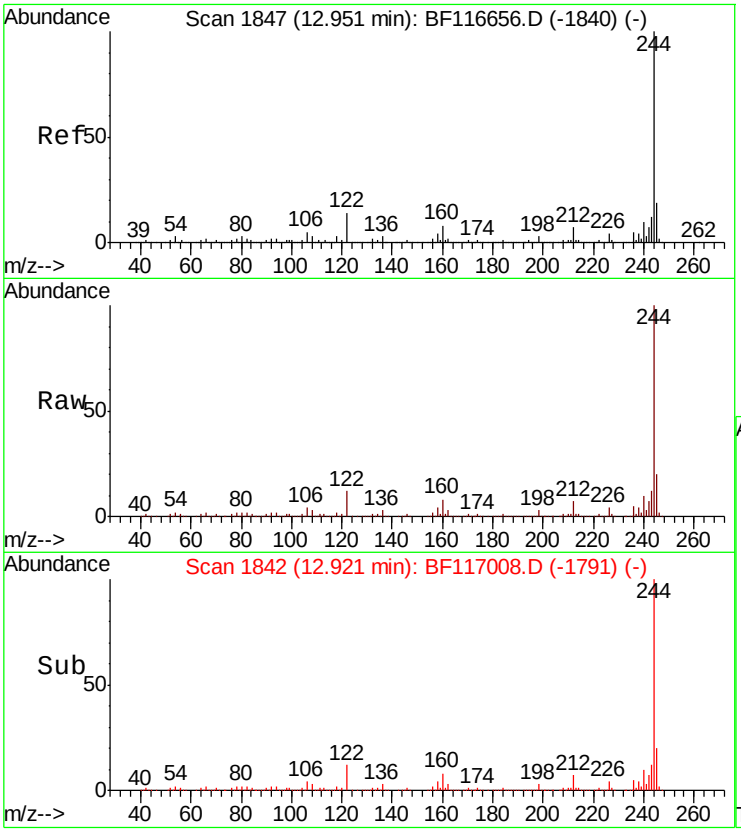




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

Tgt Ion:240 Resp: 156999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 9.1 | 13.7 |
| 236 | 25.3 | 20.9 | 31.3 |



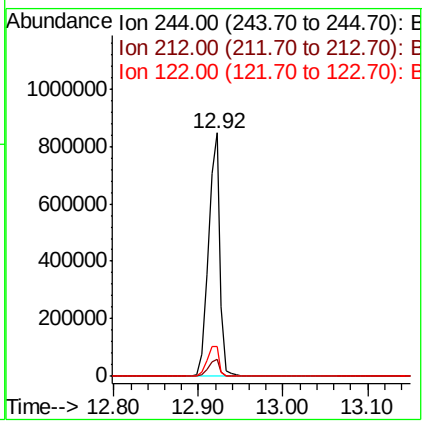


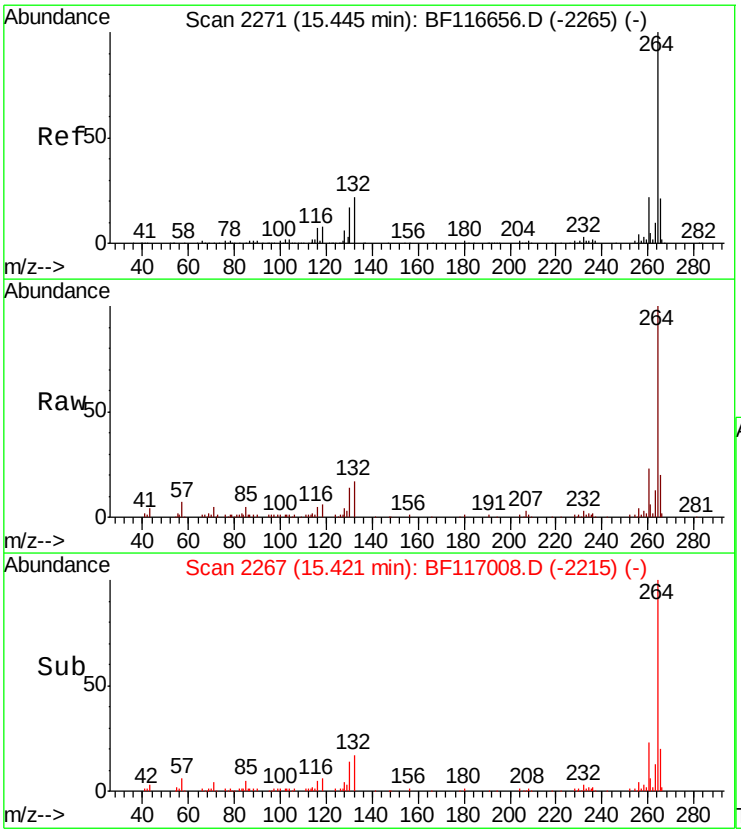

#79
Terphenyl-d14
Concen: 95.012 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

**Instrument :**
BNA_F
**ClientSampleId :**
AOC-7-(8)

Tgt Ion:244 Resp: 806338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 12.1 | 11.5 | 17.3 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF117008.D
Acq: 12 Sep 2019 23:24

Tgt Ion:264 Resp: 134390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.8 | 19.0 | 28.4 |
| 265 | 20.0 | 17.9 | 26.9 |