Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108129.D
Acq On : 13 Aug 2018 21:10
Operator : JU/SJ
Sample : J4442-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-1-3

Quant Time: Aug 14 02:04:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

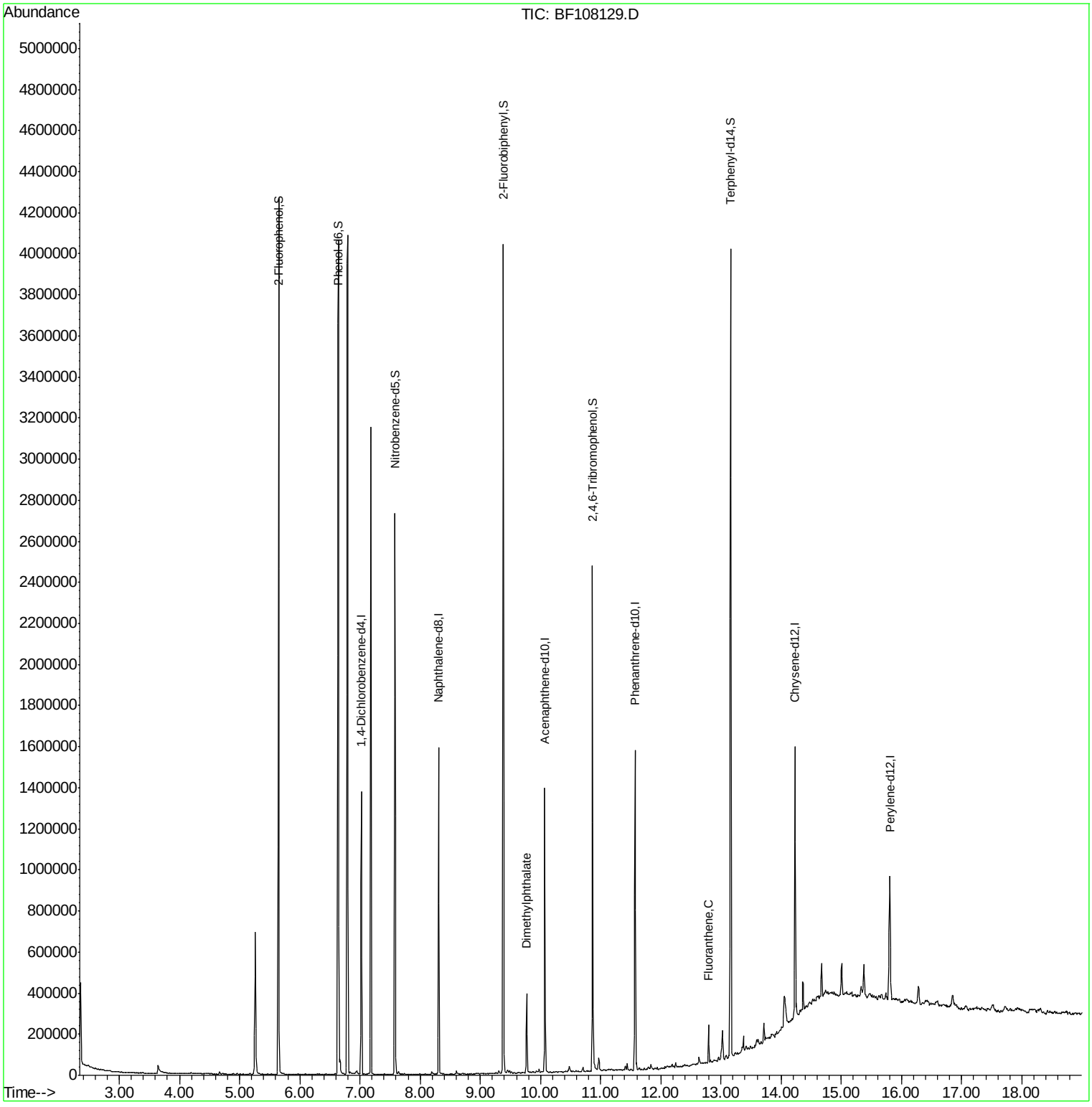
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.02 | 152 | 179812 | 20.00 | ng | 0.01 |
| 21) Naphthalene-d8 | 8.31 | 136 | 605443 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 10.07 | 164 | 260866 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.57 | 188 | 498260 | 20.00 | ng | 0.01 |
| 75) Chrysene-d12 | 14.23 | 240 | 432936 | 20.00 | ng | 0.01 |
| 86) Perylene-d12 | 15.81 | 264 | 282901 | 20.00 | ng | 0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 1018855 | 102.58 | ng | 0.02 |
| 7) Phenol-d6 | 6.64 | 99 | 1308379 | 99.13 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.58 | 82 | 796434 | 73.40 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.87 | 330 | 263014 | 101.08 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.38 | 172 | 1180975 | 72.68 | ng | 0.00 |
| 78) Terphenyl-d14 | 13.16 | 244 | 1295585 | 76.09 | ng | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 49) Dimethylphthalate | 9.77 | 163 | 125143 | 6.887 | ng | 99 |
| 74) Fluoranthene | 12.79 | 202 | 53506 | 2.086 | ng | 92 |

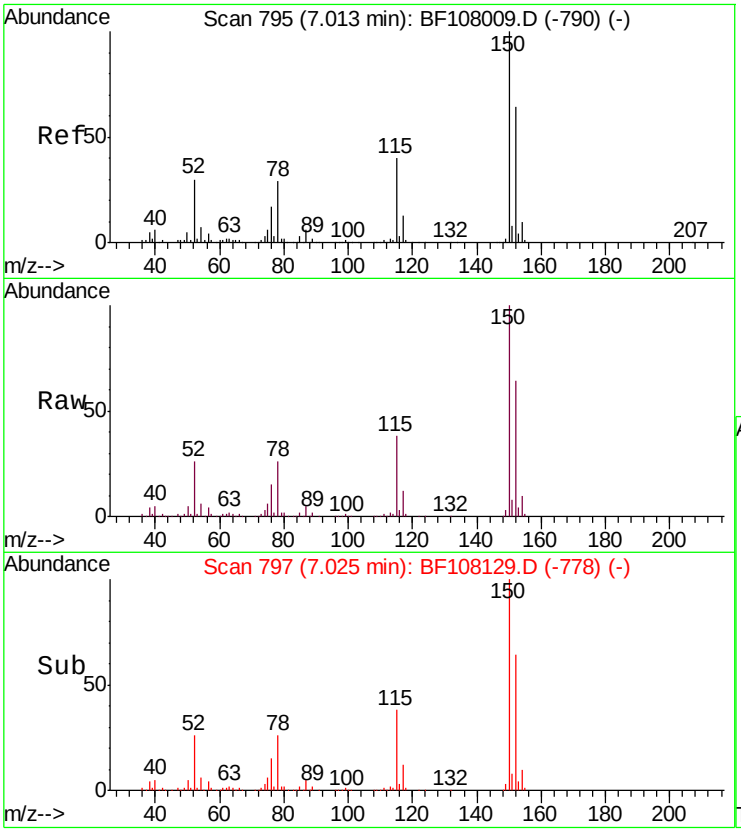
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108129.D
Acq On : 13 Aug 2018 21:10
Operator : JU/SJ
Sample : J4442-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-3

Quant Time: Aug 14 02:04:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration



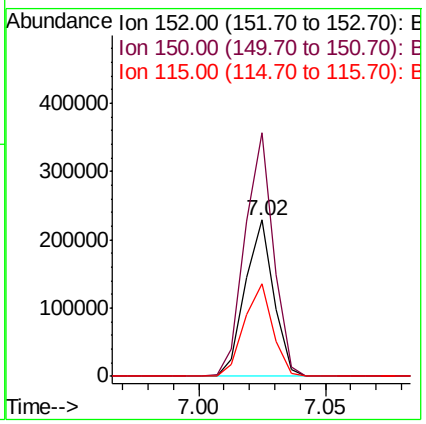


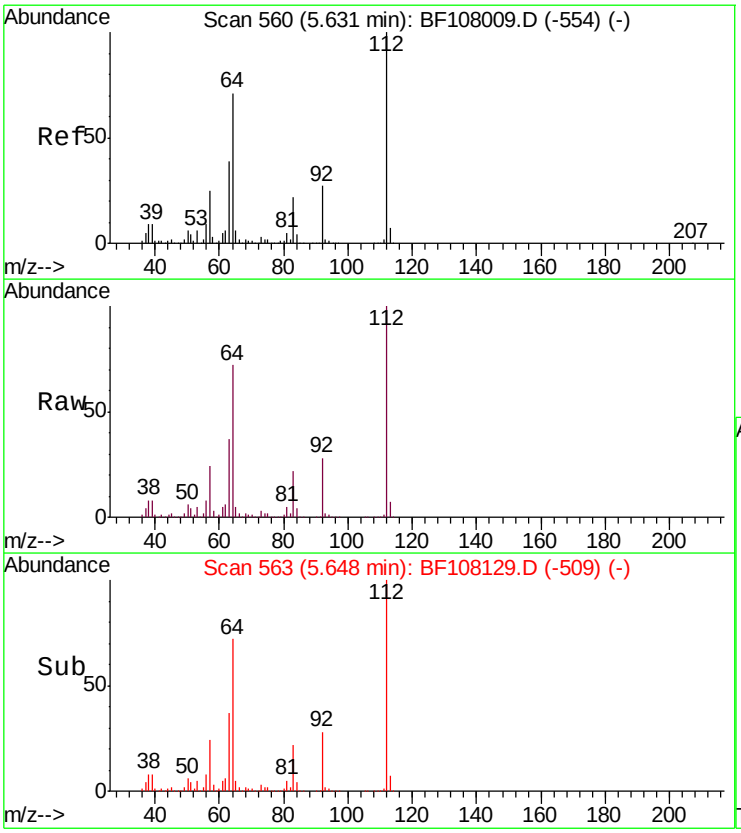

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-3

Tgt Ion:152 Resp: 179812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 124.6 | 186.8 |
| 115 | 59.3 | 50.1 | 75.1 |

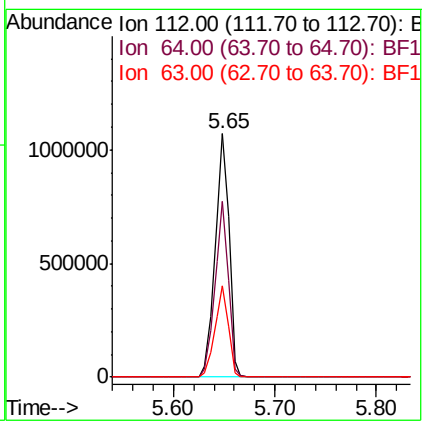


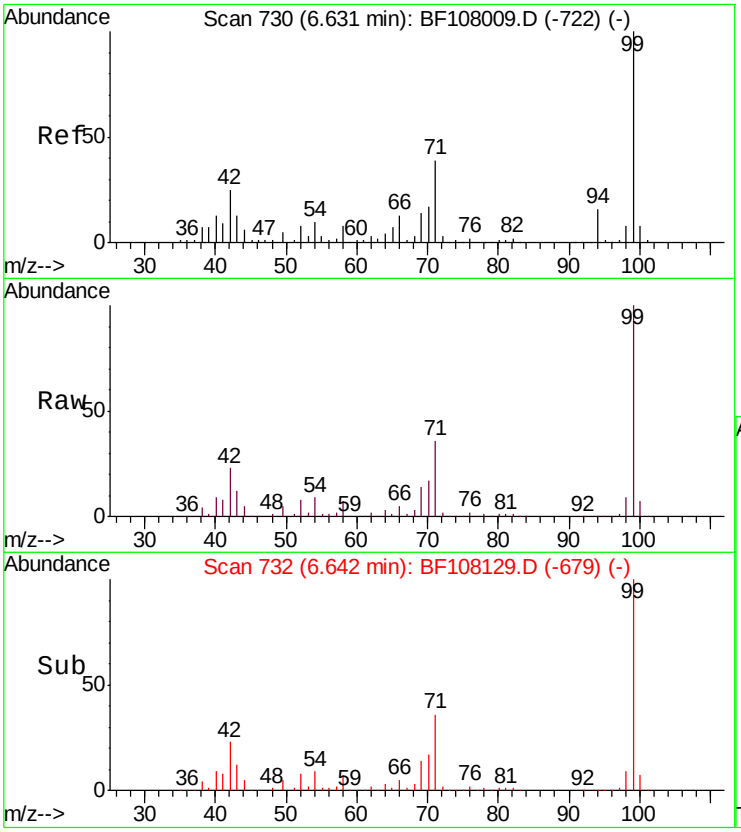




#5
2-Fluorophenol
Concen: 102.584 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion:112 Resp: 1018855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 72.0 | 47.9 | 71.9# |
| 63 | 37.4 | 23.7 | 35.5# |



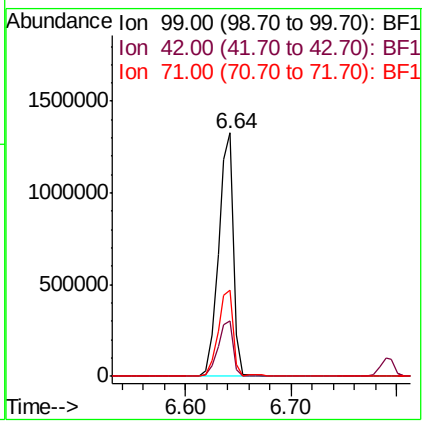


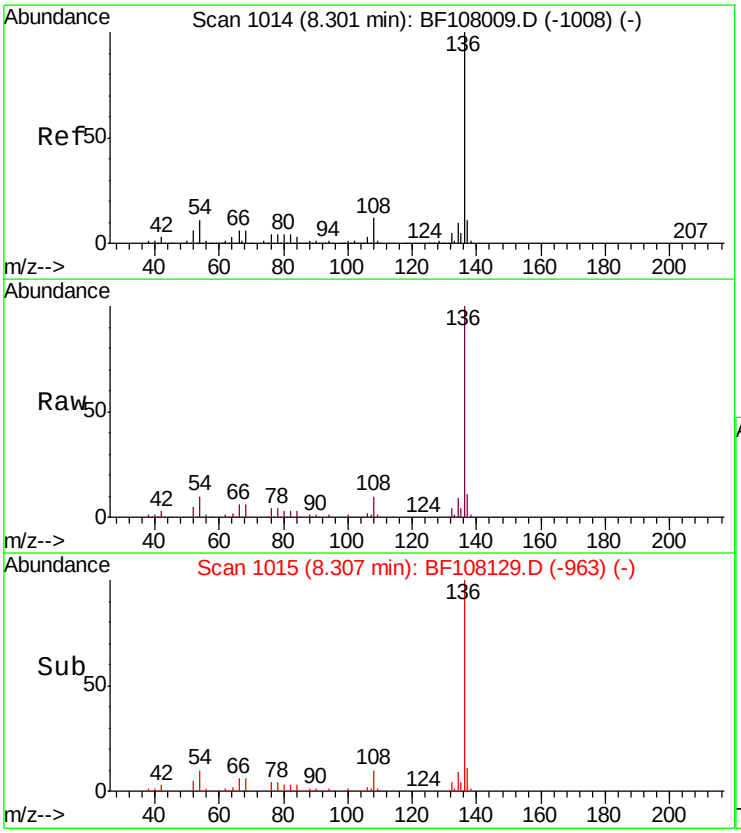

#7
Phenol-d6
Concen: 99.134 ng
RT: 6.64 min Scan# 732
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-3

Tgt Ion: 99 Resp: 1308379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.8 | 14.5 | 21.7# |
| 71 | 35.5 | 25.4 | 38.0 |

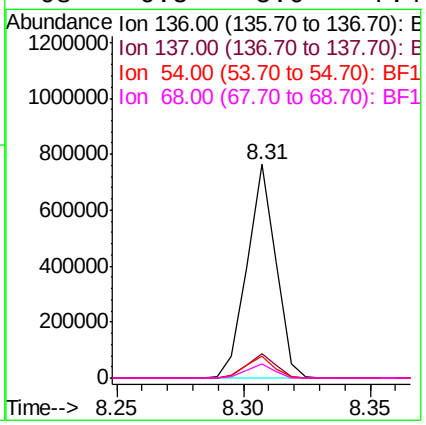


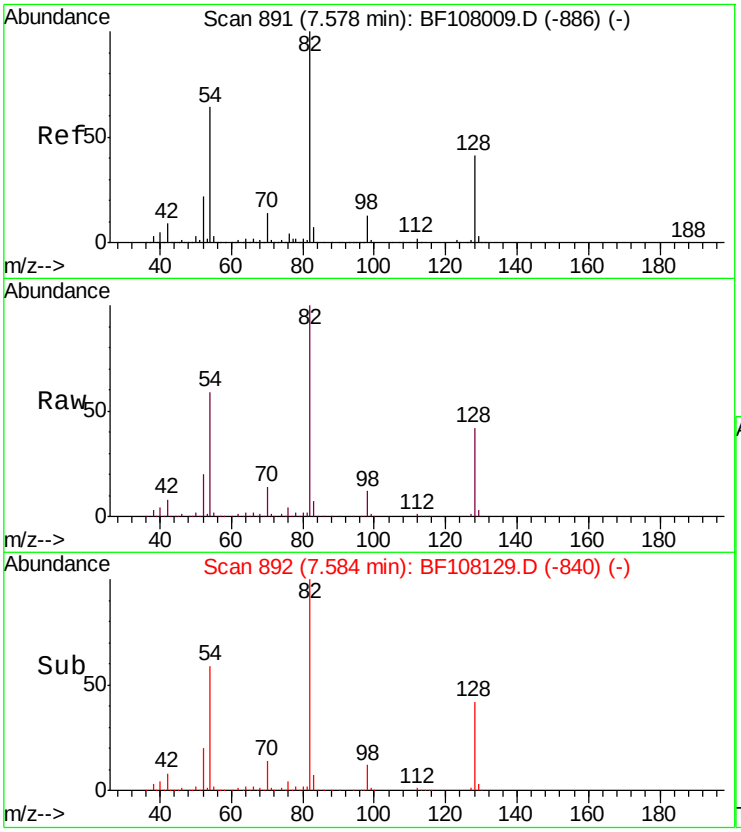




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion:136 Resp: 605443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 10.0 | 6.6 | 9.8# |
| 68 | 6.5 | 5.0 | 7.4 |



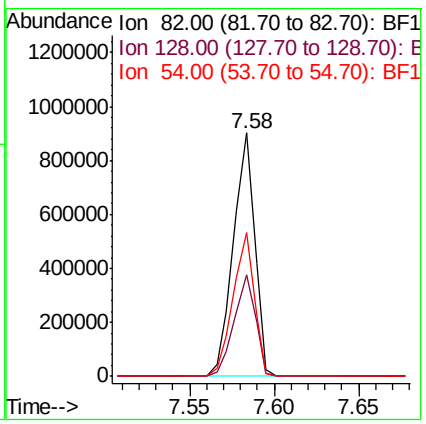


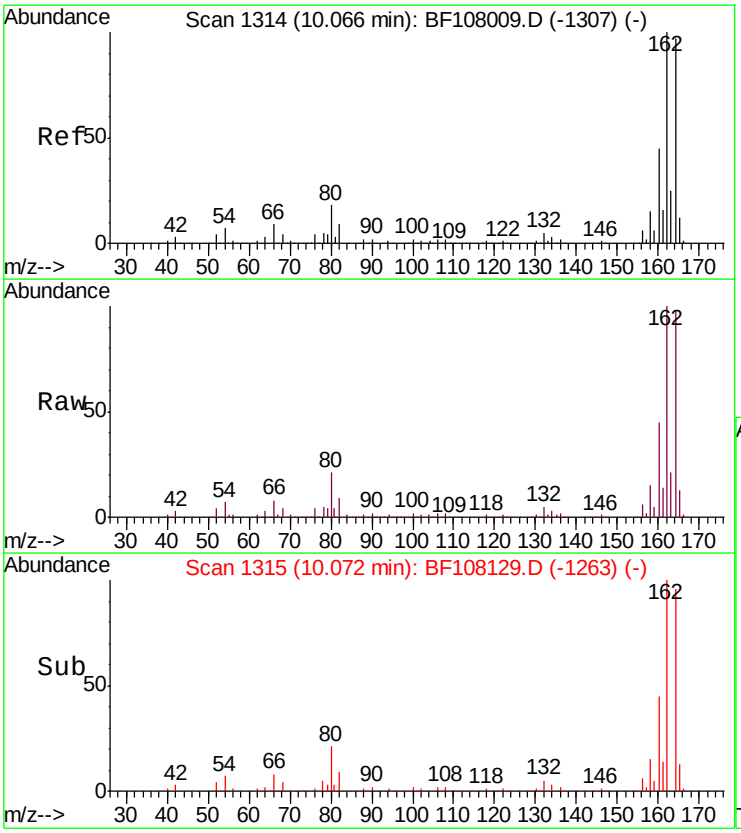

#23
Nitrobenzene-d5
Concen: 73.404 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-3

Tgt Ion: 82 Resp: 796434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.7 | 36.1 | 54.1 |
| 54 | 59.2 | 41.4 | 62.2 |

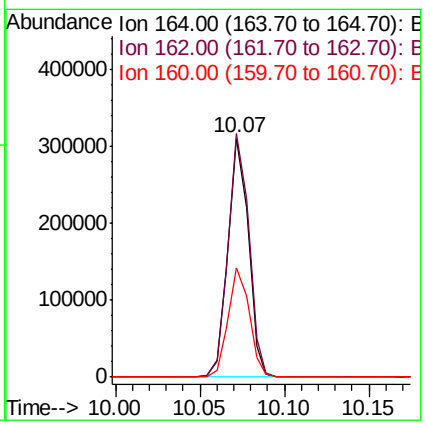


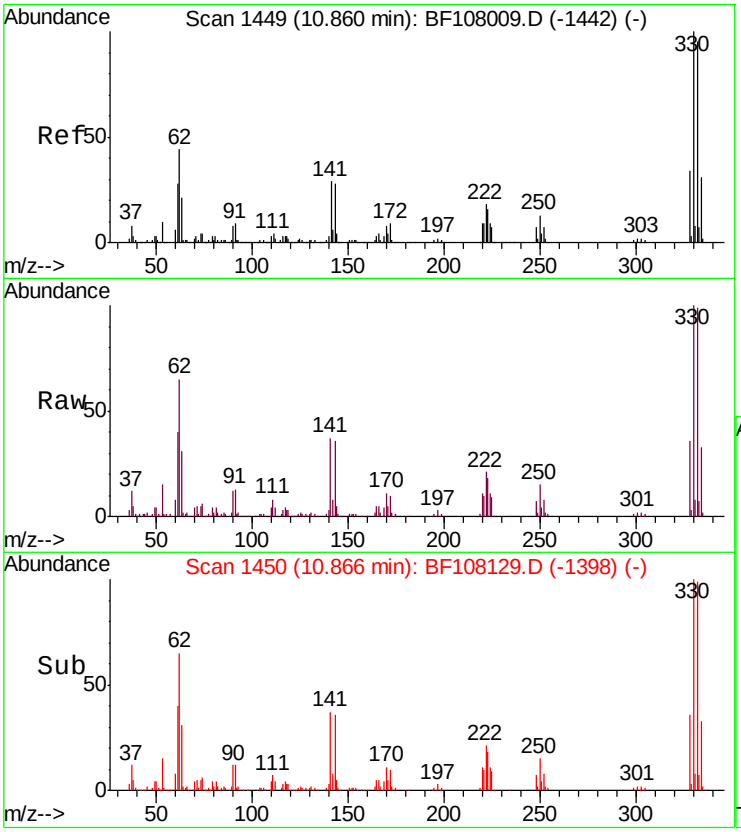




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion:164 Resp: 260866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 86.1 | 129.1 |
| 160 | 45.9 | 38.3 | 57.5 |



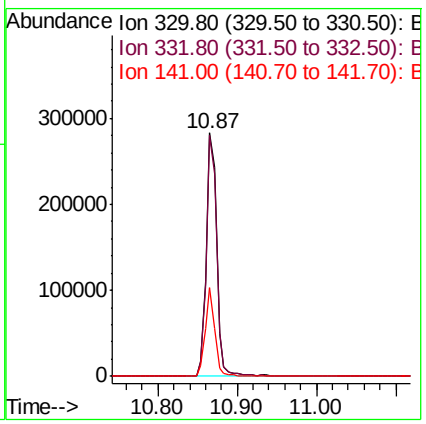


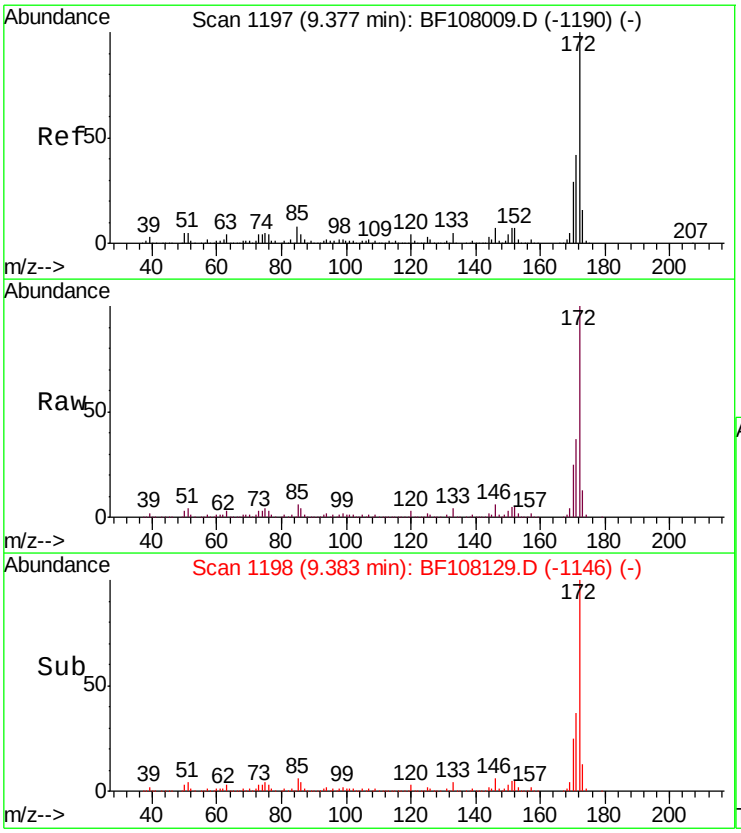

#41
2,4,6-Tribromophenol
Concen: 101.079 ng
RT: 10.87 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-3

Tgt Ion:330 Resp: 263014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 77.0 | 115.6 |
| 141 | 33.2 | 29.9 | 44.9 |

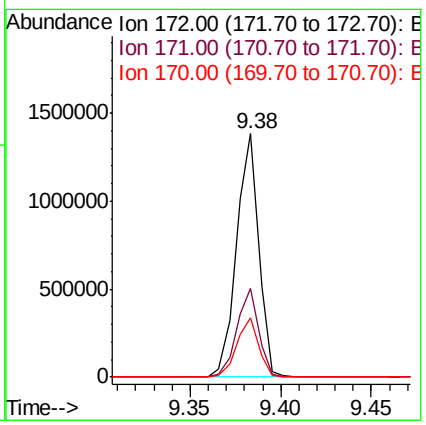


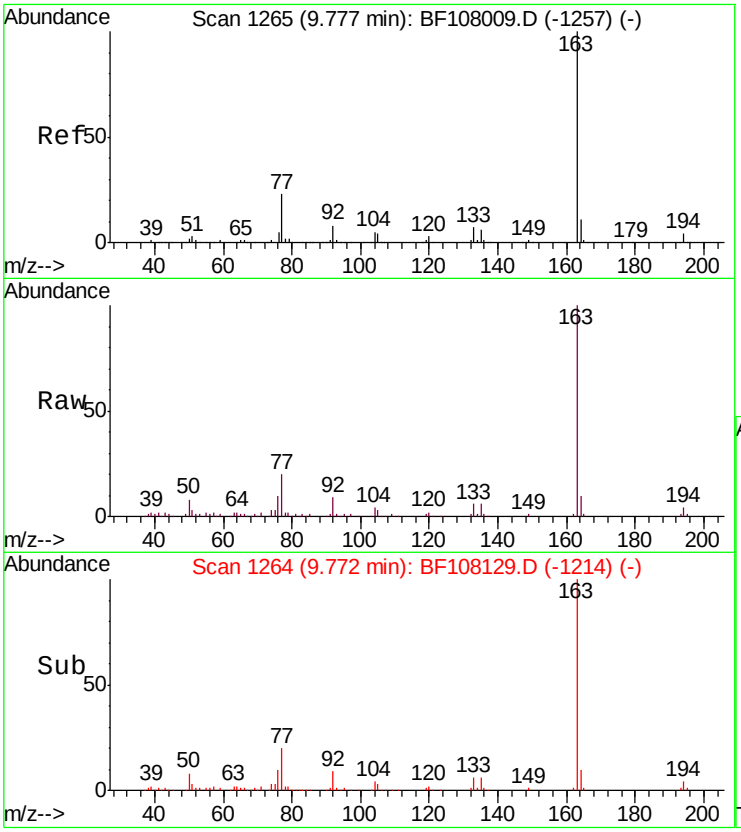




#44
2-Fluorobiphenyl
Concen: 72.682 ng
RT: 9.38 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion:172 Resp: 1180975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 29.7 | 44.5 |
| 170 | 24.5 | 19.6 | 29.4 |



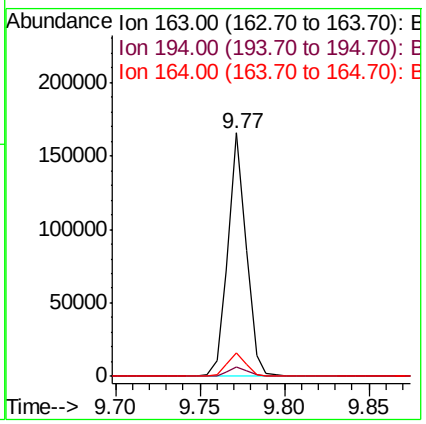


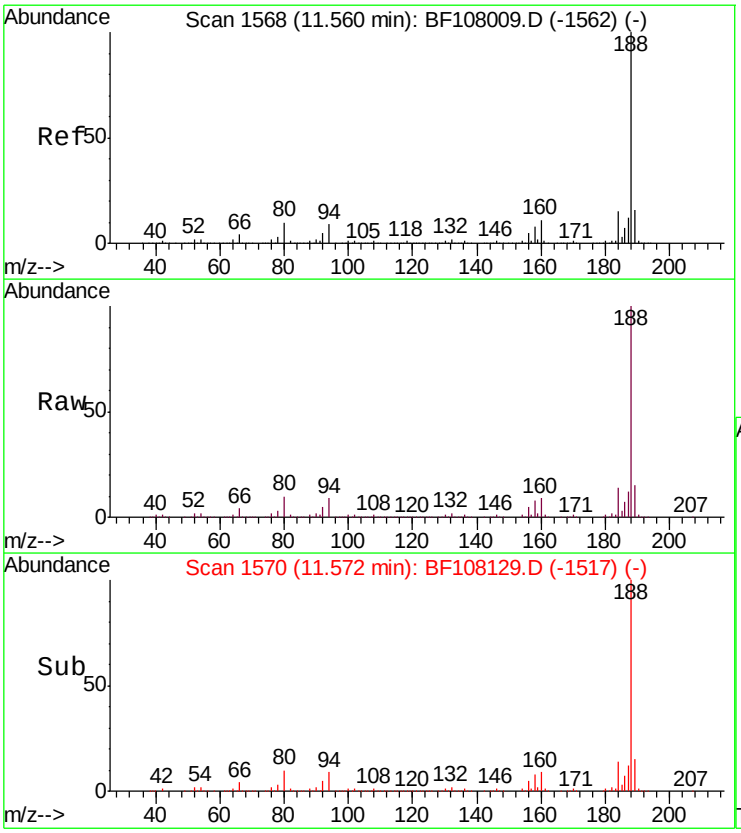

#49
Dimethylphthalate
Concen: 6.887 ng
RT: 9.77 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-3

Tgt Ion:163 Resp: 125143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 2.7 | 4.1 |
| 164 | 9.8 | 8.2 | 12.2 |

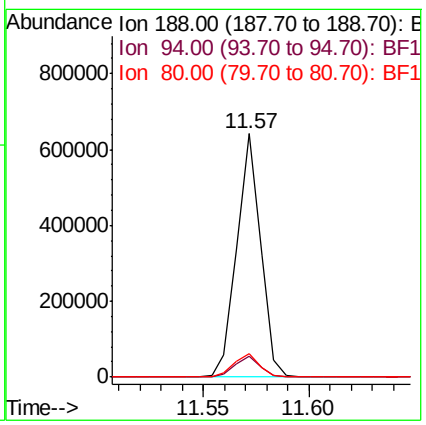


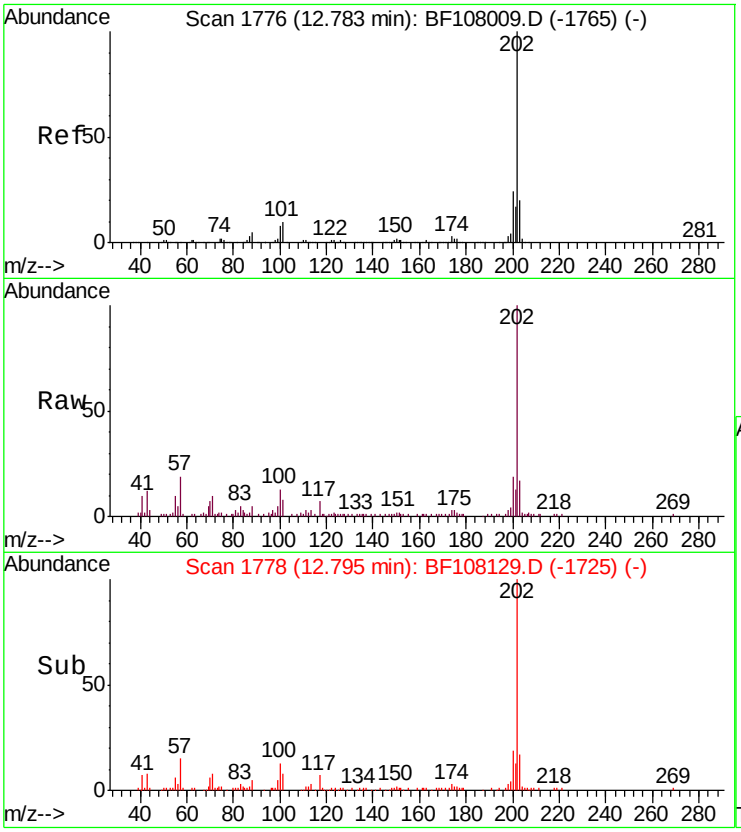




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion:188 Resp: 498260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 8.5 | 12.7 |
| 80 | 9.6 | 9.2 | 13.8 |



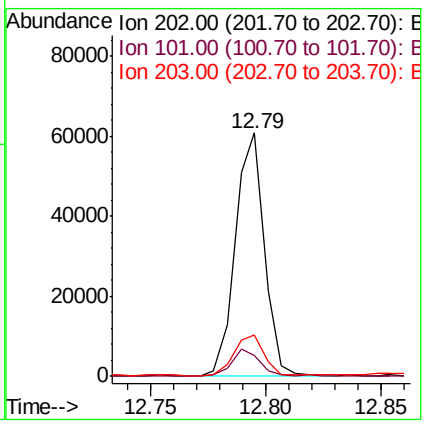


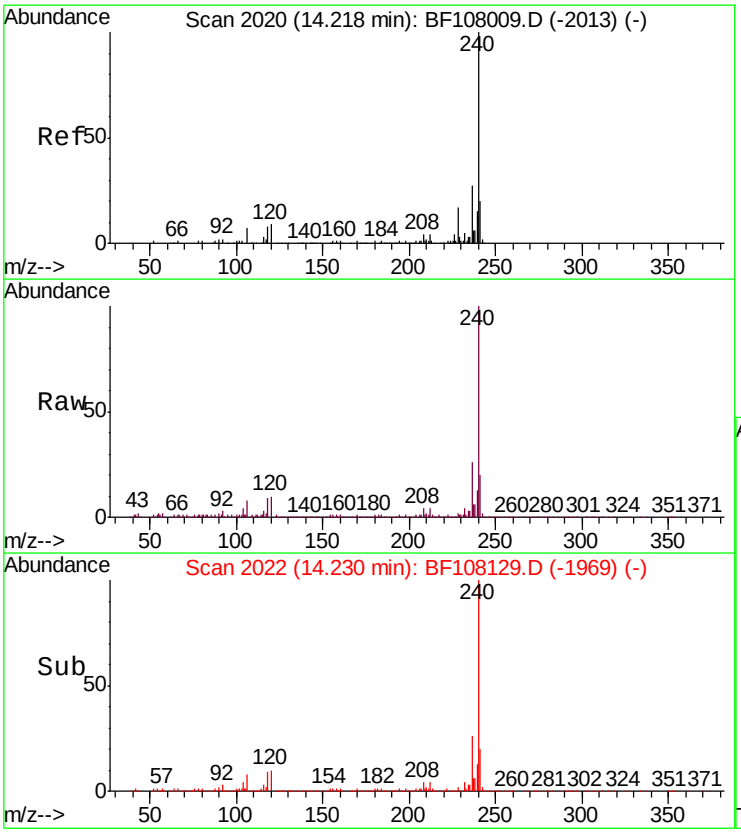

#74
Fluoranthene
Concen: 2.086 ng
RT: 12.79 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-3

Tgt Ion:202 Resp: 53506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.5 | 0.0 | 34.1 |
| 203 | 16.9 | 0.0 | 38.1 |

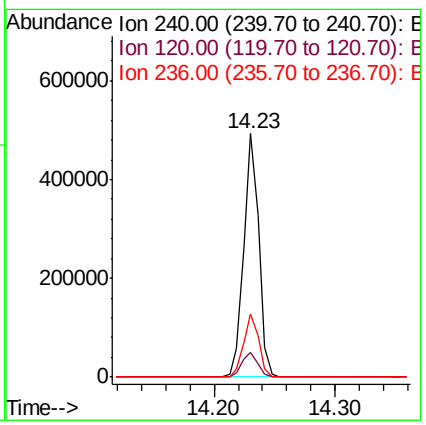


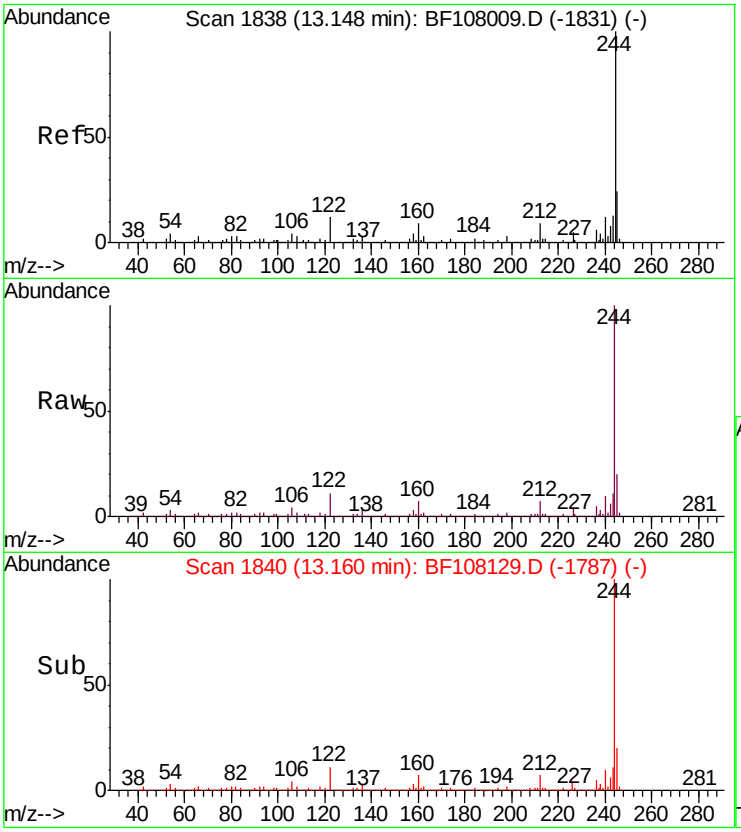




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.23 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion:240 Resp: 432936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.1 | 9.5 | 14.3 |
| 236 | 25.9 | 20.7 | 31.1 |



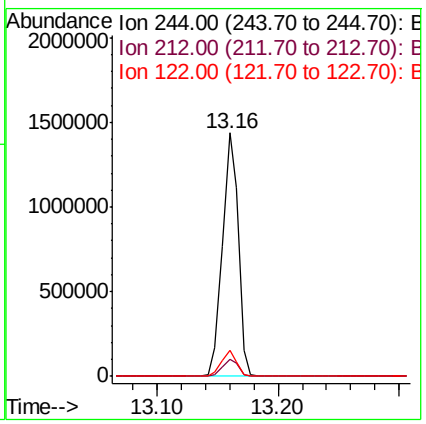


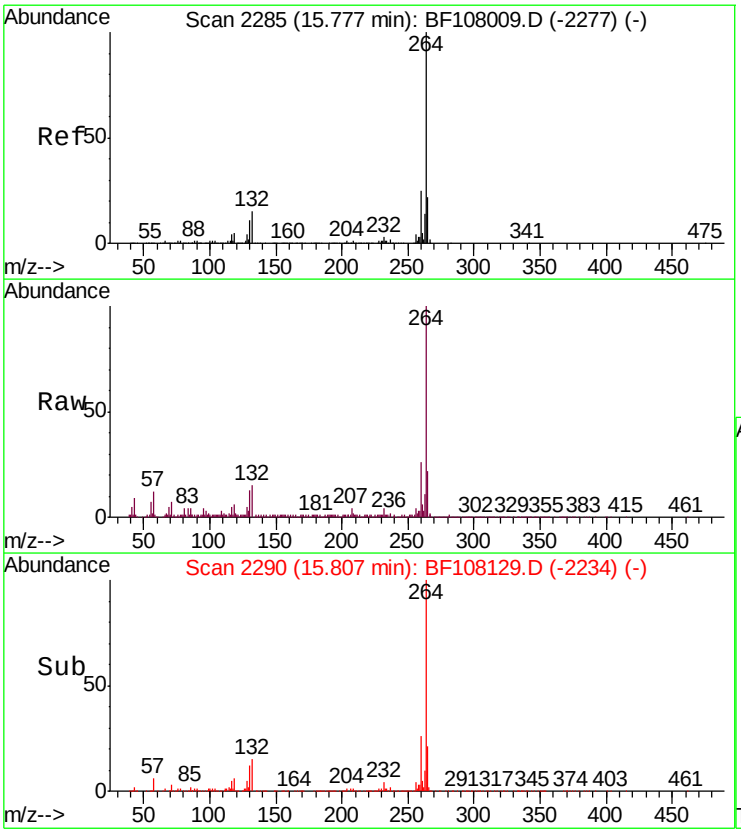

#78
Terphenyl-d14
Concen: 76.088 ng
RT: 13.16 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

**Instrument :**
BNA_F
**ClientSampleId :**
SP-1-3

Tgt Ion:244 Resp: 1295585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.4 | 8.0 |
| 122 | 10.8 | 11.0 | 16.4# |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2290
Delta R.T. 0.03 min
Lab File: BF108129.D
Acq: 13 Aug 2018 21:10

Tgt Ion:264 Resp: 282901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.1 | 19.2 | 28.8 |
| 265 | 21.5 | 17.5 | 26.3 |