Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
Data File : BN007791.D
Acq On : 21 Sep 2019 08:27
Operator : HP/JU
Sample : K4974-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DUP04-20190916

Quant Time: Sep 23 02:41:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.69 | 152 | 6461 | 0.40 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.46 | 136 | 24116 | 0.40 | ng | -0.01 |
| 13) Acenaphthene-d10 | 14.31 | 164 | 13897 | 0.40 | ng | -0.01 |
| 19) Phenanthrene-d10 | 17.06 | 188 | 31256 | 0.40 | ng | -0.01 |
| 27) Chrysene-d12 | 21.25 | 240 | 34200 | 0.40 | ng | -0.02 |
| 34) Perylene-d12 | 23.47 | 264 | 39361 | 0.40 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.31 | 112 | 2149 | 0.10 | ng | 0.00 |
| 5) Phenol-d6 | 6.87 | 99 | 1607 | 0.05 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.83 | 82 | 5652 | 0.27 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 13531 | 0.33 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.81 | 330 | 1359 | 0.18 | ng | -0.01 |
| 15) 2-Fluorobiphenyl | 12.93 | 172 | 19384 | 0.34 | ng | -0.01 |
| 25) Fluoranthene-d10 | 19.09 | 212 | 36171 | 0.34 | ng | -0.01 |
| 29) Terphenyl-d14 | 19.70 | 244 | 32512 | 0.39 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.28 | 88 | 47245 | 6.561 | ng | # 94 |

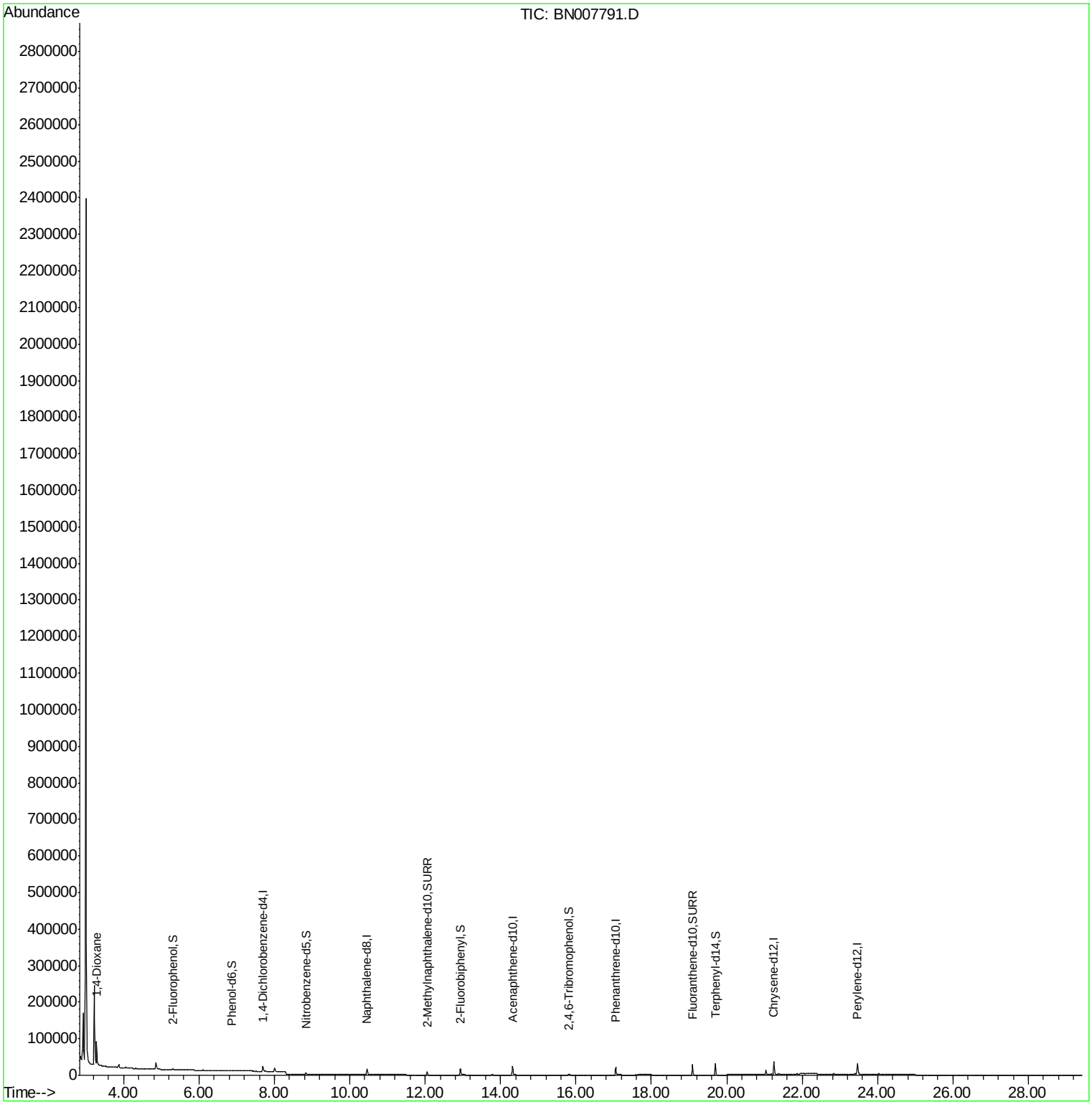
(#) = qualifier out of range (m) = manual integration (+) = signals summed

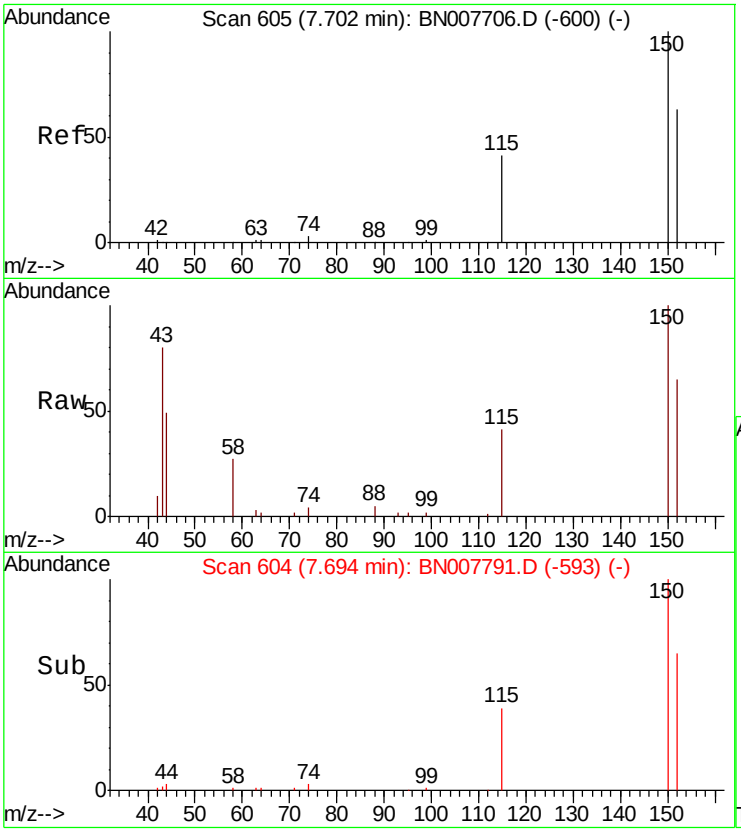
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
Data File : BN007791.D
Acq On : 21 Sep 2019 08:27
Operator : HP/JU
Sample : K4974-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP04-20190916

Quant Time: Sep 23 02:41:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration



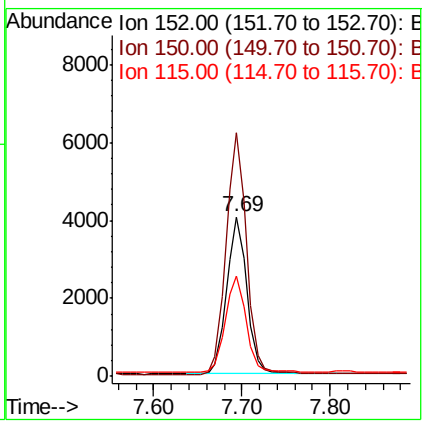


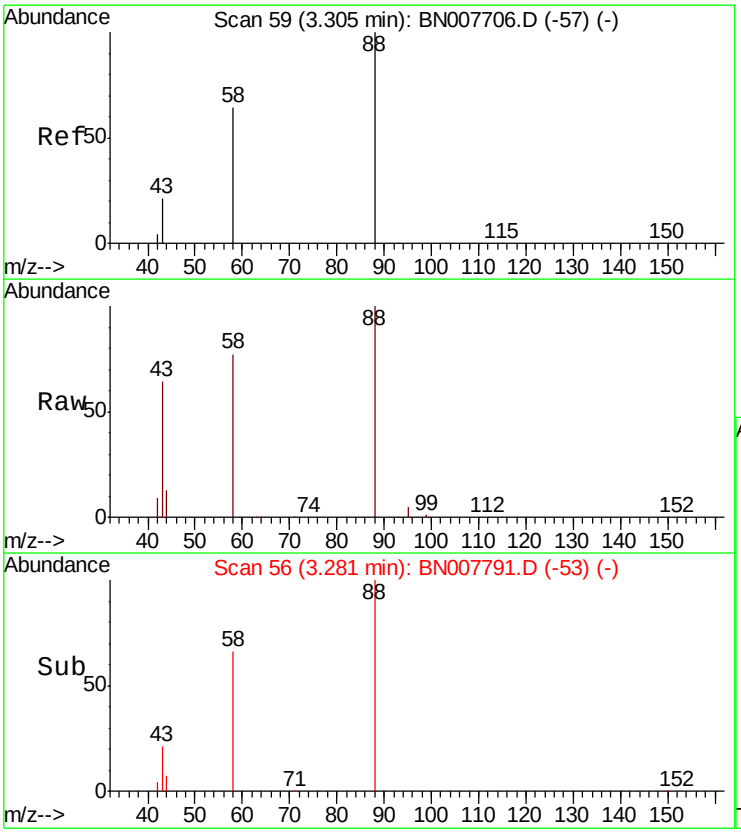

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

**Instrument :**
BNA_N
**ClientSampleId :**
DUP04-20190916

Tgt Ion:152 Resp: 6461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.0 | 125.6 | 188.4 |
| 115 | 62.7 | 53.3 | 79.9 |

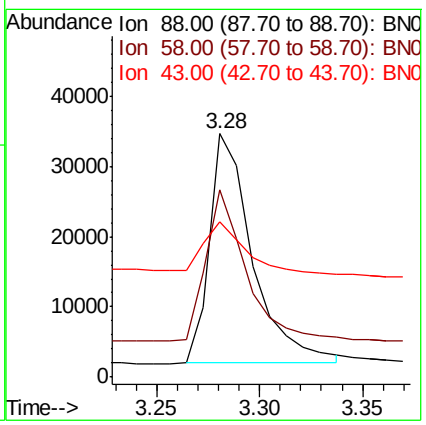


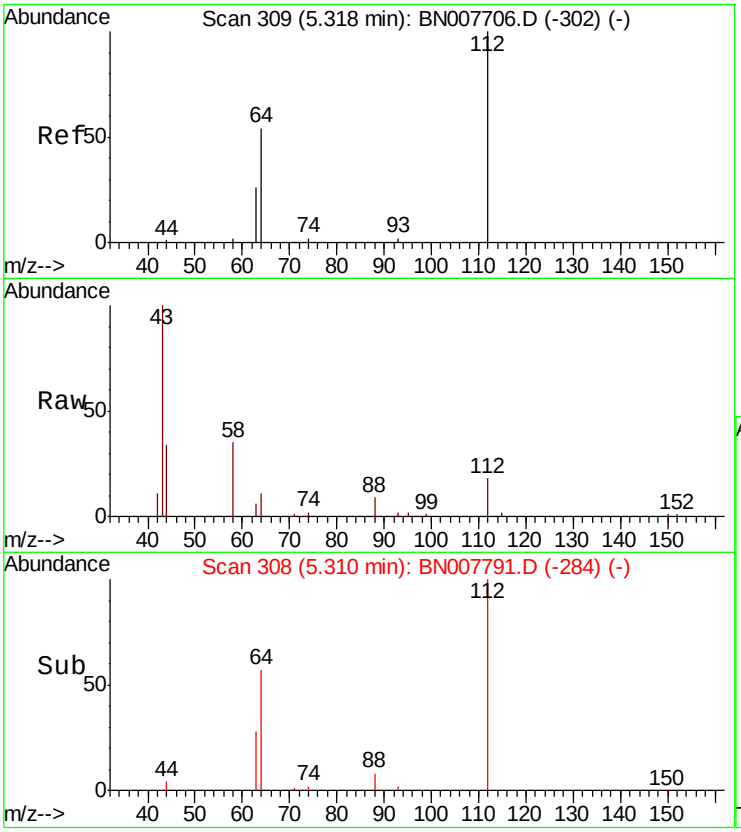




#2
1,4-Dioxane
Concen: 6.561 ng
RT: 3.28 min Scan# 56
Delta R.T. -0.02 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

Tgt Ion: 88 Resp: 47245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 59.8 | 44.6 | 66.8 |
| 43 | 21.8 | 14.4 | 21.6# |



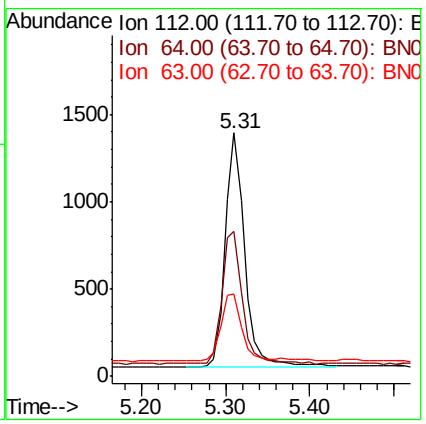


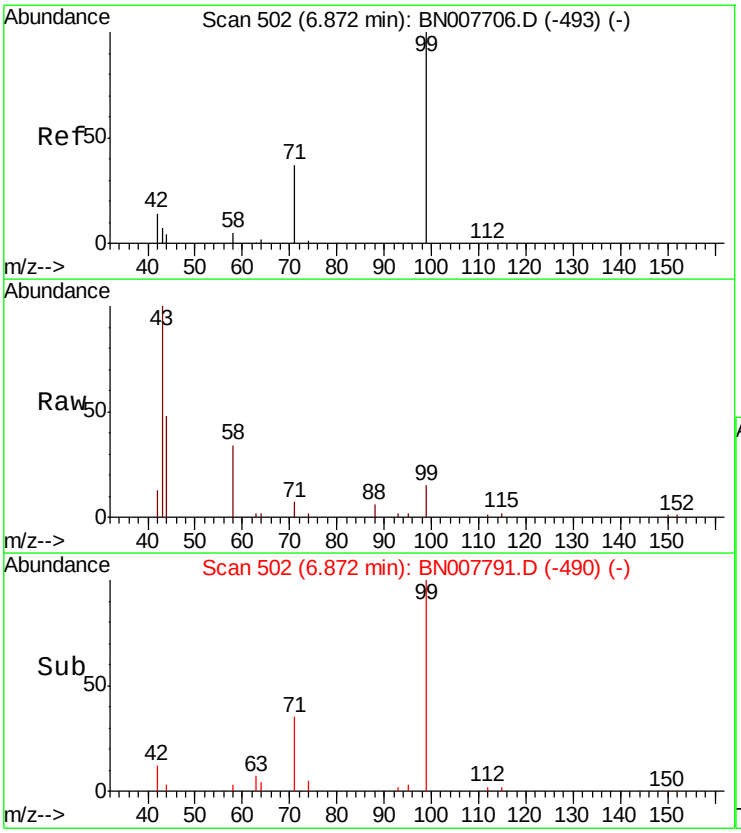

#4
2-Fluorophenol
Concen: 0.097 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

**Instrument :**
BNA_N
**ClientSampleId :**
DUP04-20190916

Tgt Ion:112 Resp: 2149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.2 | 46.6 | 70.0 |
| 63 | 30.3 | 23.1 | 34.7 |

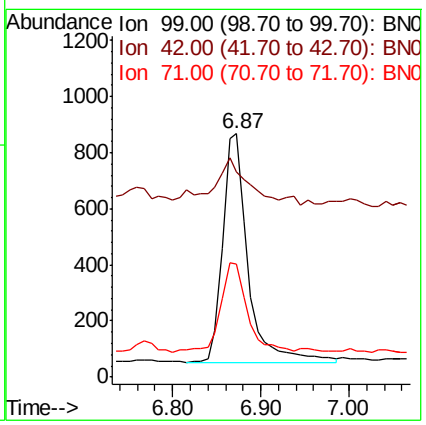


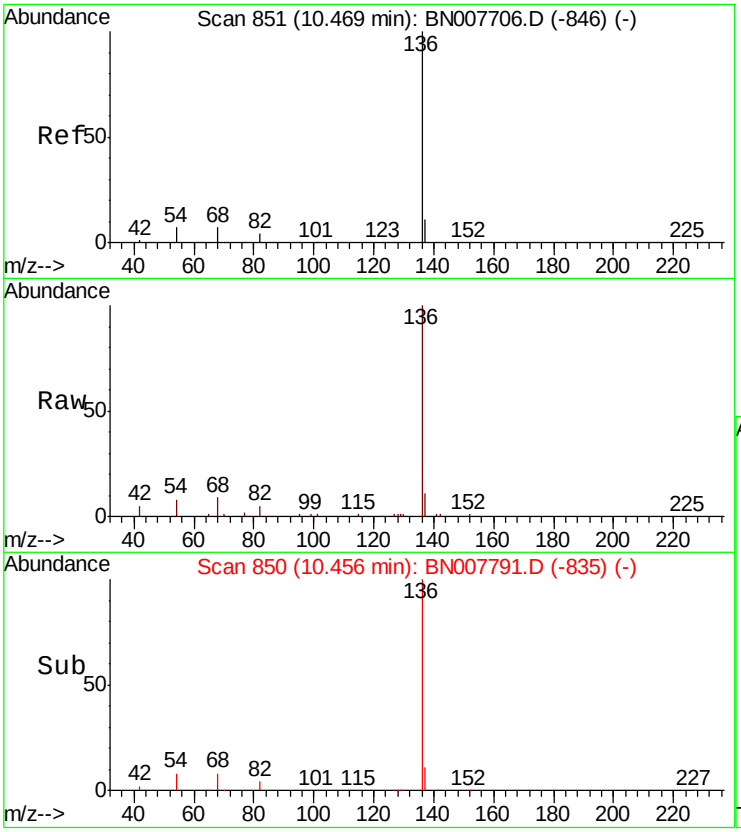




#5
Phenol-d6
Concen: 0.052 ng
RT: 6.87 min Scan# 502
Delta R.T. 0.00 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

Tgt Ion: 99 Resp: 1607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.4 | 12.8 | 19.2 |
| 71 | 41.1 | 27.6 | 41.4 |



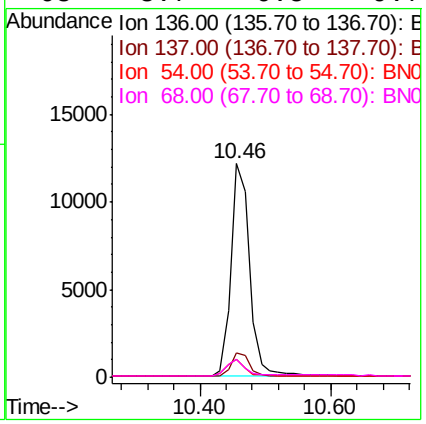


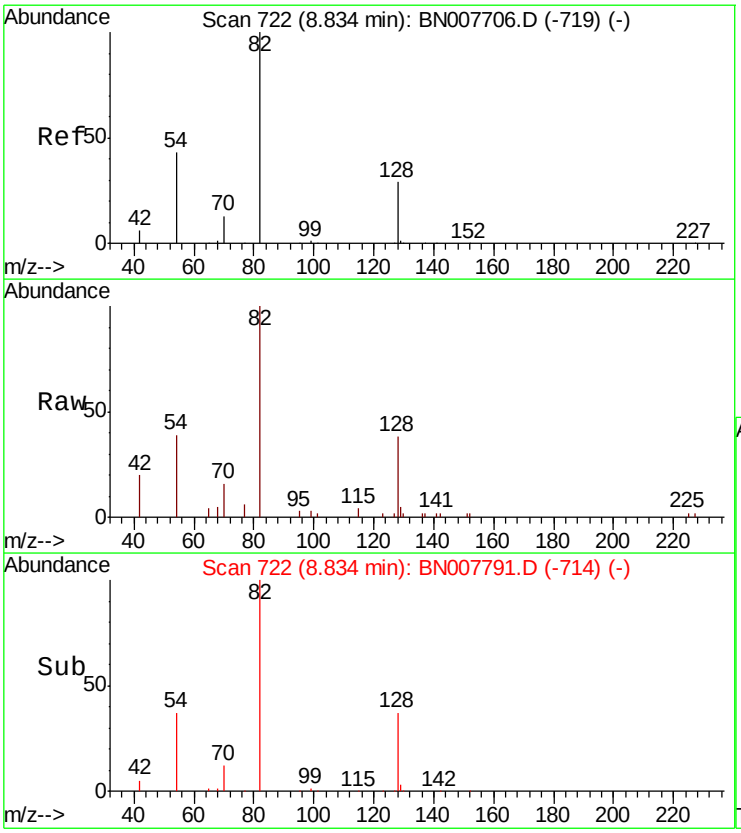

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

**Instrument :**
BNA_N
**ClientSampleId :**
DUP04-20190916

Tgt Ion:136 Resp: 24116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.2 | 13.8 |
| 54 | 8.3 | 5.8 | 8.8 |
| 68 | 8.7 | 6.5 | 9.7 |

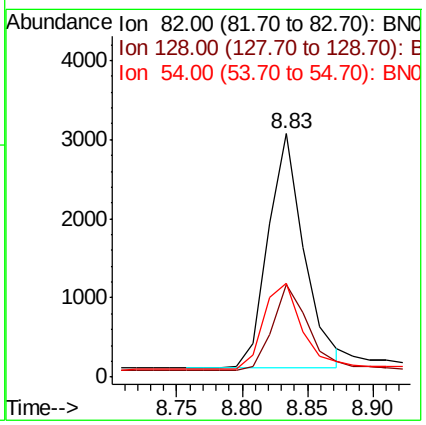


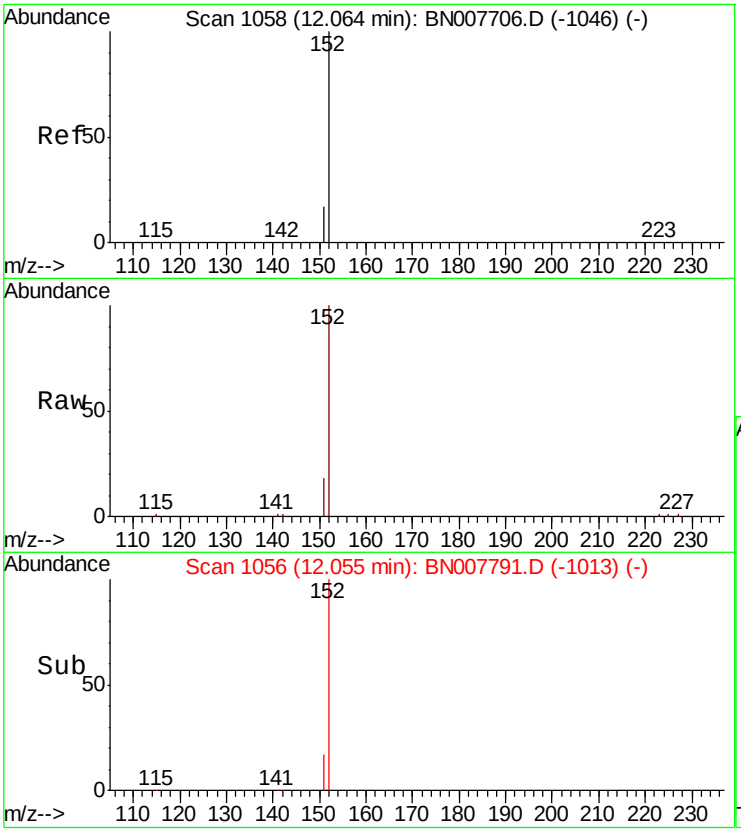




#8
Nitrobenzene-d5
Concen: 0.268 ng
RT: 8.83 min Scan# 722
Delta R.T. 0.00 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

Tgt Ion: 82 Resp: 5652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.1 | 24.5 | 36.7# |
| 54 | 38.8 | 35.2 | 52.8 |



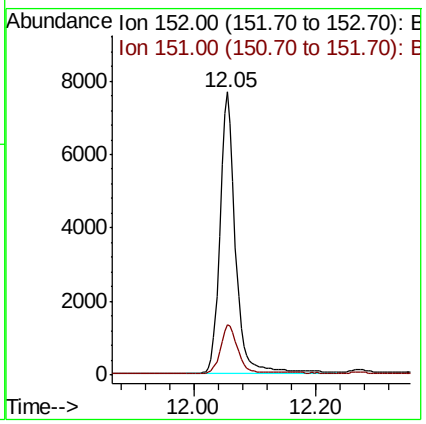


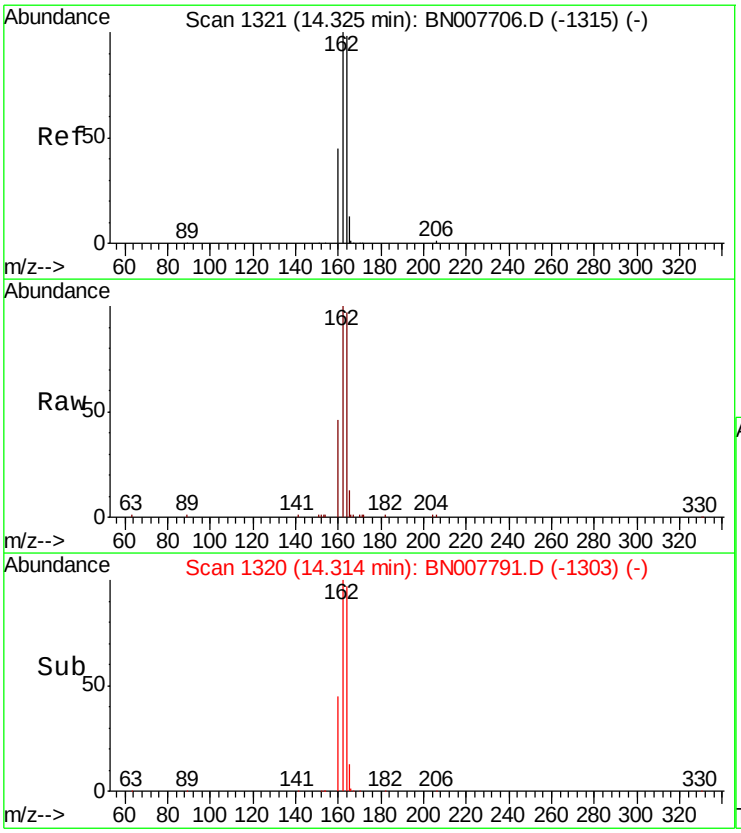

#11
2-Methylnaphthalene-d10
Concen: 0.333 ng
RT: 12.05 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

**Instrument :**
BNA_N
**ClientSampleId :**
DUP04-20190916

Tgt Ion:152 Resp: 13531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.0 | 15.4 | 23.2 |

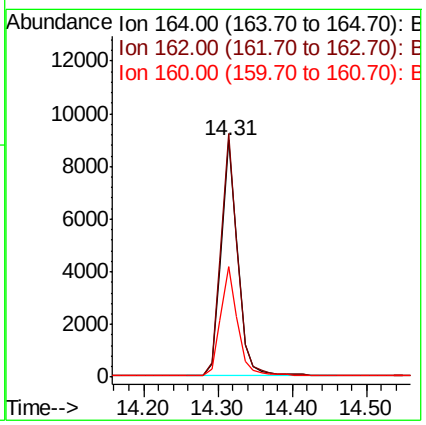


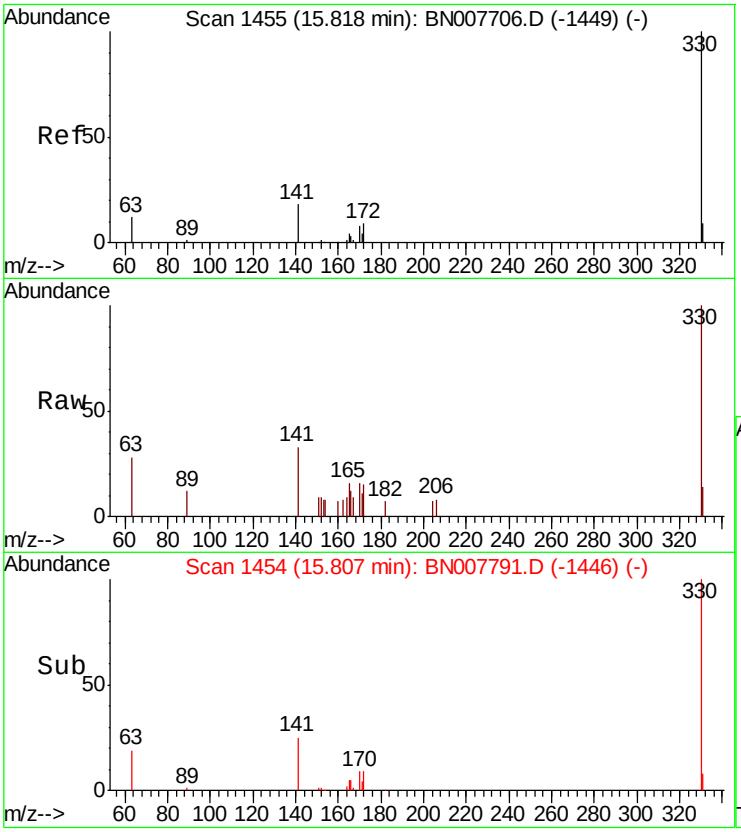




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

Tgt Ion:164 Resp: 13897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 81.7 | 122.5 |
| 160 | 46.7 | 37.0 | 55.4 |



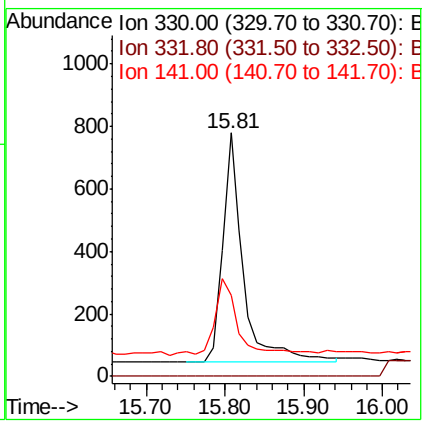


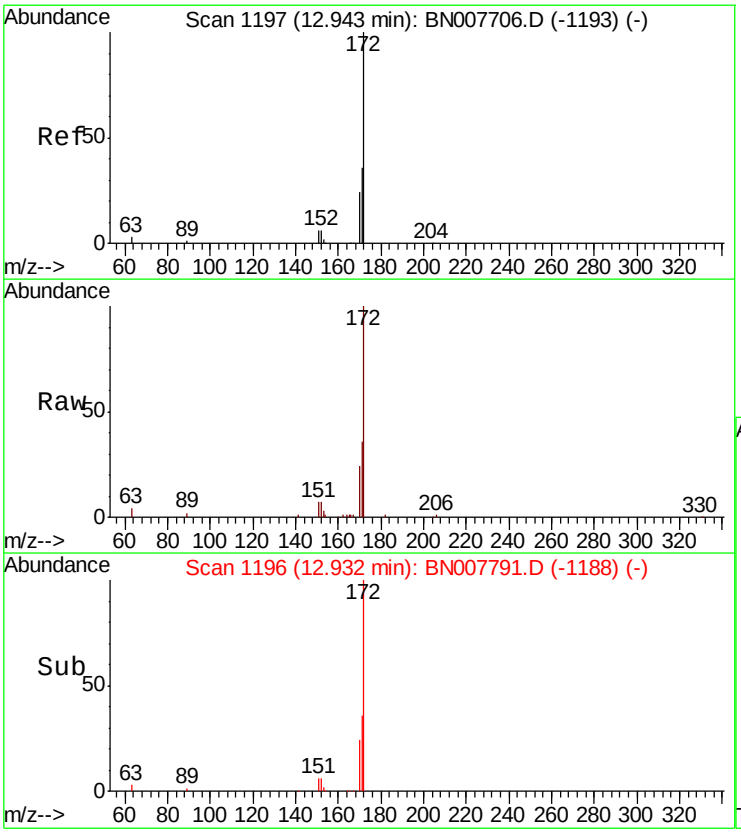

#14
2,4,6-Tribromophenol
Concen: 0.180 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

**Instrument :**
BNA_N
**ClientSampleId :**
DUP04-20190916

Tgt Ion:330 Resp: 1359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 37.4 | 28.7 | 43.1 |

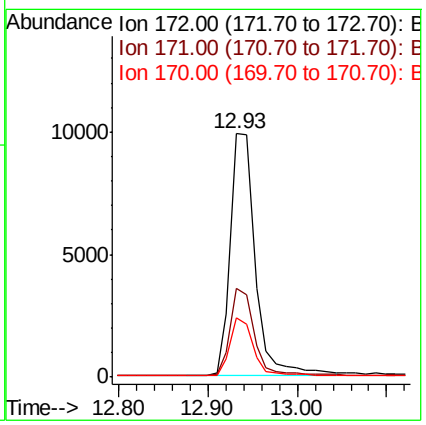


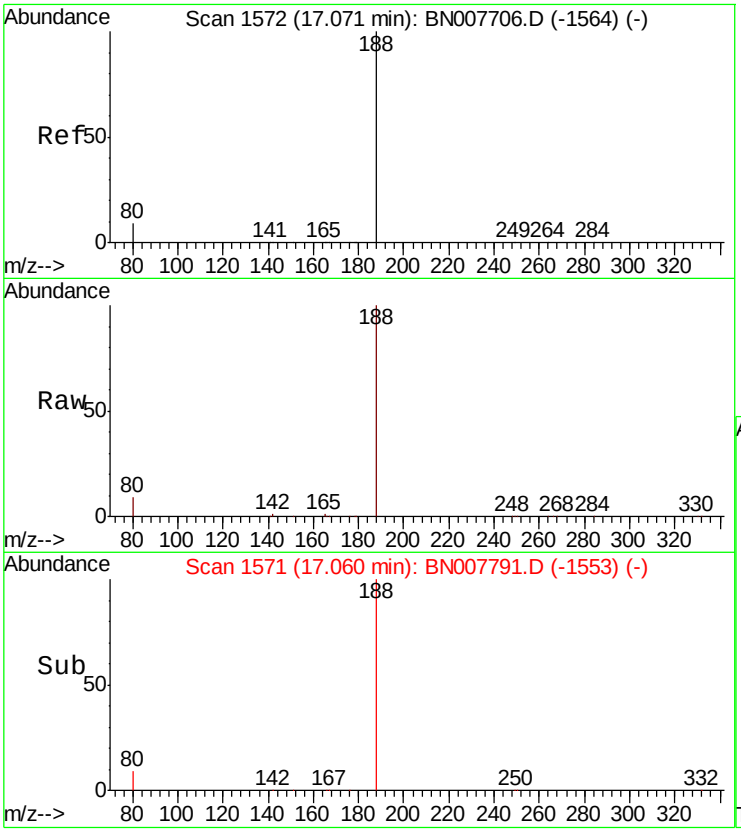




#15
2-Fluorobiphenyl
Concen: 0.339 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

Tgt Ion:172 Resp: 19384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.8 | 43.2 |
| 170 | 24.3 | 19.5 | 29.3 |



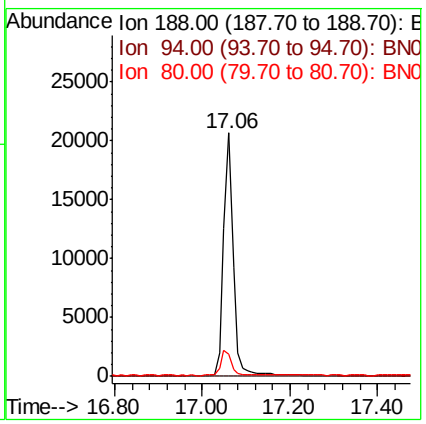


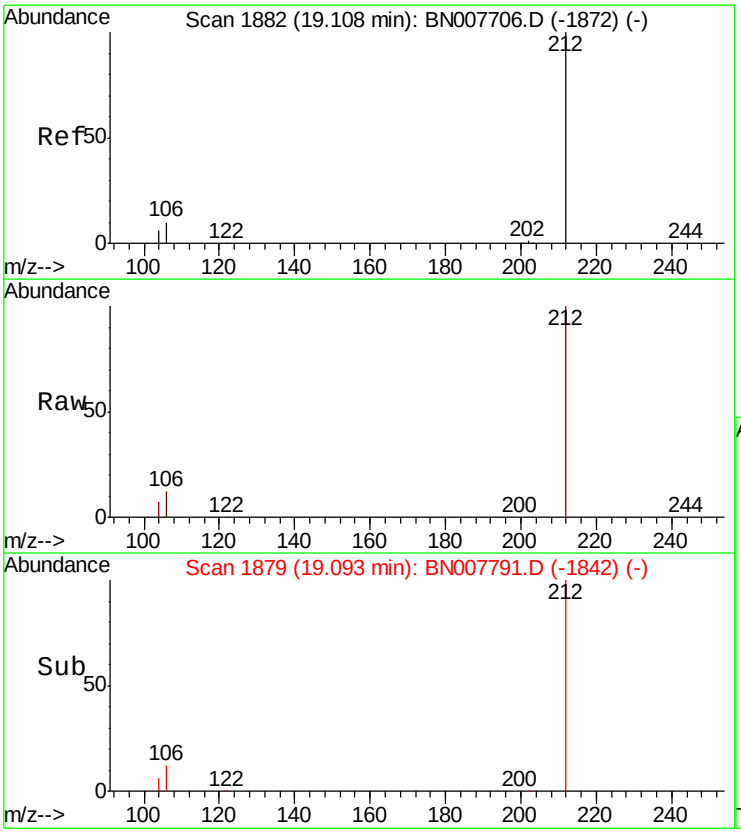

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

**Instrument :**
BNA_N
**ClientSampleId :**
DUP04-20190916

Tgt Ion:188 Resp: 31256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 9.3 | 7.4 | 11.2 |

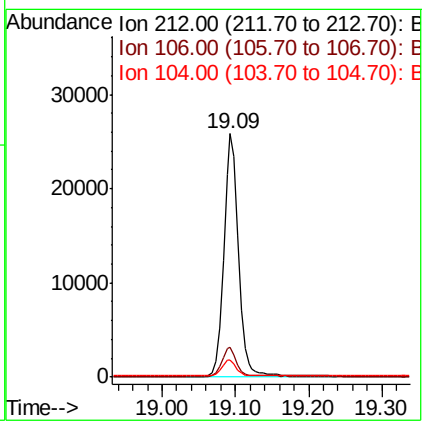


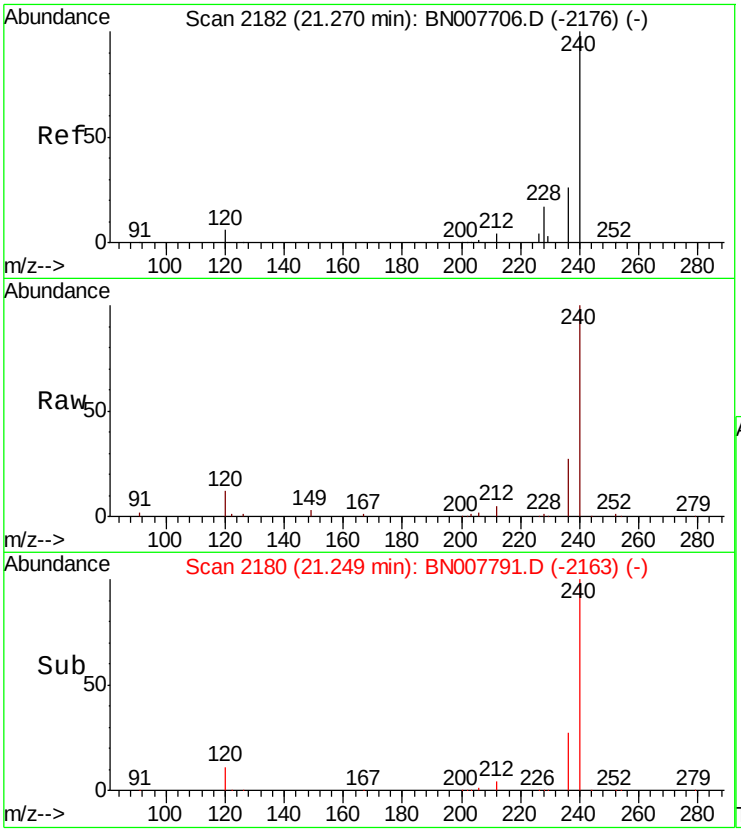




#25
Fluoranthene-d10
Concen: 0.343 ng
RT: 19.09 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

Tgt Ion:212 Resp: 36171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 11.9 | 9.4 | 14.0 |
| 104 | 6.7 | 5.3 | 7.9 |



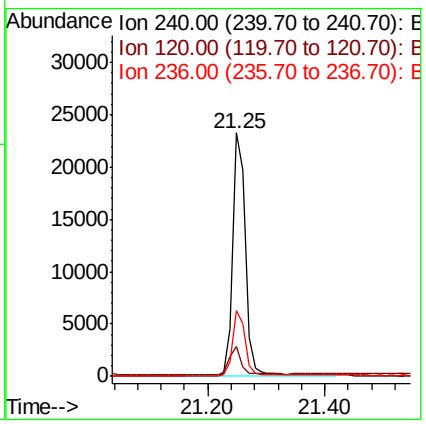


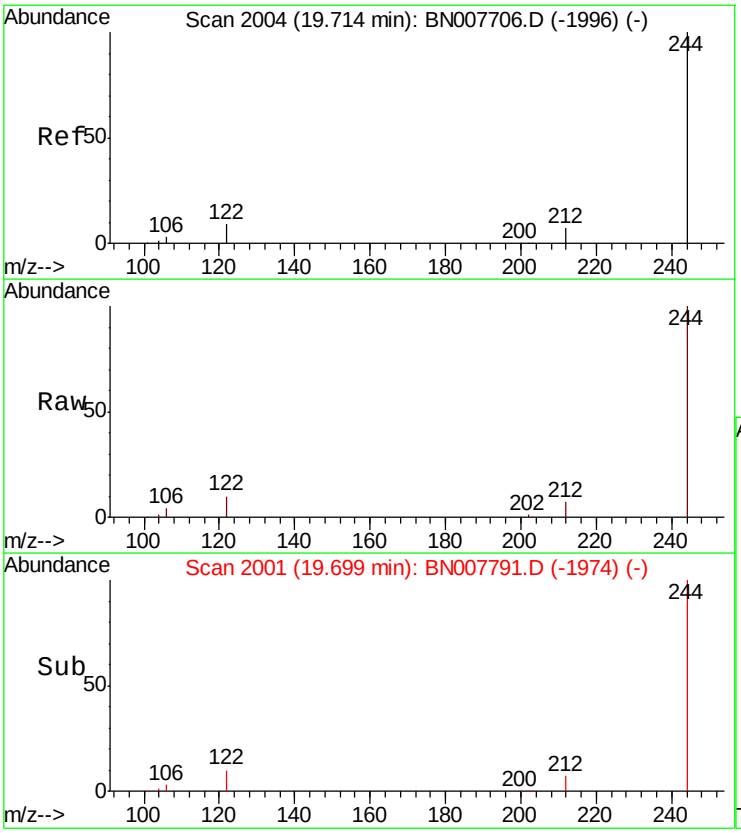

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

**Instrument :**
BNA_N
**ClientSampleId :**
DUP04-20190916

Tgt Ion:240 Resp: 34200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.2 | 5.4 | 8.2# |
| 236 | 27.1 | 21.0 | 31.4 |

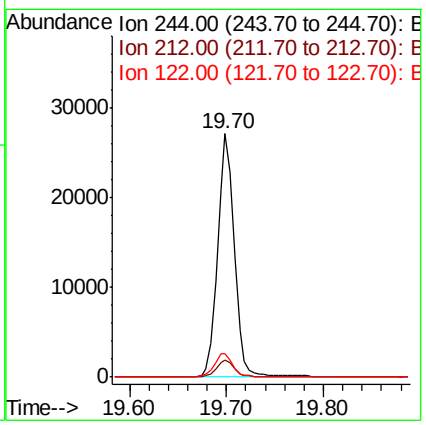


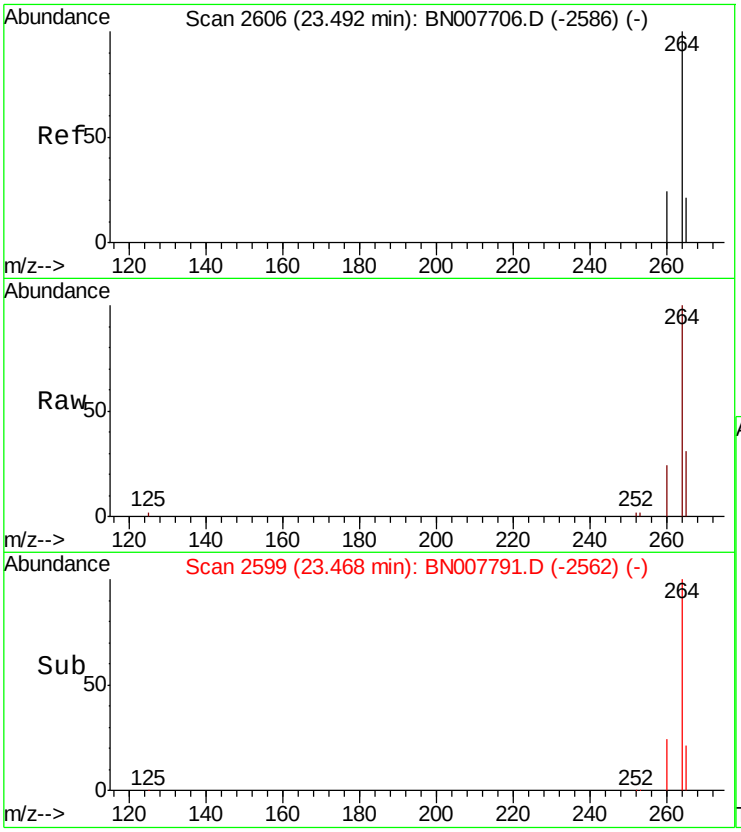




#29
Terphenyl-d14
Concen: 0.387 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

Tgt Ion:244 Resp: 32512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.9 | 8.9 |
| 122 | 9.9 | 7.4 | 11.2 |






#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2599
Delta R.T. -0.02 min
Lab File: BN007791.D
Acq: 21 Sep 2019 08:27

**Instrument :**
BNA_N
**ClientSampleId :**
DUP04-20190916

Tgt Ion:264 Resp: 39361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.3 | 28.9 |
| 265 | 30.9 | 26.9 | 40.3 |