Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040119\
Data File : BN005047.D
Acq On : 01 Apr 2019 14:31
Operator : JU/SJ
Sample : PB118407BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** PB118407BS

Quant Time: Apr 02 01:36:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:42:17 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 2902 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.44 | 136 | 12719 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.30 | 164 | 7610 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.06 | 188 | 18169 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.26 | 240 | 19769 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.50 | 264 | 18213 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.25 | 112 | 3028 | 0.42 | ng | | 0.00 |
| 5) Phenol-d6 | 6.84 | 99 | 3601 | 0.42 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.82 | 82 | 2978 | 0.40 | ng | | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 8354 | 0.42 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.81 | 330 | 1649 | 0.39 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.92 | 172 | 12327 | 0.43 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.10 | 212 | 21274 | 0.41 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.70 | 244 | 17417 | 0.43 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.18 | 88 | 1251 | 0.401 | ng | | 98 |
| 3) n-Nitrosodimethylamine | 3.54 | 42 | 623 | 0.327 | ng | # | 96 |
| 6) bis(2-Chloroethyl)ether | 7.10 | 93 | 3468 | 0.428 | ng | | 97 |
| 9) Naphthalene | 10.49 | 128 | 13711 | 0.429 | ng | | 100 |
| 10) Hexachlorobutadiene | 10.76 | 225 | 2589 | 0.436 | ng | # | 98 |
| 12) 2-Methylnaphthalene | 12.11 | 142 | 9789 | 0.424 | ng | | 97 |
| 16) Acenaphthylene | 14.02 | 152 | 14646 | 0.408 | ng | | 99 |
| 17) Acenaphthene | 14.37 | 154 | 9785 | 0.429 | ng | | 98 |
| 18) Fluorene | 15.36 | 166 | 13100 | 0.428 | ng | | 99 |
| 20) 4-Bromophenyl-phenylether | 16.25 | 248 | 4286 | 0.412 | ng | | 96 |
| 21) Hexachlorobenzene | 16.36 | 284 | 4975 | 0.433 | ng | | 99 |
| 22) Pentachlorophenol | 16.73 | 266 | 1585 | 0.727 | ng | | 97 |
| 23) Phenanthrene | 17.10 | 178 | 21523 | 0.423 | ng | | 100 |
| 24) Anthracene | 17.20 | 178 | 18532 | 0.409 | ng | | 100 |
| 26) Fluoranthene | 19.13 | 202 | 25023 | 0.402 | ng | | 99 |
| 28) Pyrene | 19.49 | 202 | 25330 | 0.451 | ng | | 100 |
| 30) Benzo(a)anthracene | 21.25 | 228 | 22713 | 0.407 | ng | | 99 |
| 31) Chrysene | 21.30 | 228 | 25694 | 0.428 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 8818 | 0.378 | ng | | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 25.75 | 276 | 25541 | 0.378 | ng | | 100 |
| 35) Benzo(b)fluoranthene | 22.82 | 252 | 24624 | 0.422 | ng | | 100 |
| 36) Benzo(k)fluoranthene | 22.87 | 252 | 24674 | 0.437 | ng | | 100 |
| 37) Benzo(a)pyrene | 23.40 | 252 | 21773 | 0.419 | ng | | 100 |
| 38) Dibenzo(a,h)anthracene | 25.76 | 278 | 20826 | 0.401 | ng | | 100 |
| 39) Benzo(g,h,i)perylene | 26.44 | 276 | 21204 | 0.405 | ng | | 99 |

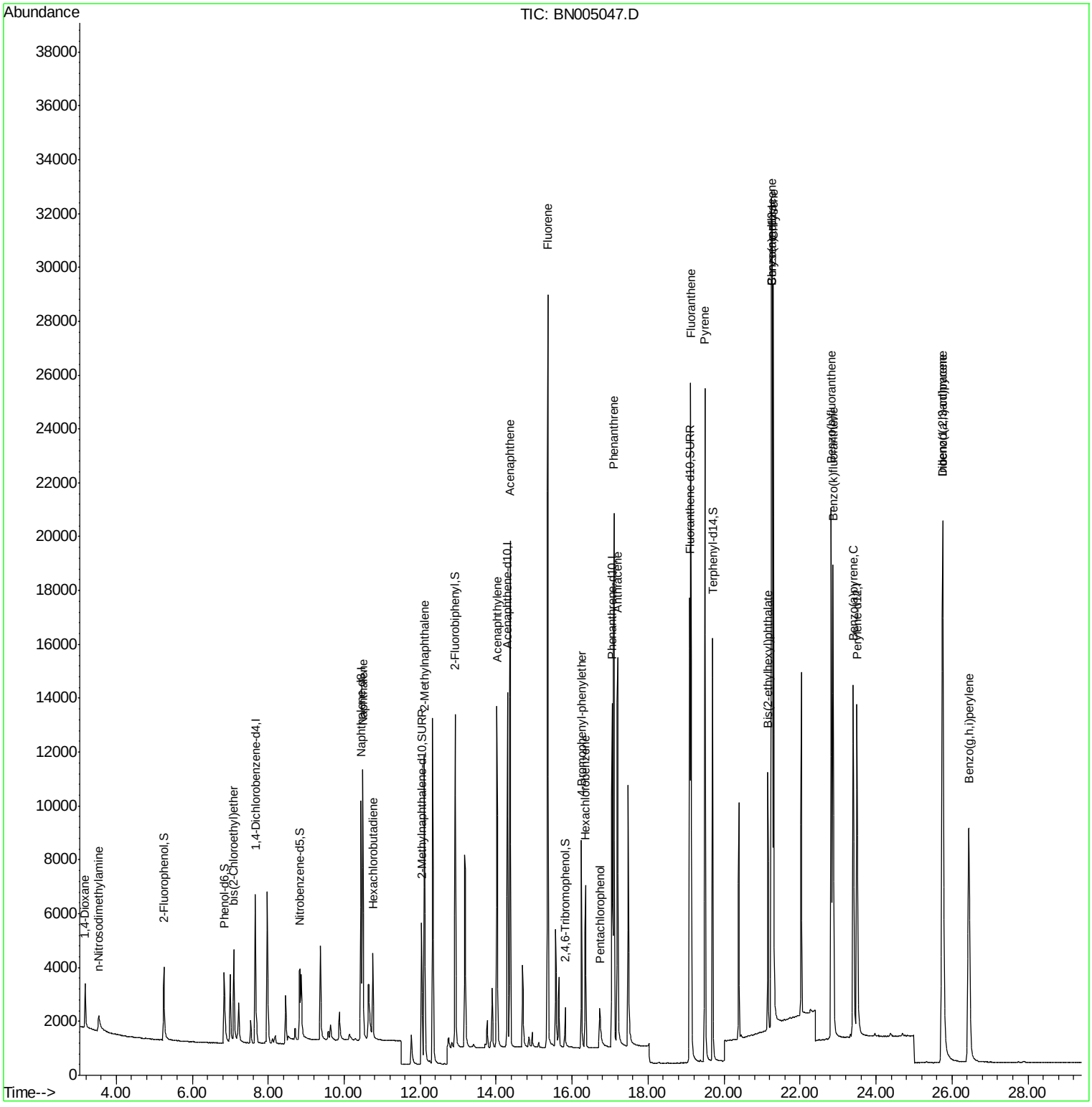
(#) = qualifier out of range (m) = manual integration (+) = signals summed

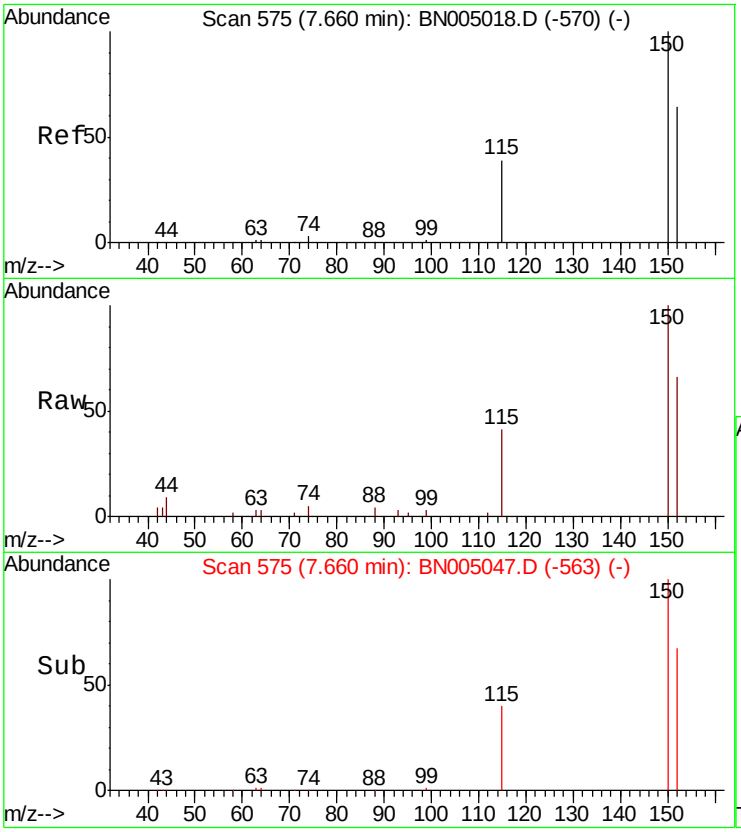
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040119\
Data File : BN005047.D
Acq On : 01 Apr 2019 14:31
Operator : JU/SJ
Sample : PB118407BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Quant Time: Apr 02 01:36:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:42:17 2019
Response via : Initial Calibration



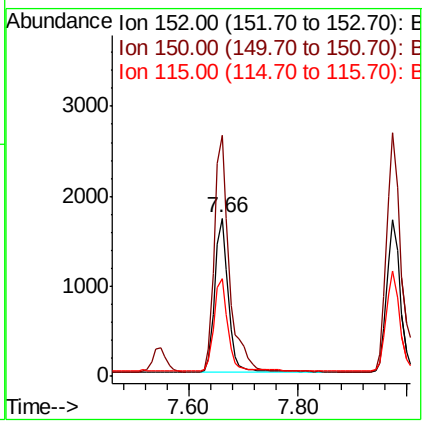


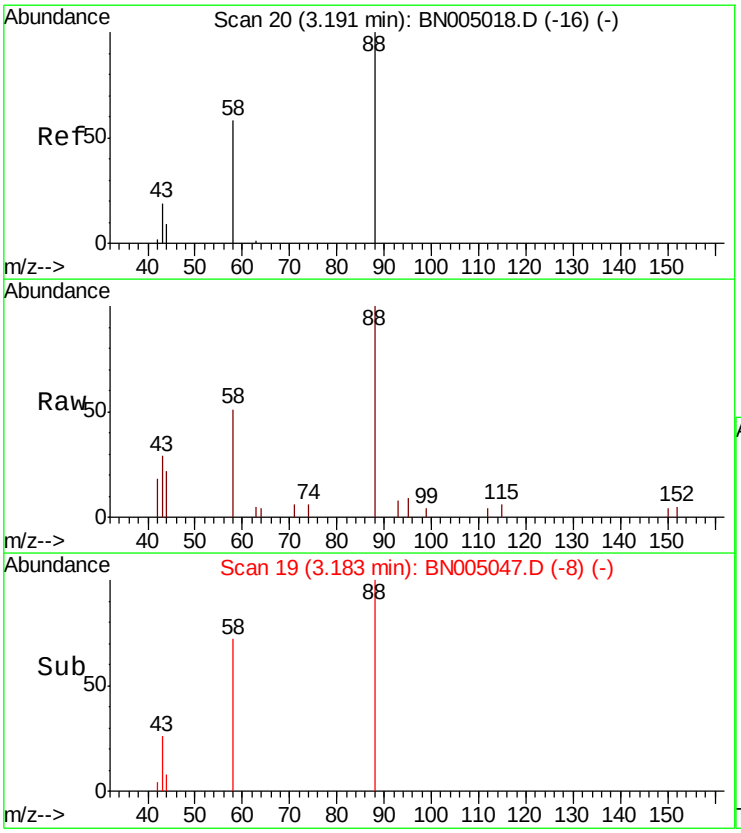

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:152 Resp: 2902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.9 | 123.4 | 185.2 |
| 115 | 61.8 | 50.0 | 75.0 |

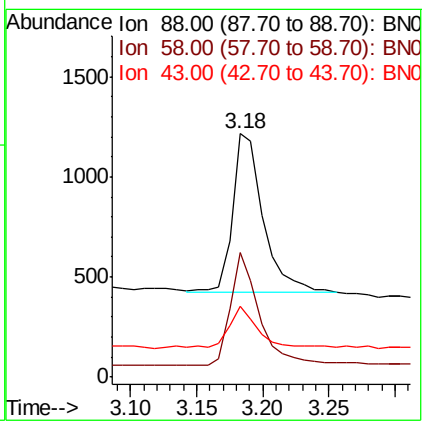


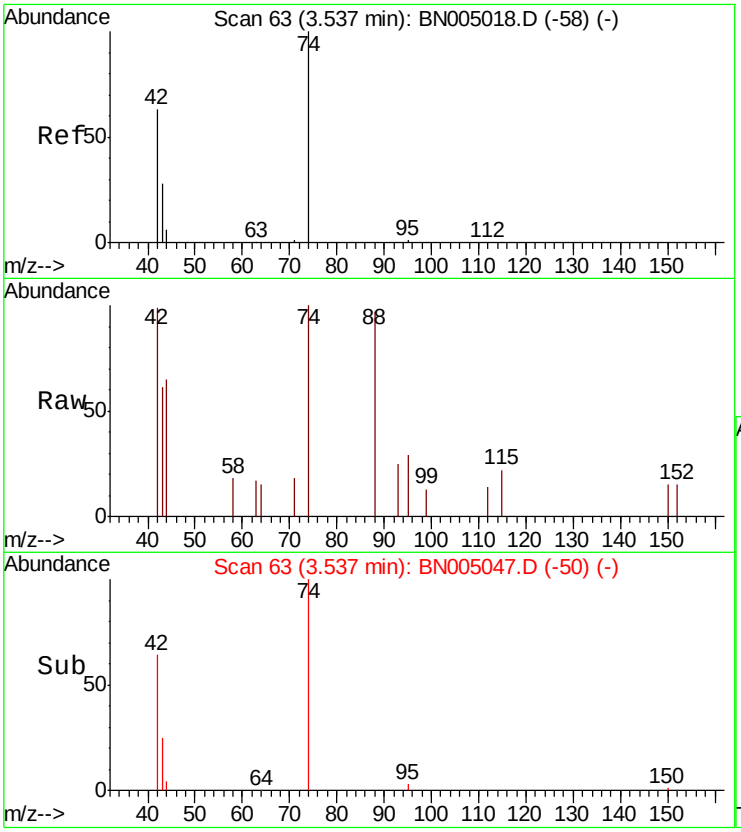




#2
1,4-Dioxane
Concen: 0.401 ng
RT: 3.18 min Scan# 19
Delta R.T. -0.01 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion: 88 Resp: 1251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.3 | 52.8 | 79.2 |
| 43 | 24.2 | 19.6 | 29.4 |



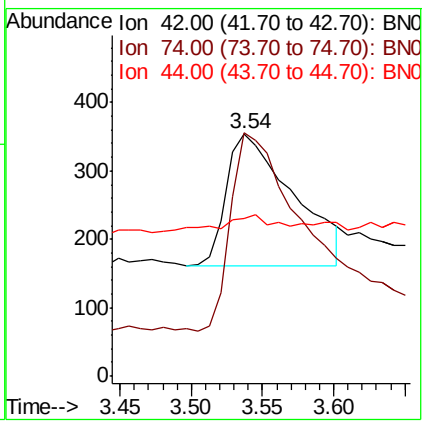


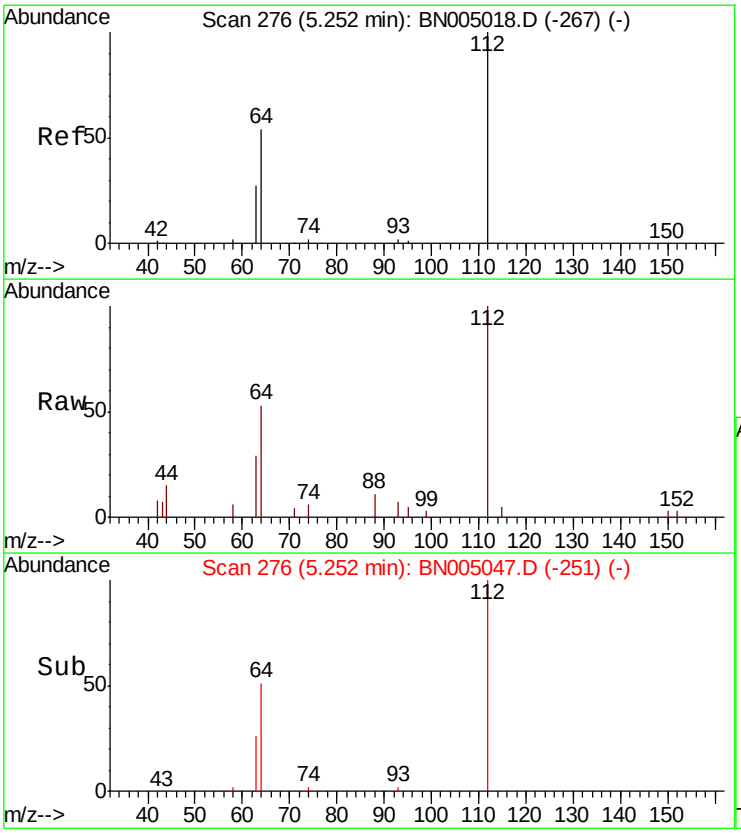

#3
n-Nitrosodimethylamine
Concen: 0.327 ng
RT: 3.54 min Scan# 63
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion: 42 Resp: 623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 156.2 | 129.1 | 193.7 |
| 44 | 10.8 | 11.6 | 17.4# |

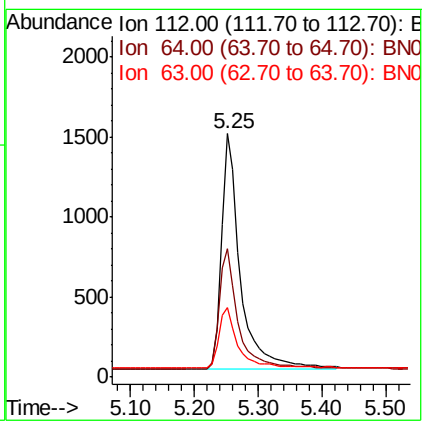


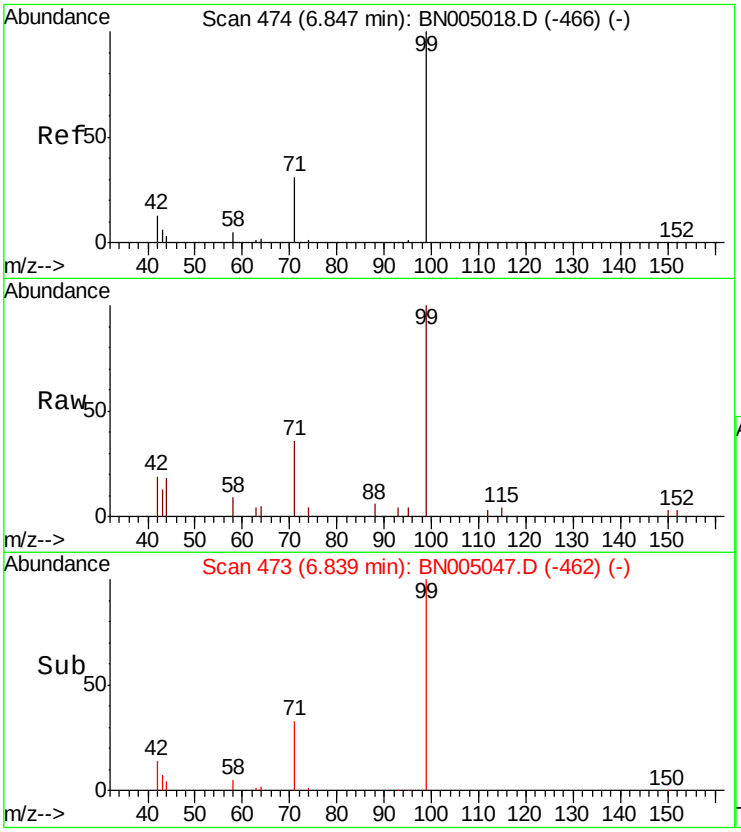




#4
2-Fluorophenol
Concen: 0.418 ng
RT: 5.25 min Scan# 276
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:112 Resp: 3028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.8 | 41.9 | 62.9 |
| 63 | 25.5 | 21.5 | 32.3 |



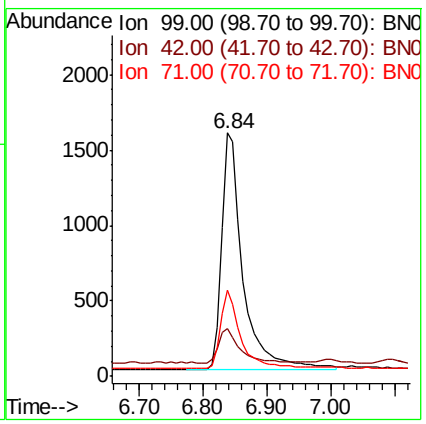


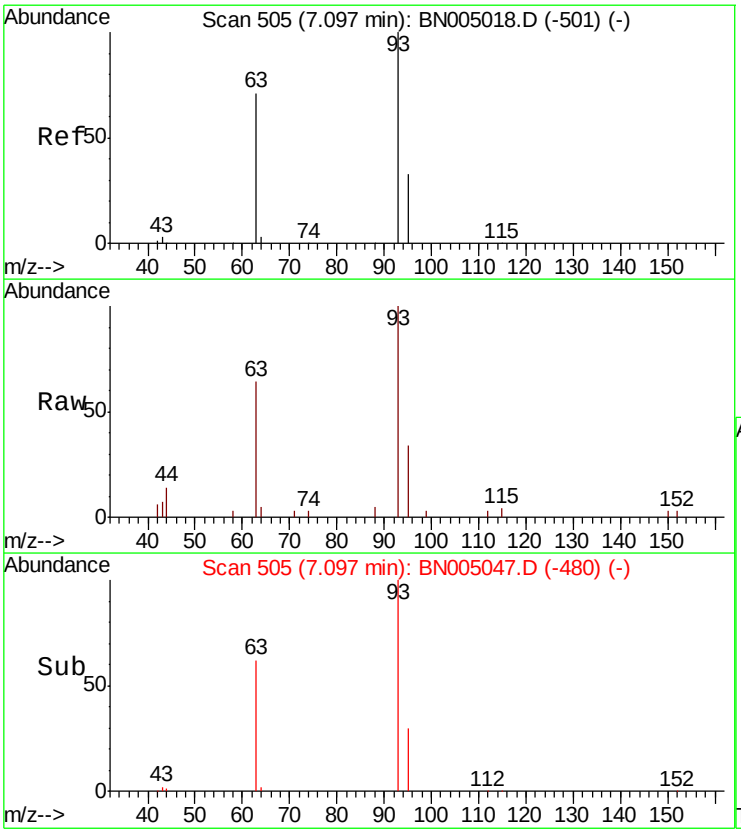

#5
Phenol-d6
Concen: 0.420 ng
RT: 6.84 min Scan# 473
Delta R.T. -0.01 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion: 99 Resp: 3601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.6 | 12.2 | 18.2 |
| 71 | 31.7 | 26.1 | 39.1 |

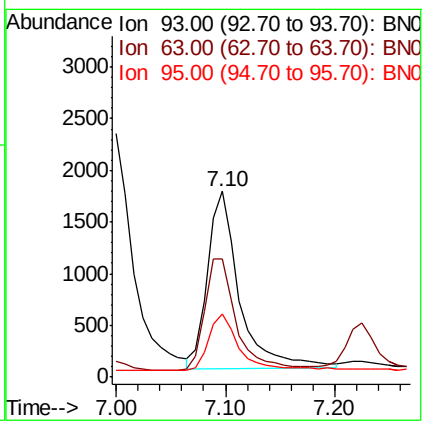


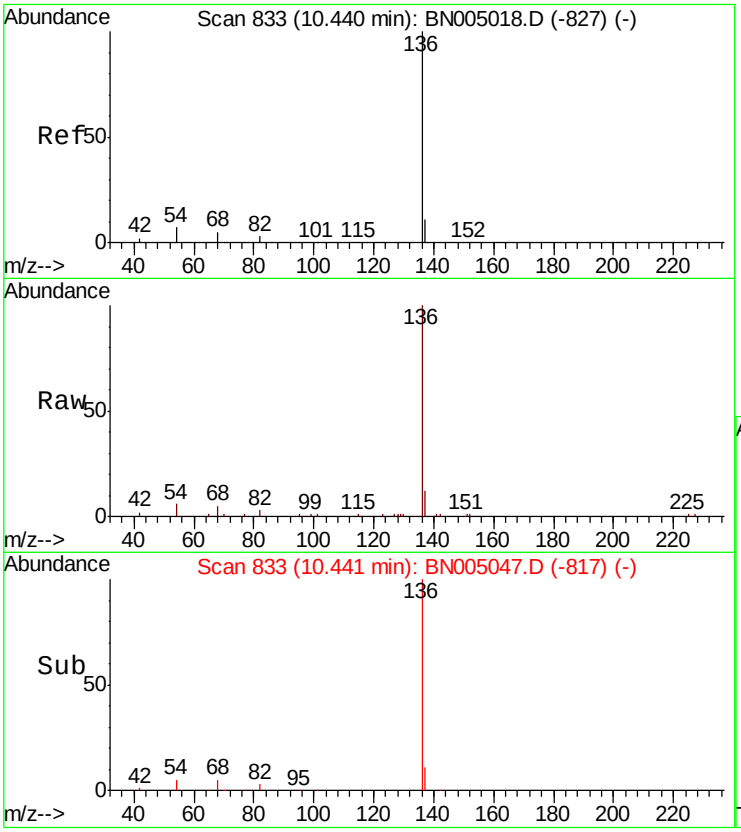




#6
bis(2-Chloroethyl)ether
Concen: 0.428 ng
RT: 7.10 min Scan# 505
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion: 93 Resp: 3468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 63.2 | 51.8 | 77.6 |
| 95 | 33.1 | 24.8 | 37.2 |



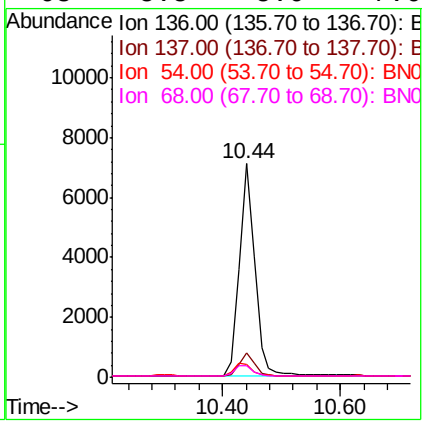


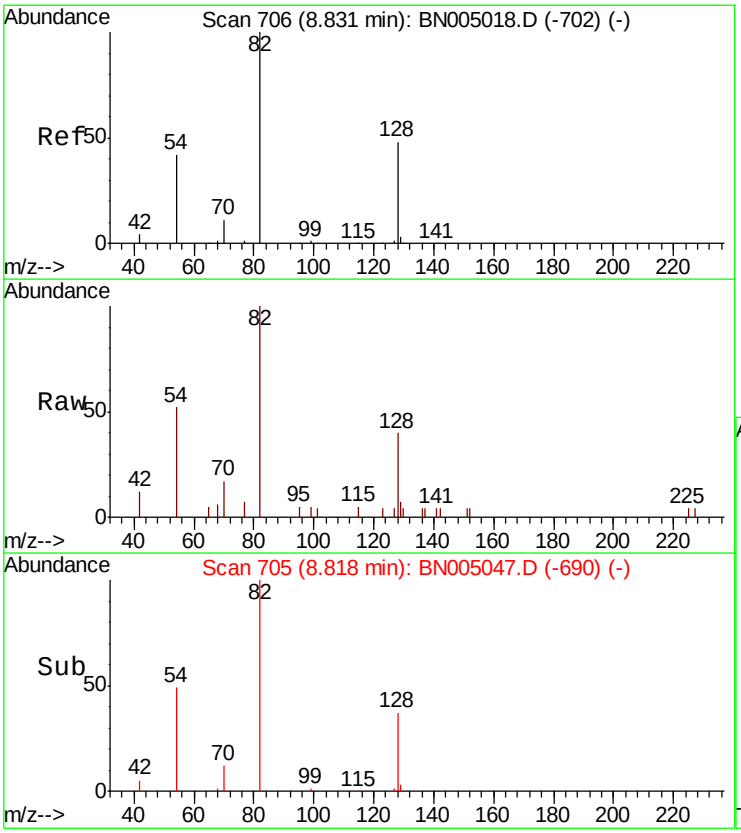

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.44 min Scan# 833
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:136 Resp: 12719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 9.2 | 13.8 |
| 54 | 6.0 | 6.0 | 9.0 |
| 68 | 5.5 | 5.0 | 7.6 |

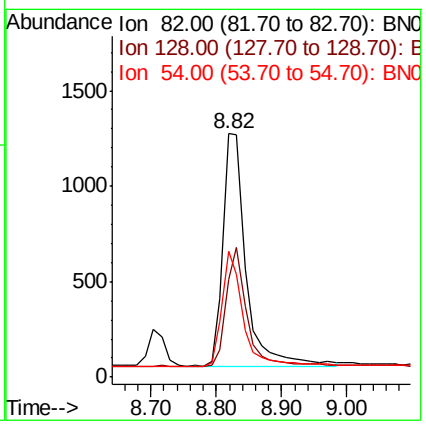


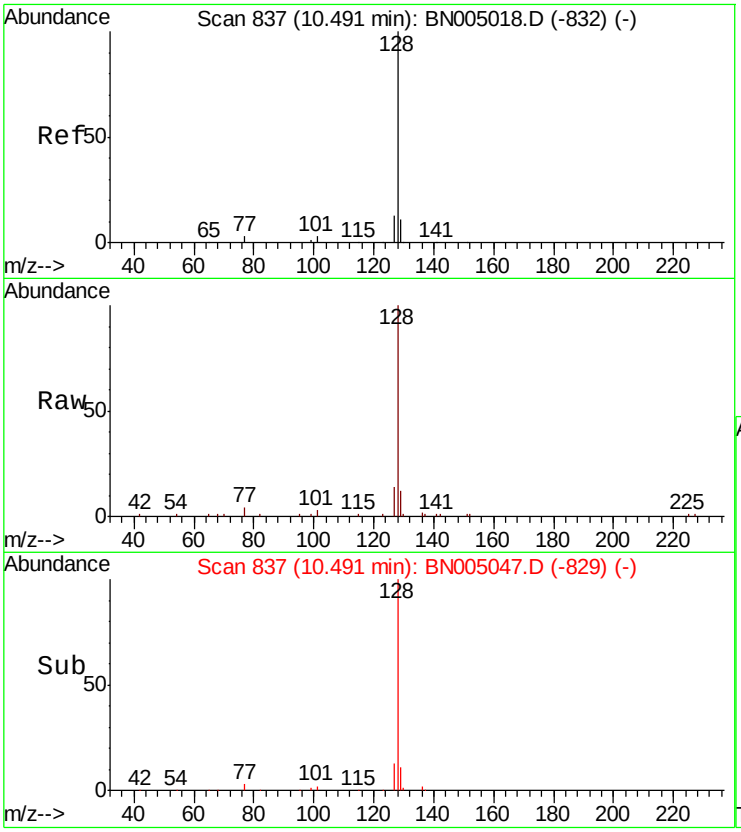




#8
Nitrobenzene-d5
Concen: 0.404 ng
RT: 8.82 min Scan# 705
Delta R.T. -0.01 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion: 82 Resp: 2978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.2 | 40.5 | 60.7# |
| 54 | 51.8 | 35.7 | 53.5 |



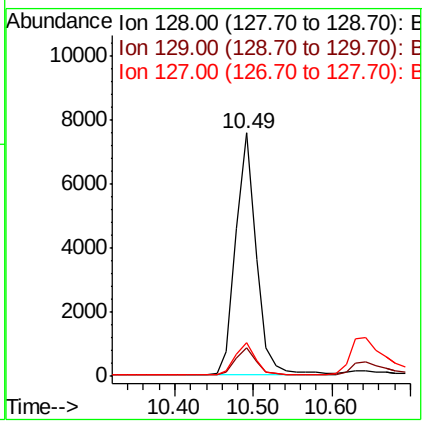


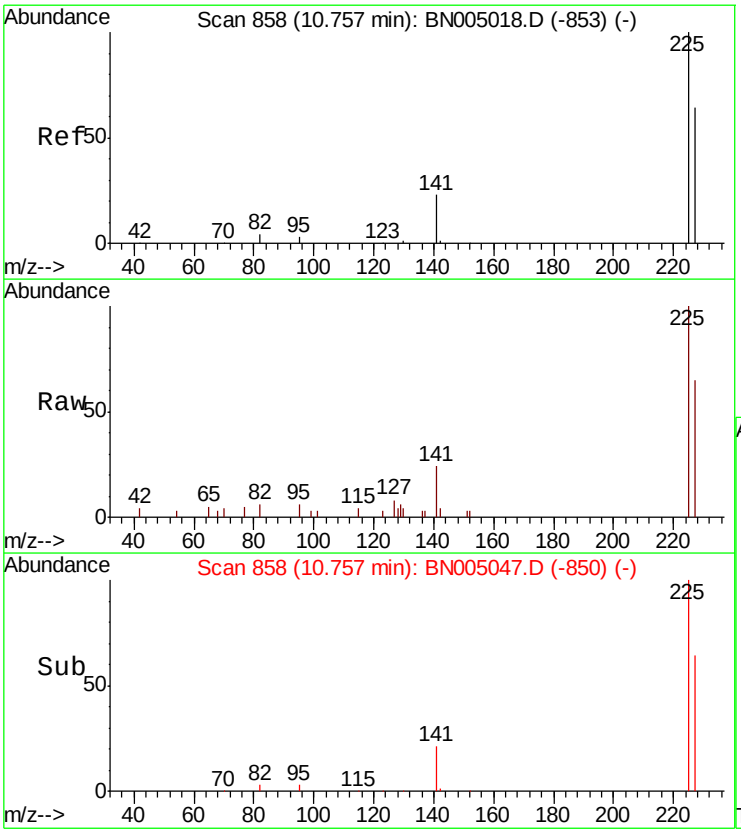

#9
Naphthalene
Concen: 0.429 ng
RT: 10.49 min Scan# 837
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:128 Resp: 13711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.8 | 9.4 | 14.2 |
| 127 | 13.8 | 11.0 | 16.6 |

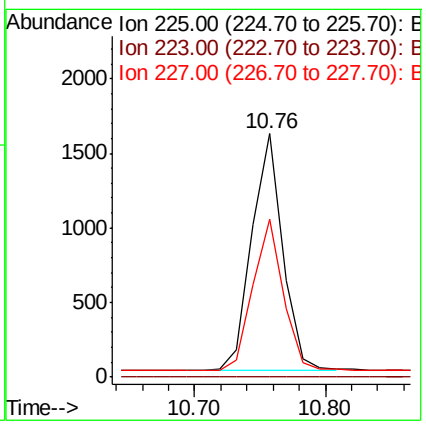


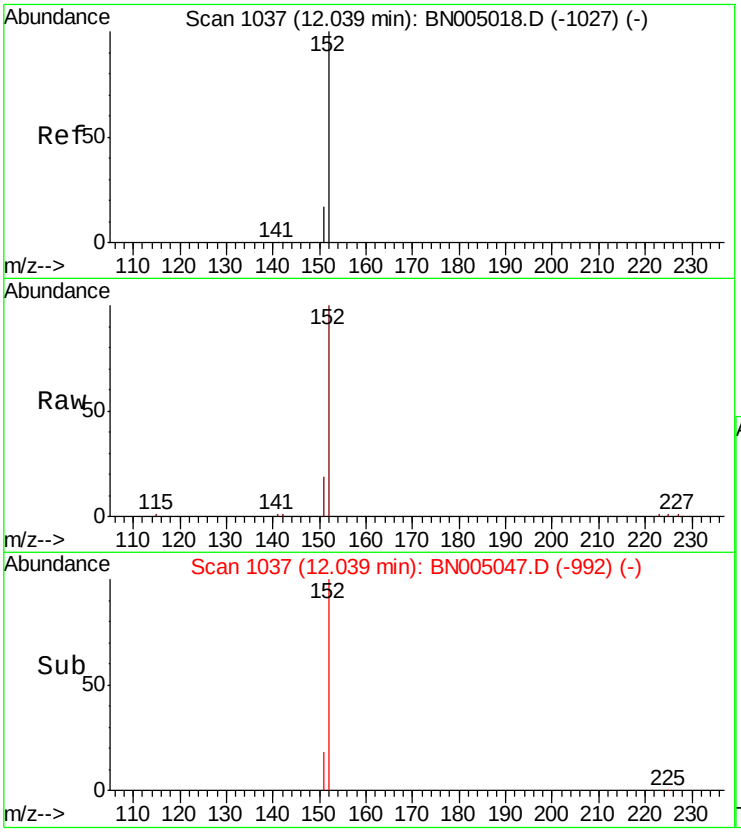




#10
Hexachlorobutadiene
Concen: 0.436 ng
RT: 10.76 min Scan# 858
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:225 Resp: 2589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 0.0 | 0.0 |
| 227 | 63.0 | 51.5 | 77.3 |



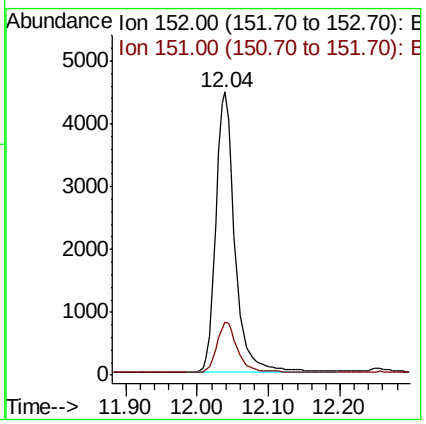


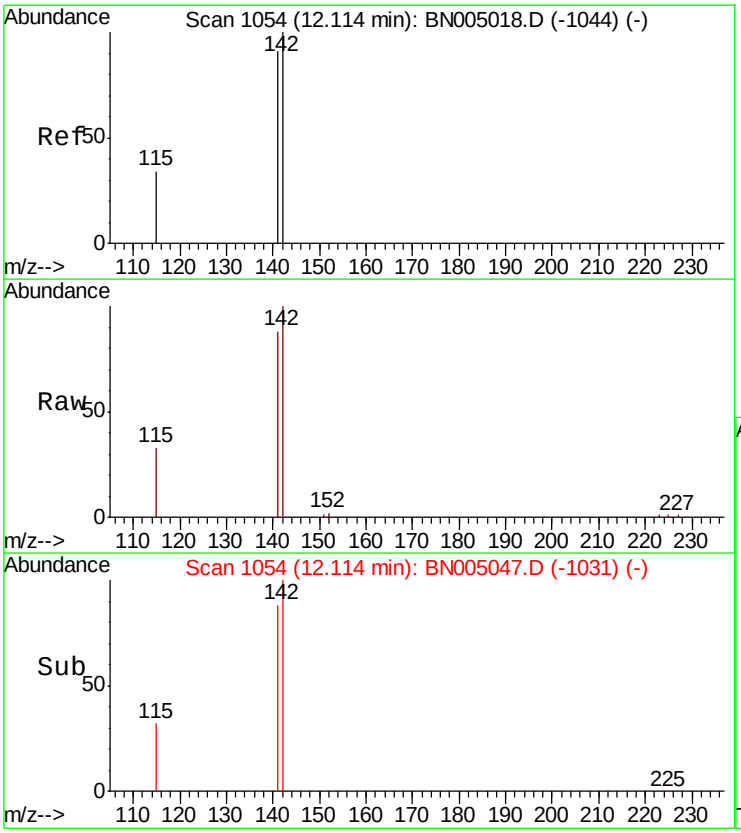

#11
2-Methylnaphthalene-d10
Concen: 0.424 ng
RT: 12.04 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:152 Resp: 8354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.1 | 15.3 | 22.9 |

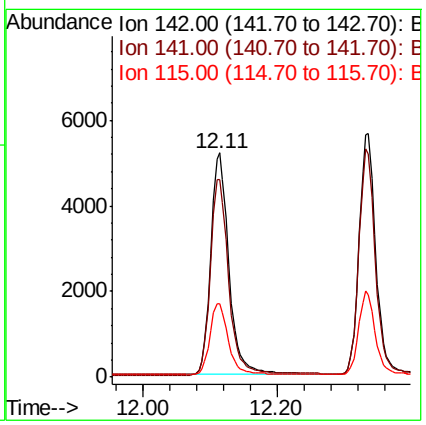


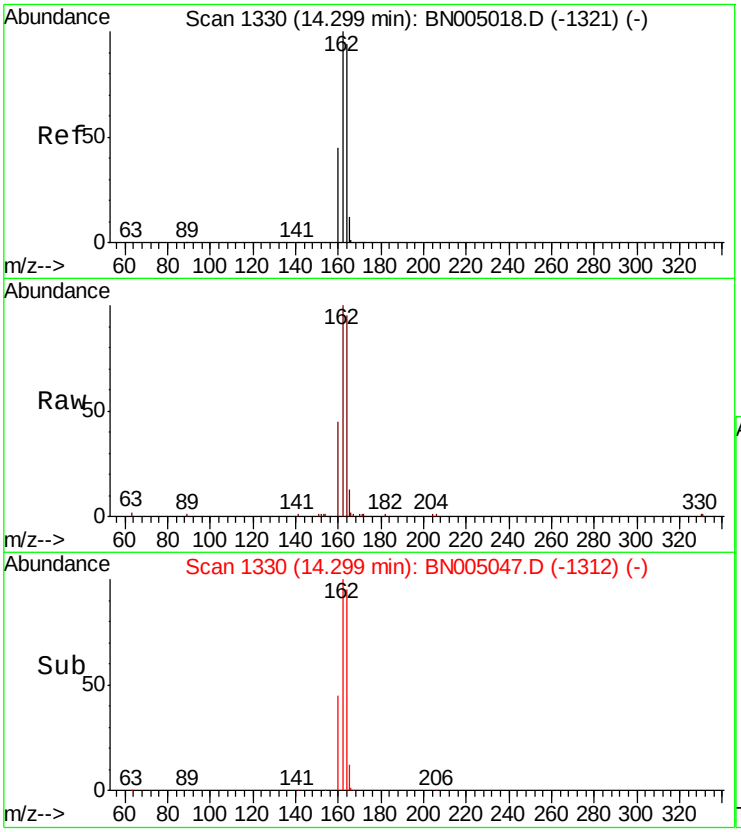




#12
2-Methylnaphthalene
Concen: 0.424 ng
RT: 12.11 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:142 Resp: 9789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 72.6 | 108.8 |
| 115 | 32.6 | 27.8 | 41.8 |



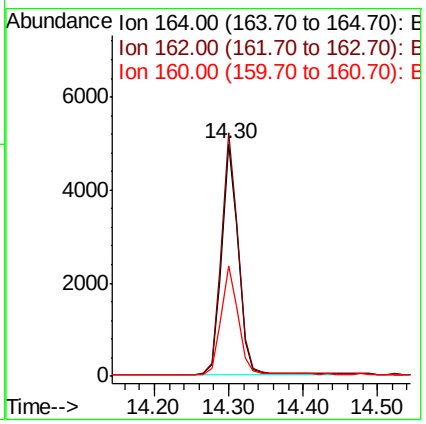


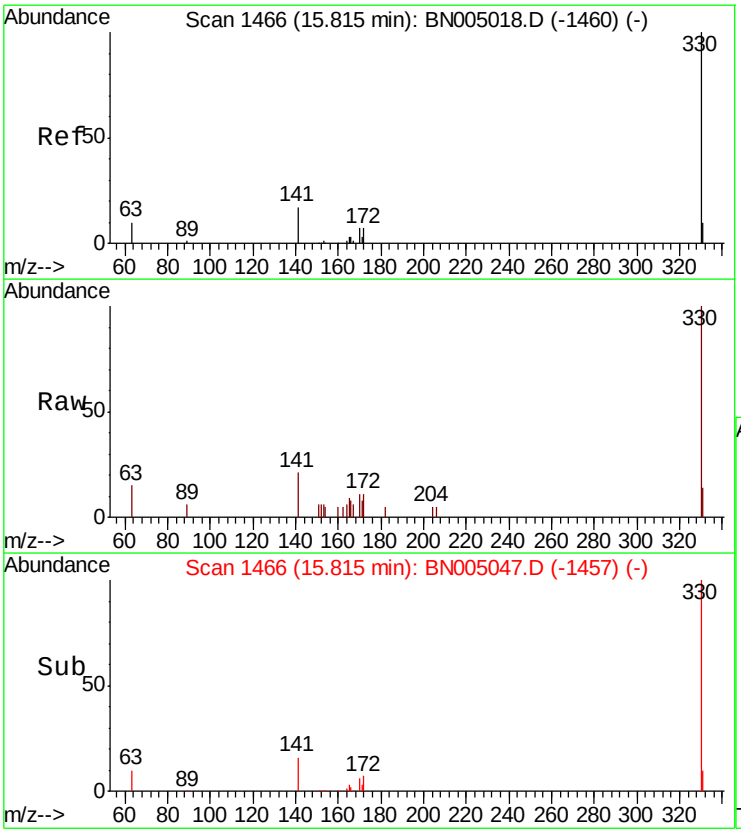

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:164 Resp: 7610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.8 | 85.3 | 127.9 |
| 160 | 47.4 | 39.2 | 58.8 |

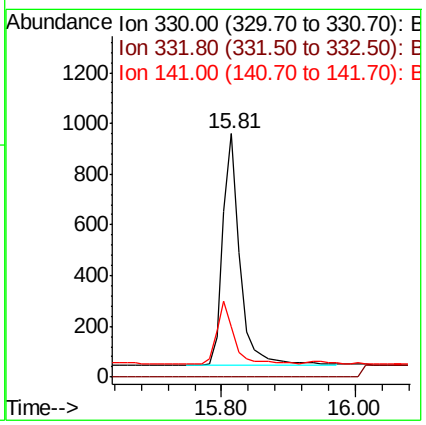


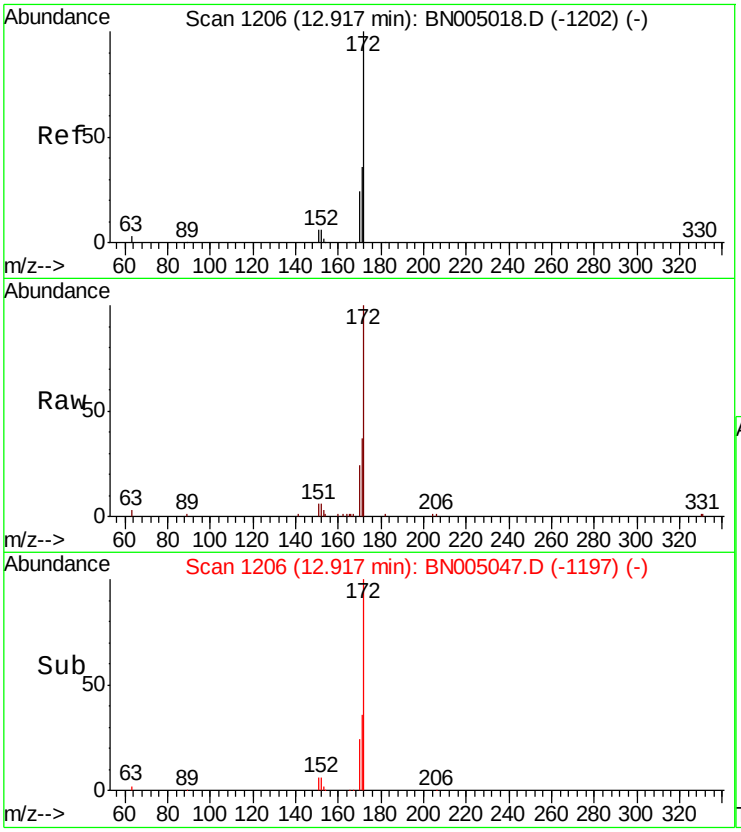




#14
2,4,6-Tribromophenol
Concen: 0.386 ng
RT: 15.81 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:330 Resp: 1649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 26.7 | 21.3 | 31.9 |



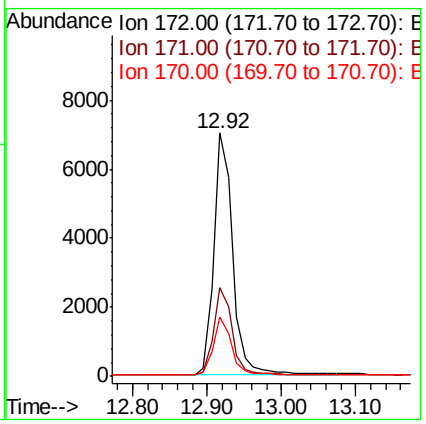


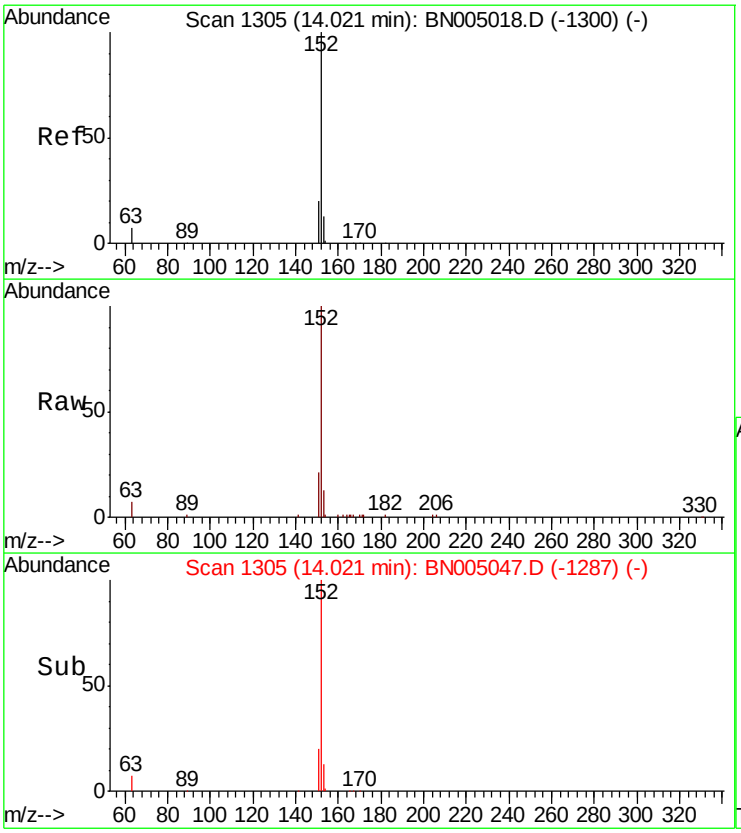

#15
2-Fluorobiphenyl
Concen: 0.429 ng
RT: 12.92 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:172 Resp: 12327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.7 | 29.4 | 44.0 |
| 170 | 24.4 | 20.0 | 30.0 |

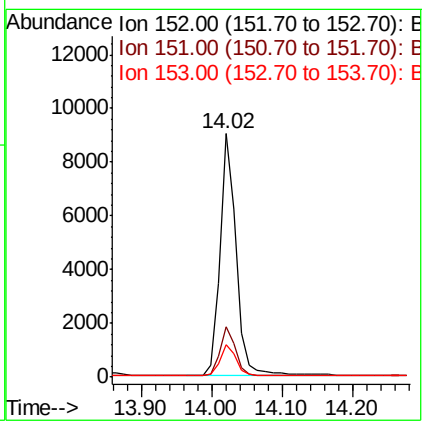


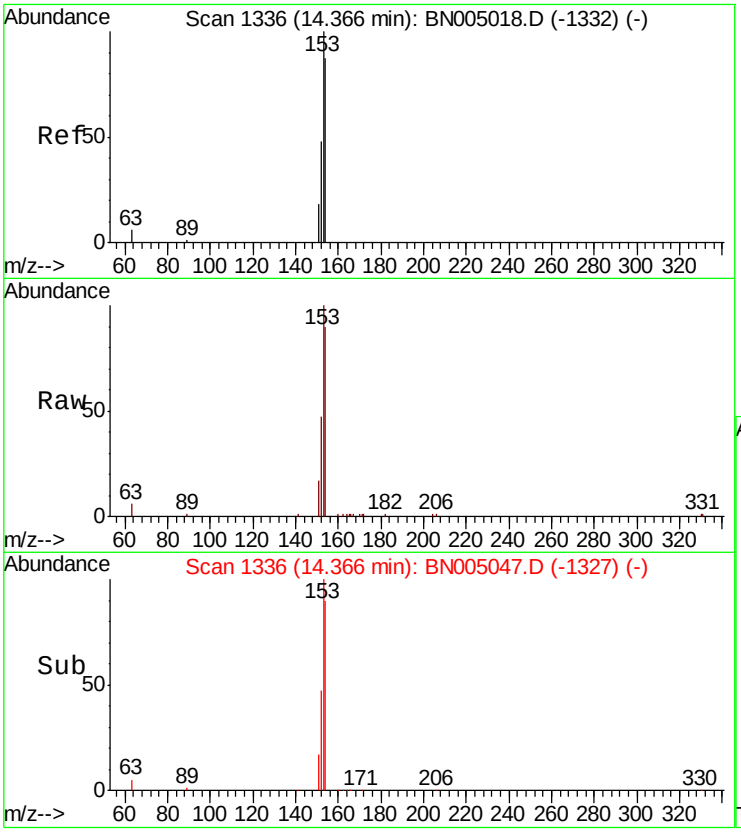




#16
Acenaphthylene
Concen: 0.408 ng
RT: 14.02 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:152 Resp: 14646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 15.8 | 23.6 |
| 153 | 13.0 | 10.6 | 15.8 |



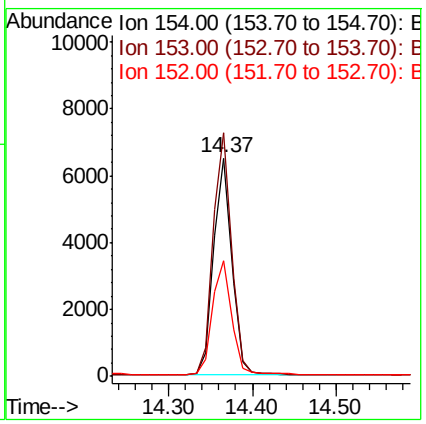


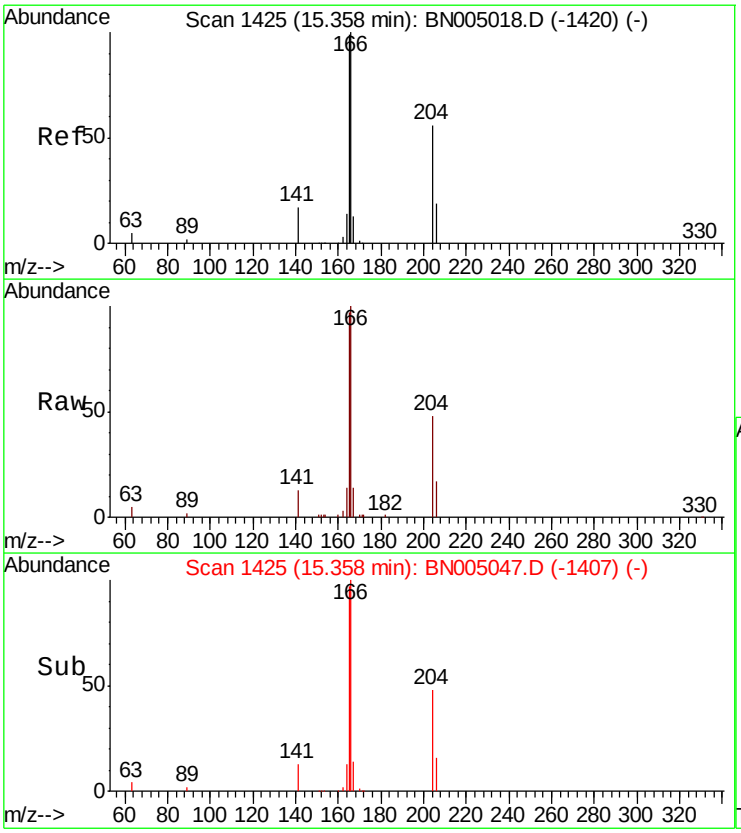

#17
Acenaphthene
Concen: 0.429 ng
RT: 14.37 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:154 Resp: 9785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.3 | 92.1 | 138.1 |
| 152 | 54.4 | 44.2 | 66.2 |

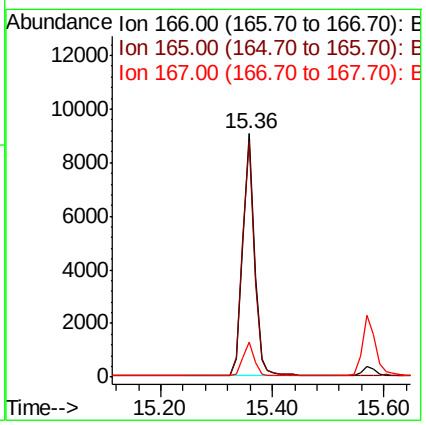


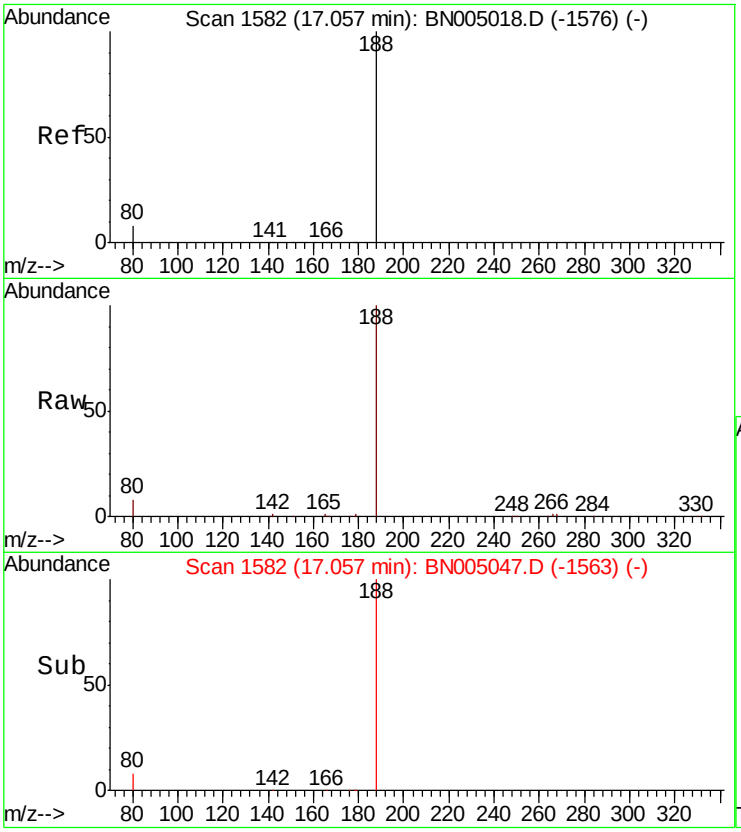




#18
Fluorene
Concen: 0.428 ng
RT: 15.36 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:166 Resp: 13100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.8 | 78.7 | 118.1 |
| 167 | 13.7 | 10.9 | 16.3 |



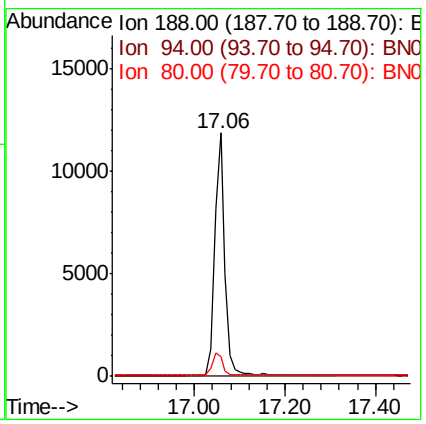


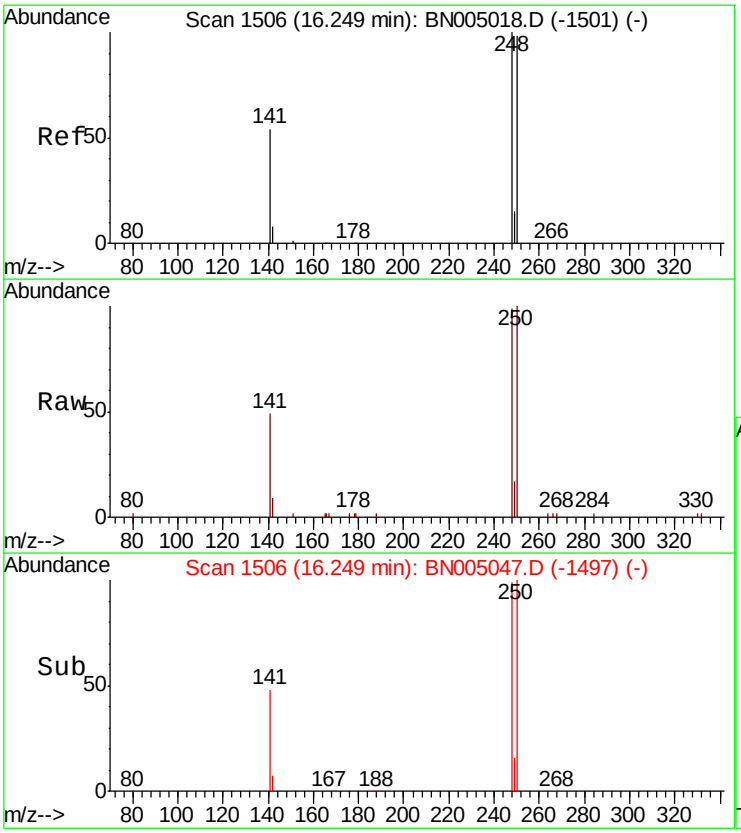

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:188 Resp: 18169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 7.9 | 6.9 | 10.3 |

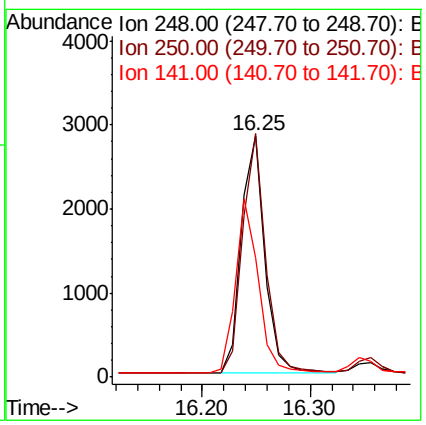


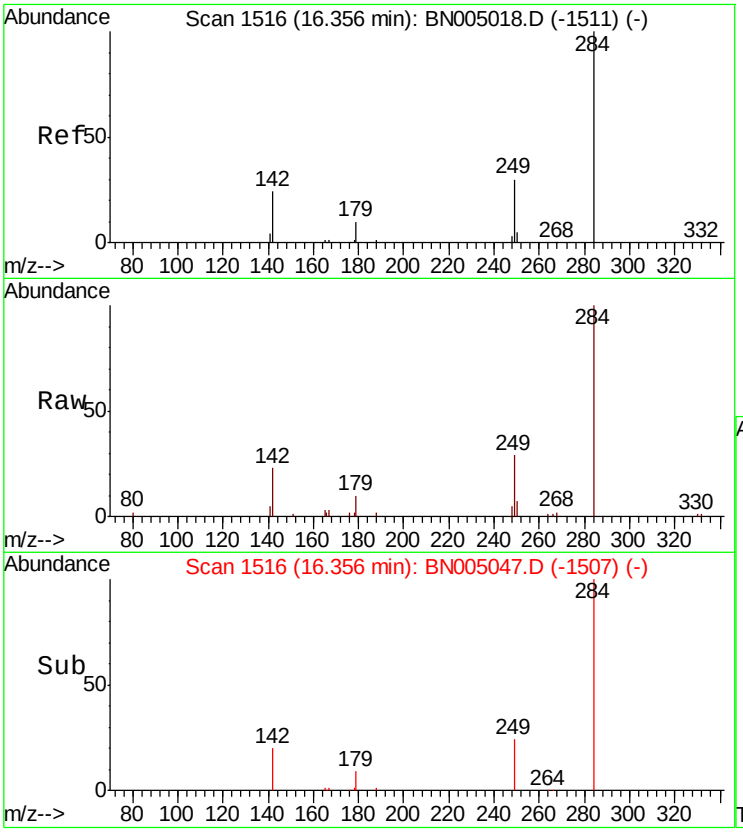




#20
4-Bromophenyl-phenylether
Concen: 0.412 ng
RT: 16.25 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:248 Resp: 4286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 101.0 | 78.6 | 117.8 |
| 141 | 49.7 | 43.6 | 65.4 |



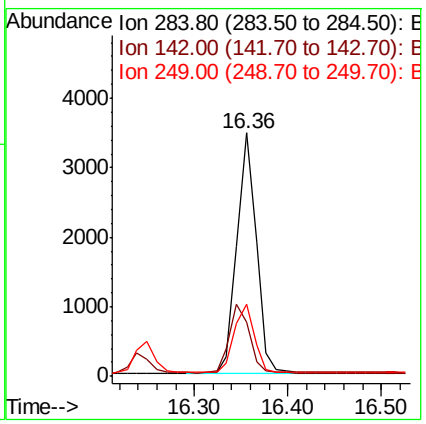


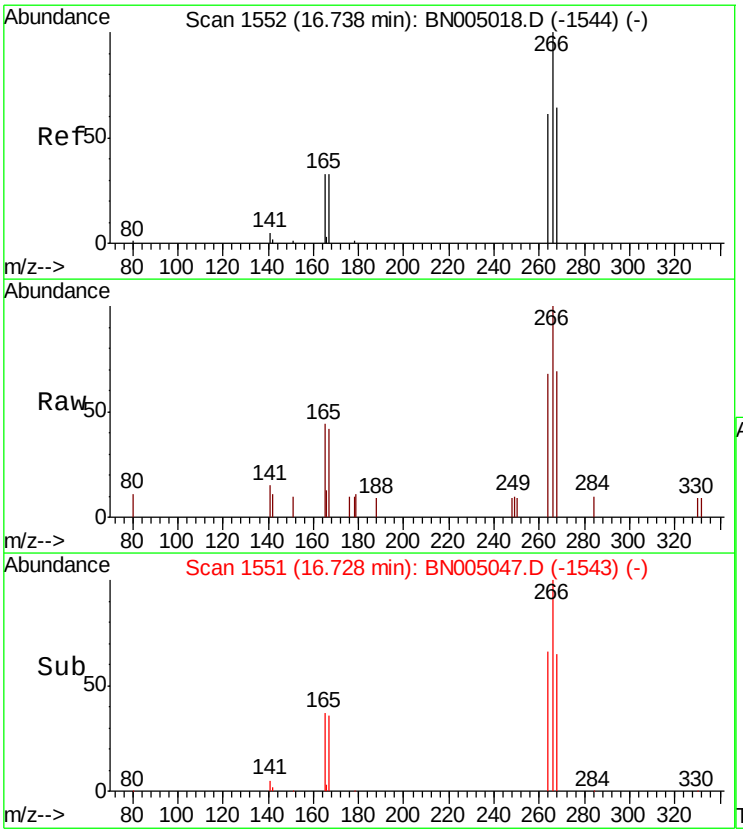

#21
Hexachlorobenzene
Concen: 0.433 ng
RT: 16.36 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:284 Resp: 4975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 29.8 | 24.9 | 37.3 |
| 249 | 29.4 | 23.8 | 35.6 |

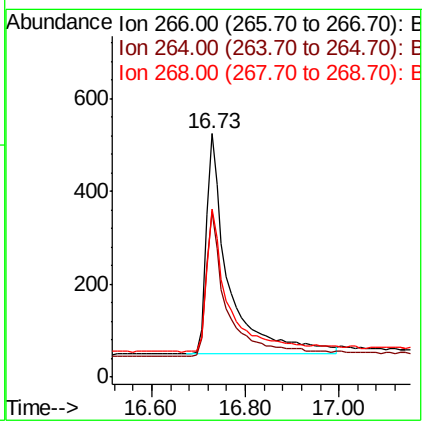


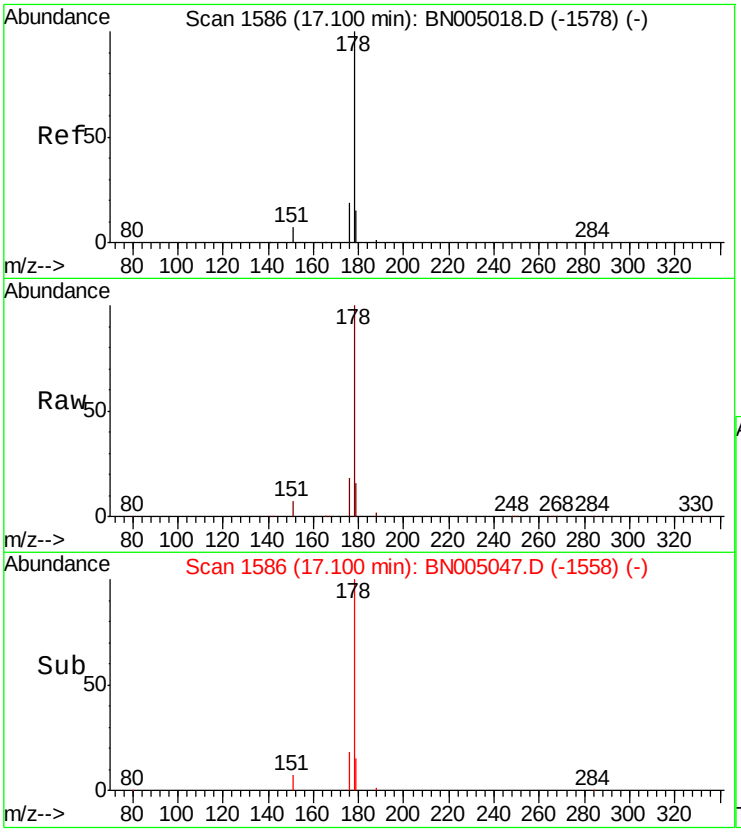




#22
Pentachlorophenol
Concen: 0.727 ng
RT: 16.73 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:266 Resp: 1585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 67.9 | 53.4 | 80.0 |
| 268 | 69.3 | 58.9 | 88.3 |



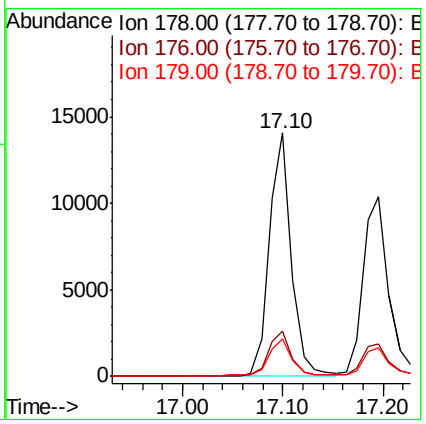


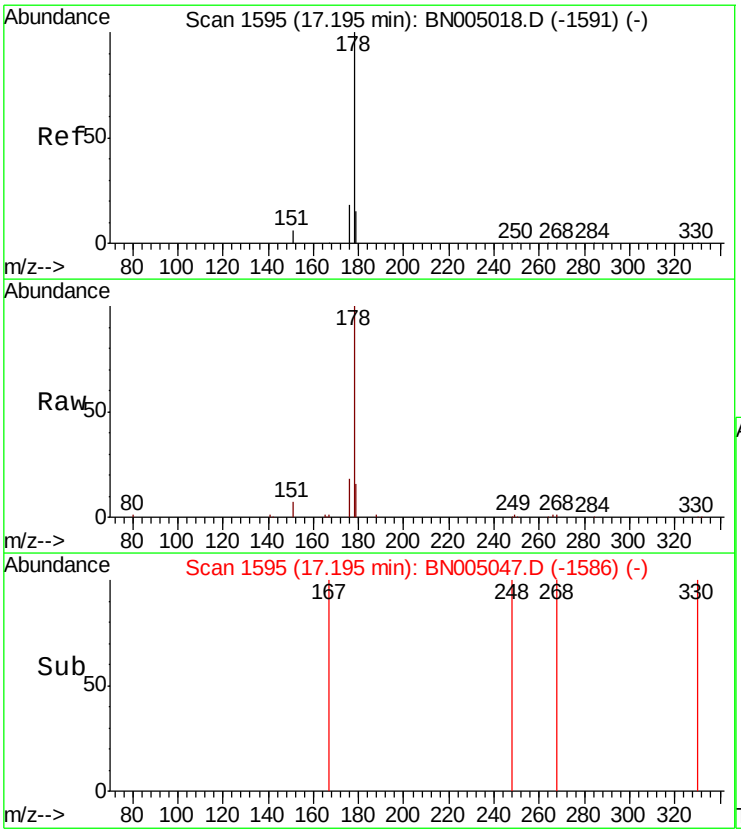

#23
Phenanthrene
Concen: 0.423 ng
RT: 17.10 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:178 Resp: 21523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.1 | 22.7 |
| 179 | 15.3 | 12.2 | 18.2 |

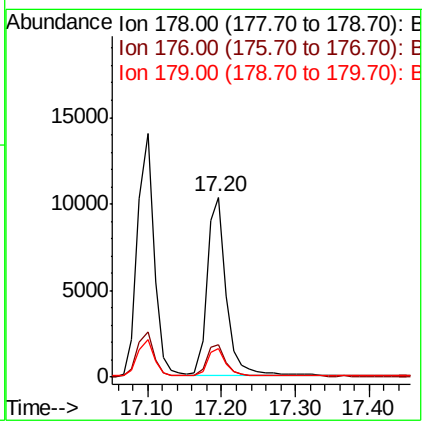


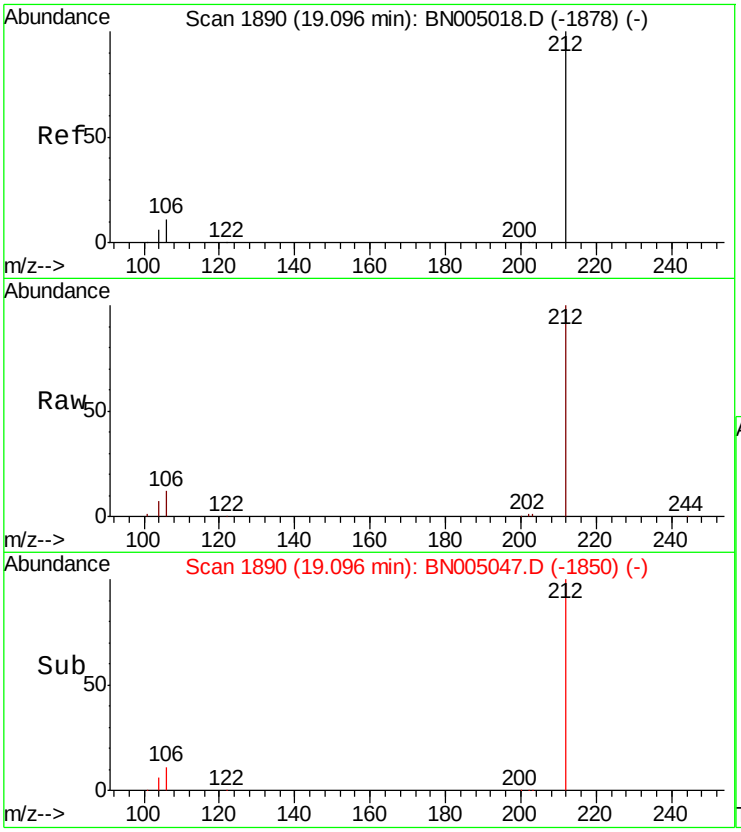




#24
Anthracene
Concen: 0.409 ng
RT: 17.20 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:178 Resp: 18532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.6 | 22.0 |
| 179 | 15.2 | 12.3 | 18.5 |



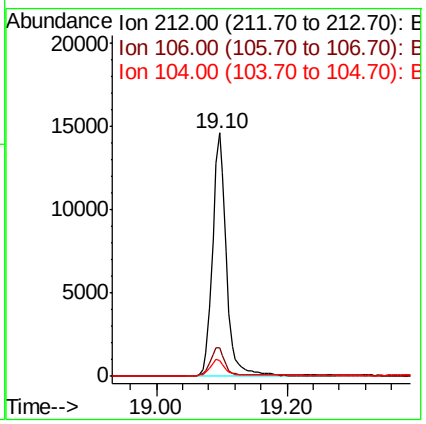


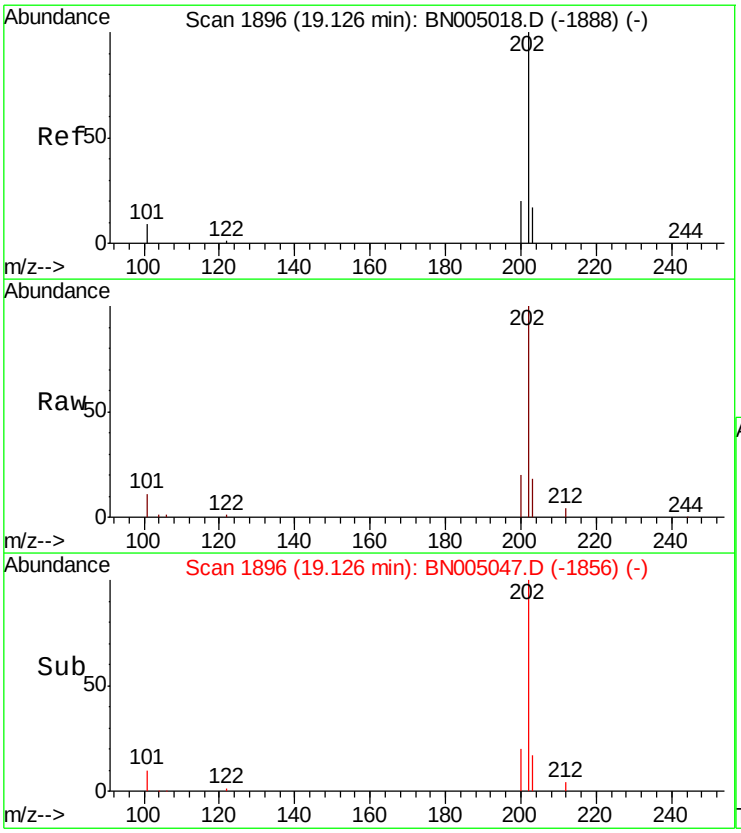

#25
Fluoranthene-d10
Concen: 0.410 ng
RT: 19.10 min Scan# 1890
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:212 Resp: 21274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 12.0 | 9.4 | 14.2 |
| 104 | 6.6 | 5.4 | 8.0 |

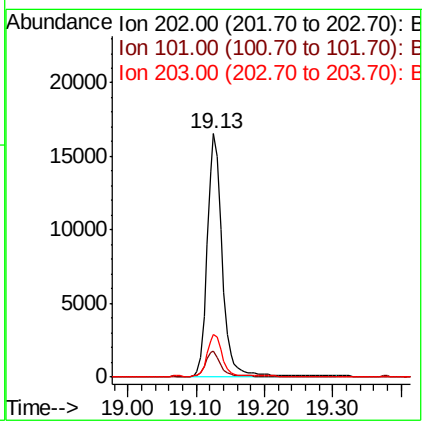


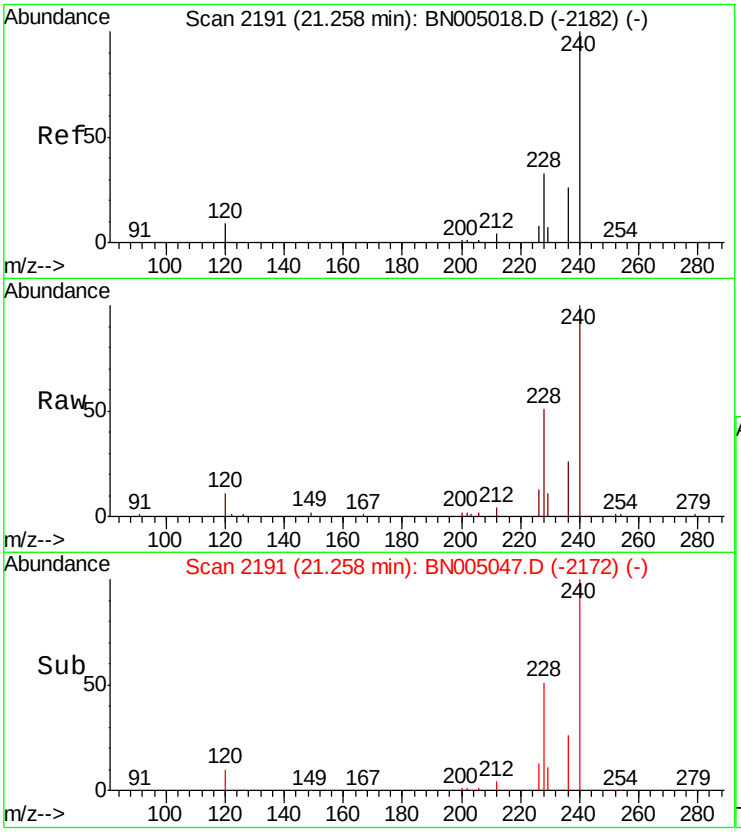




#26
Fluoranthene
Concen: 0.402 ng
RT: 19.13 min Scan# 1896
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:202 Resp: 25023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.5 | 8.2 | 12.2 |
| 203 | 17.2 | 13.8 | 20.8 |



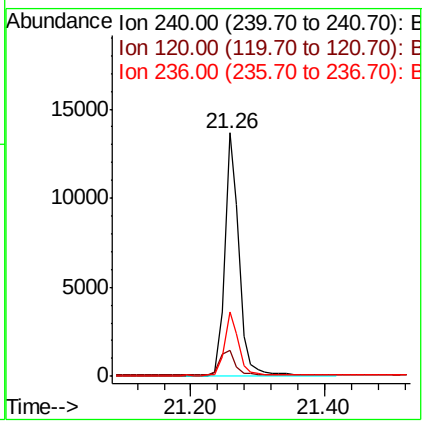


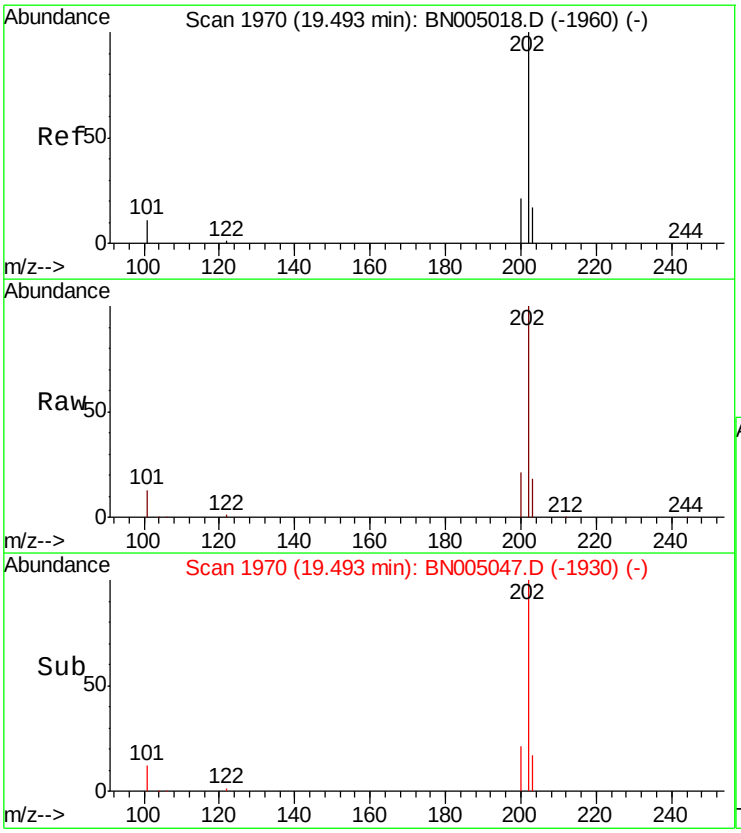

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:240 Resp: 19769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.8 | 7.4 | 11.0 |
| 236 | 26.3 | 21.0 | 31.6 |

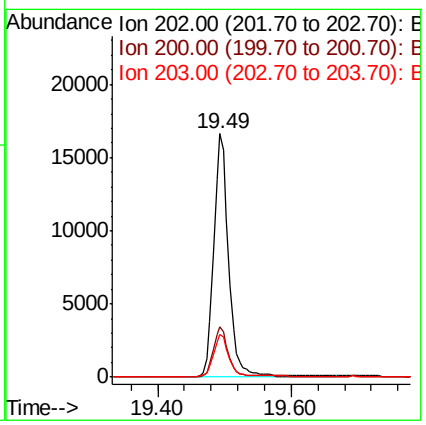


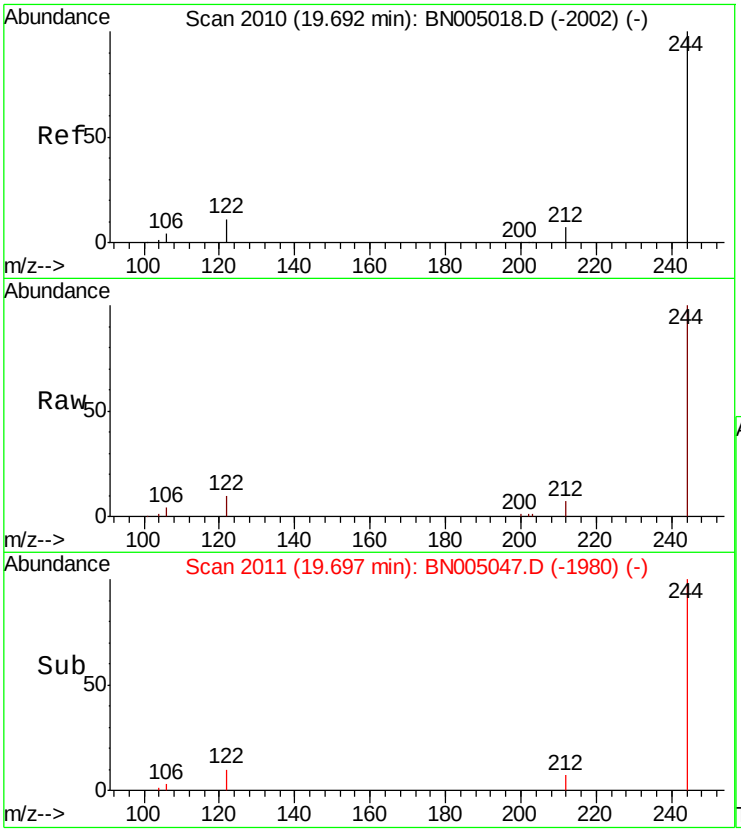




#28
Pyrene
Concen: 0.451 ng
RT: 19.49 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:202 Resp: 25330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 16.5 | 24.7 |
| 203 | 17.6 | 13.9 | 20.9 |



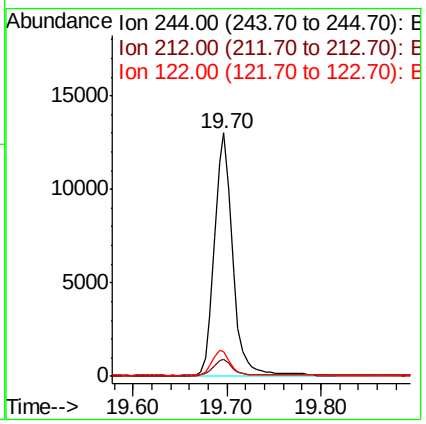


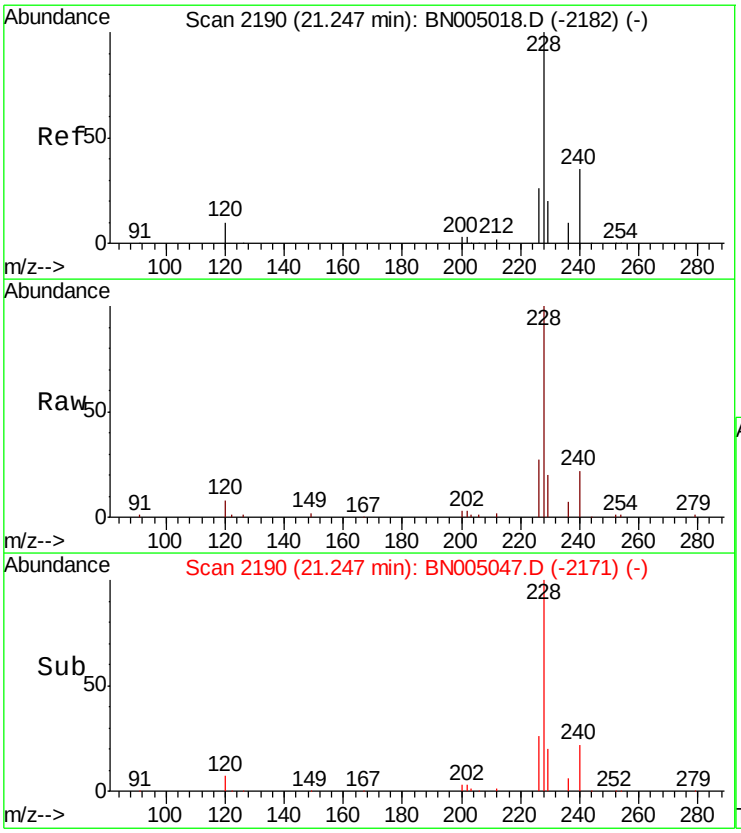

#29
Terphenyl-d14
Concen: 0.429 ng
RT: 19.70 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:244 Resp: 17417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.9 | 8.9 |
| 122 | 10.1 | 9.0 | 13.4 |

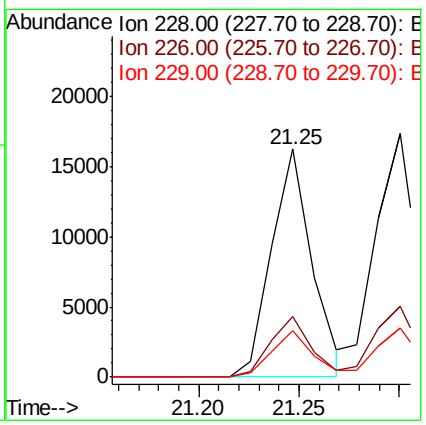


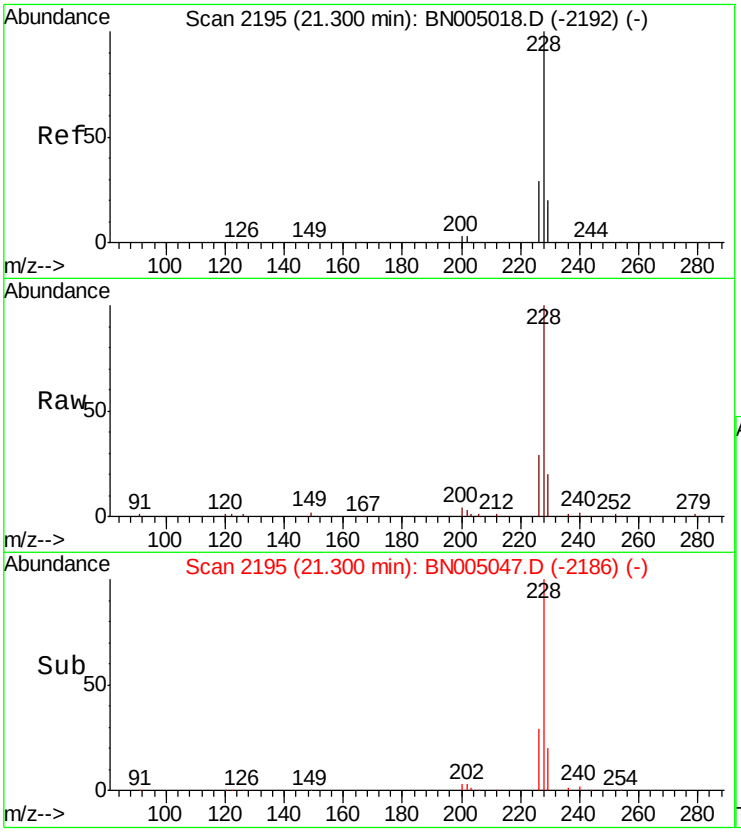




#30
Benzo(a)anthracene
Concen: 0.407 ng
RT: 21.25 min Scan# 2190
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:228 Resp: 22713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 20.9 | 31.3 |
| 229 | 20.1 | 16.2 | 24.2 |



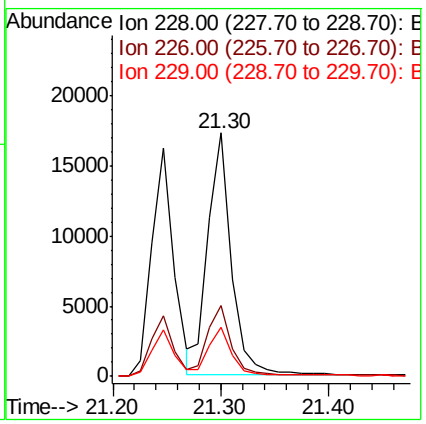


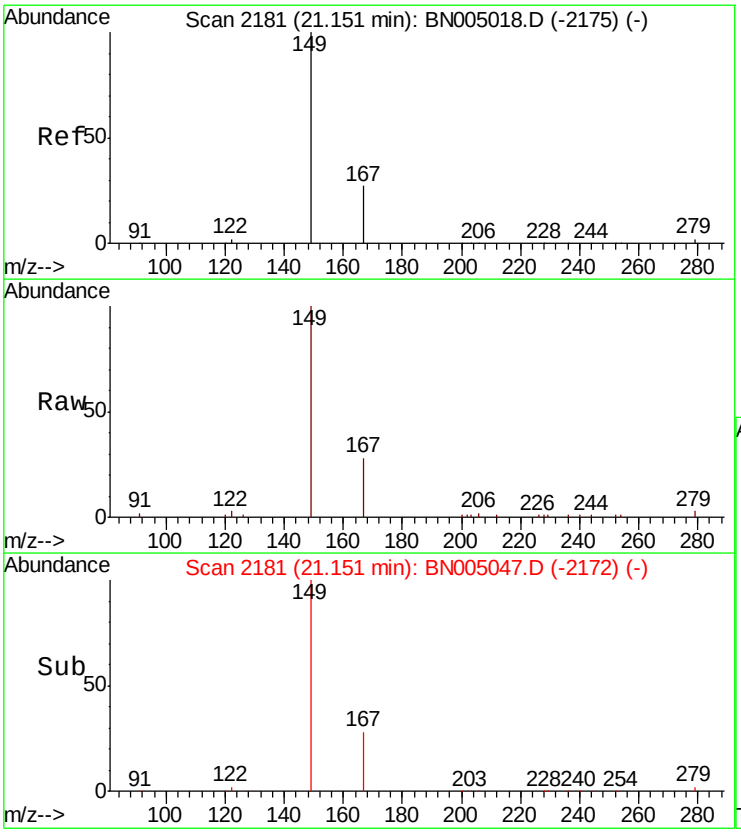

#31
Chrysene
Concen: 0.428 ng
RT: 21.30 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:228 Resp: 25694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 22.8 | 34.2 |
| 229 | 20.1 | 16.2 | 24.4 |

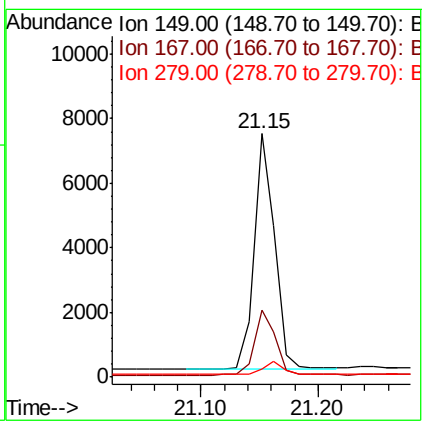


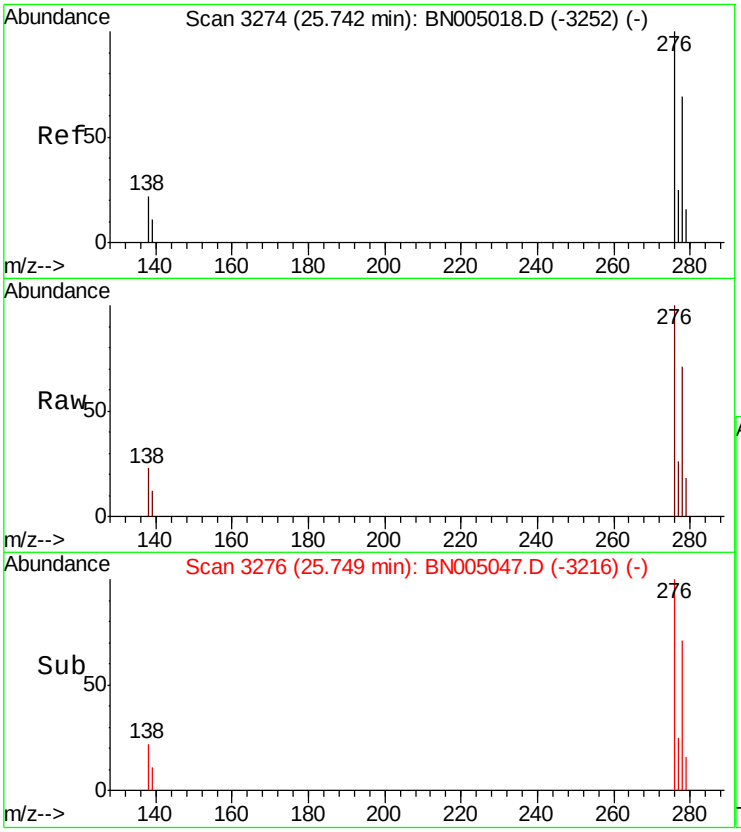




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.378 ng
RT: 21.15 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:149 Resp: 8818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.1 | 22.2 | 33.4 |
| 279 | 5.4 | 4.2 | 6.4 |



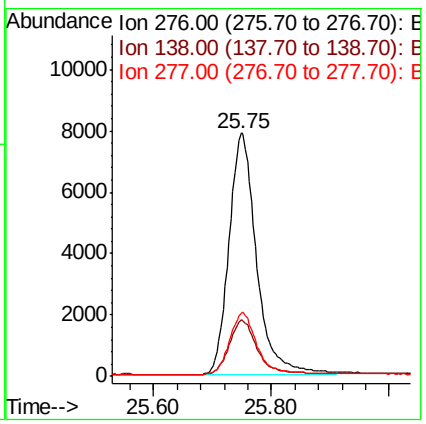


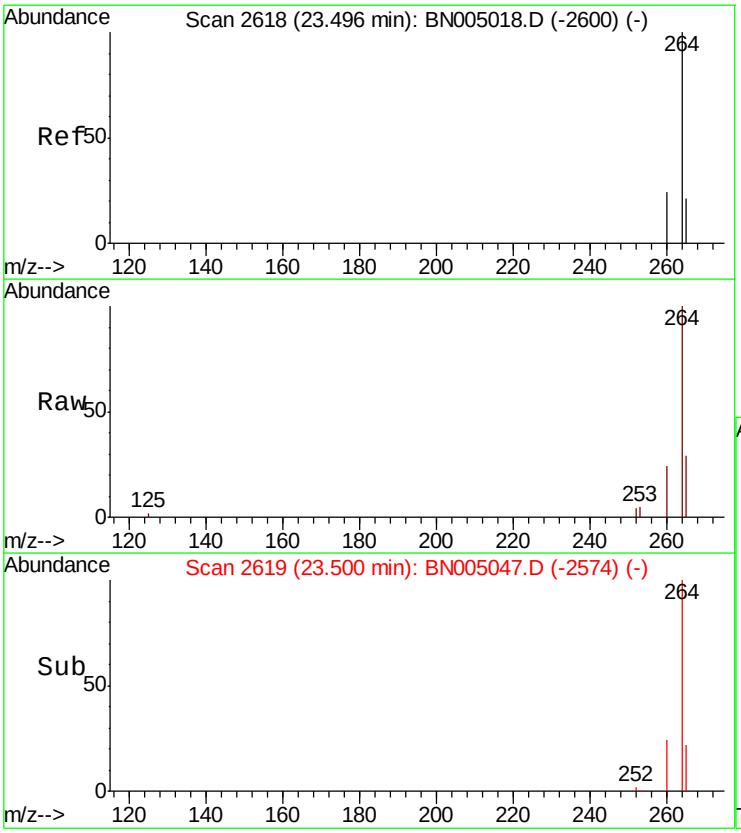

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.378 ng
RT: 25.75 min Scan# 3276
Delta R.T. 0.01 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:276 Resp: 25541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.6 | 18.2 | 27.2 |
| 277 | 25.6 | 20.3 | 30.5 |

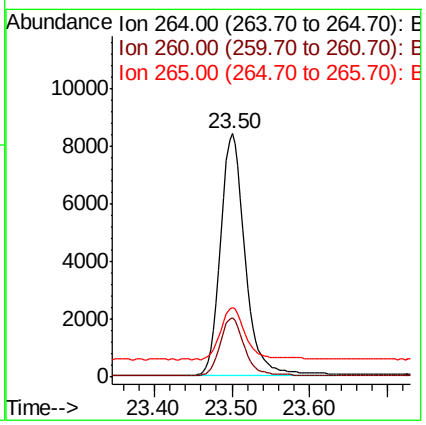


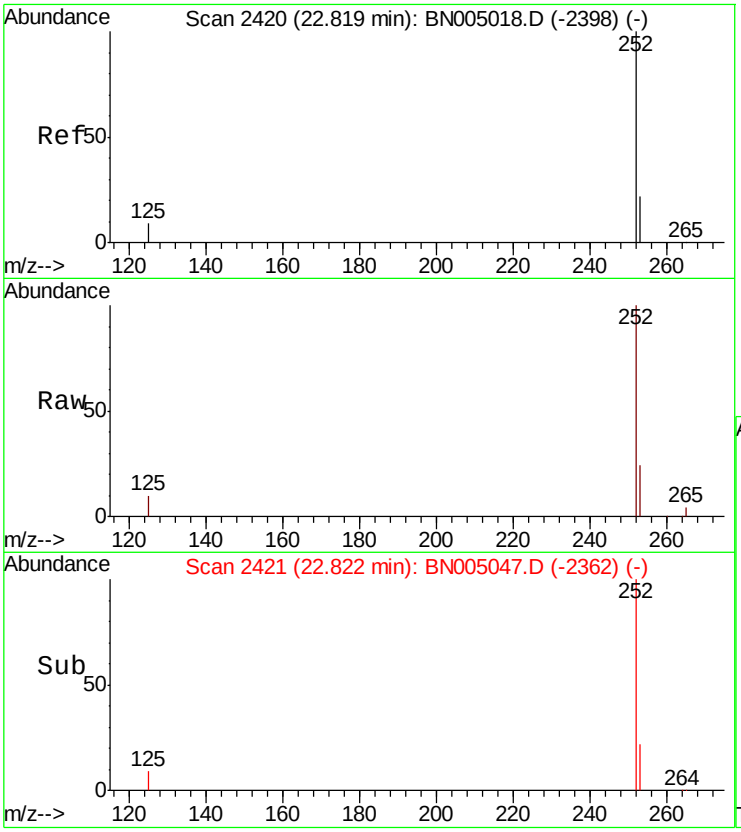




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2619
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:264 Resp: 18213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.4 | 29.0 |
| 265 | 28.6 | 22.5 | 33.7 |



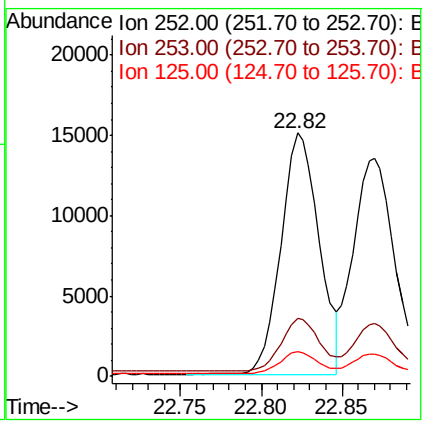


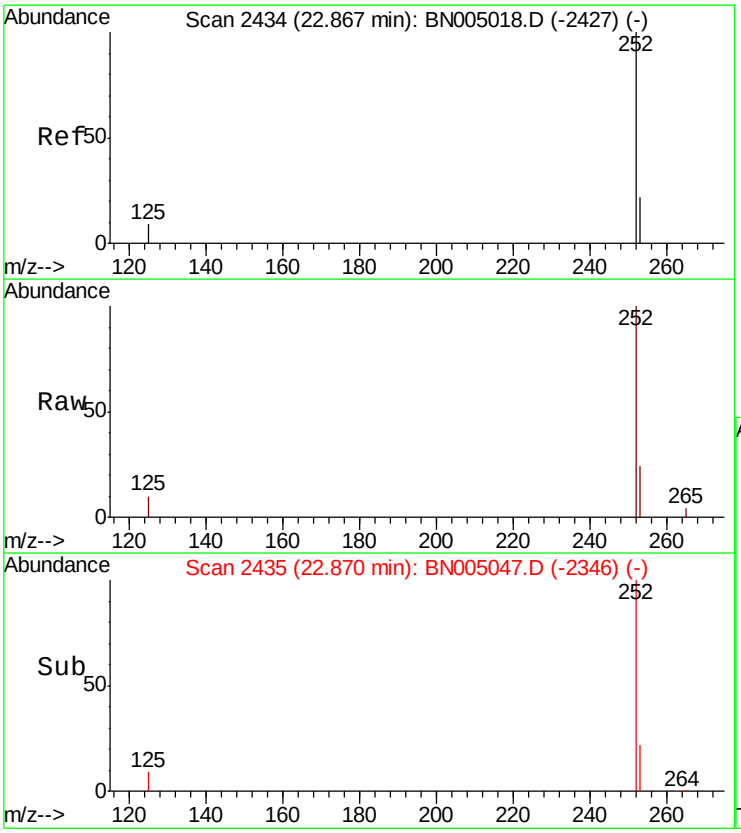

#35
Benzo(b)fluoranthene
Concen: 0.422 ng
RT: 22.82 min Scan# 2421
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:252 Resp: 24624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 19.2 | 28.8 |
| 125 | 10.3 | 8.2 | 12.2 |

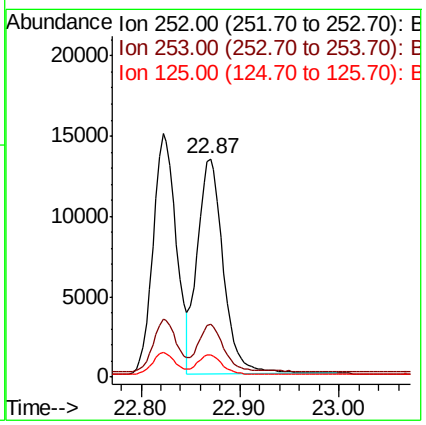


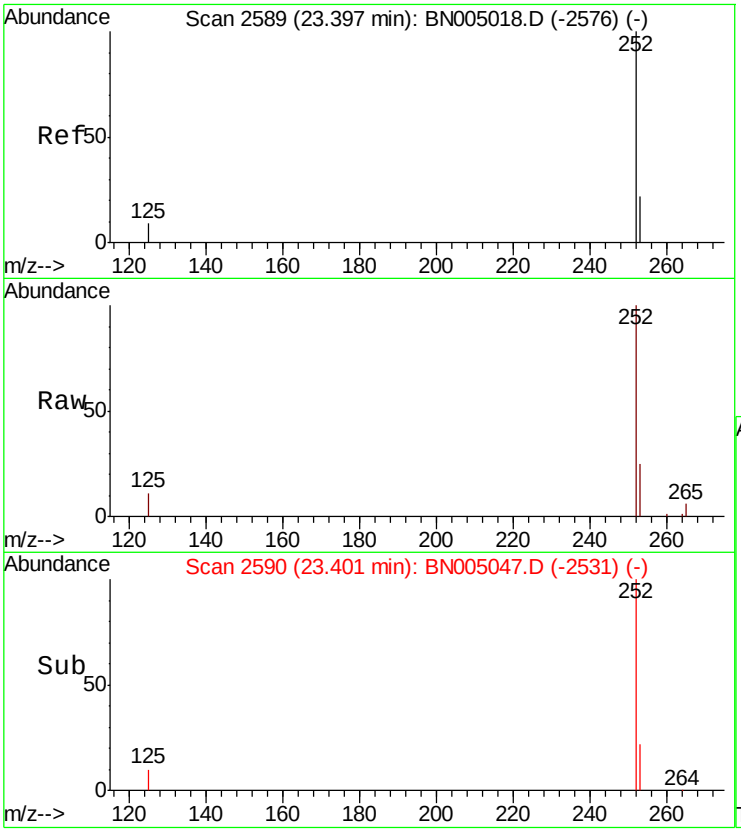




#36
Benzo(k)fluoranthene
Concen: 0.437 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:252 Resp: 24674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 19.3 | 28.9 |
| 125 | 10.2 | 8.2 | 12.2 |



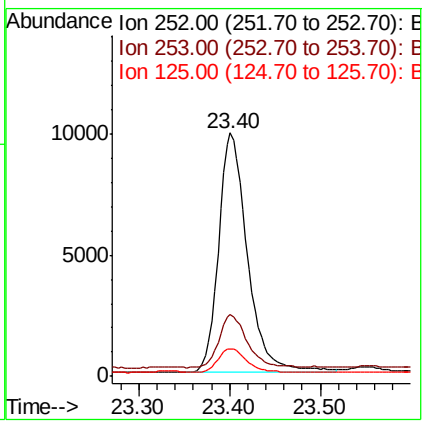


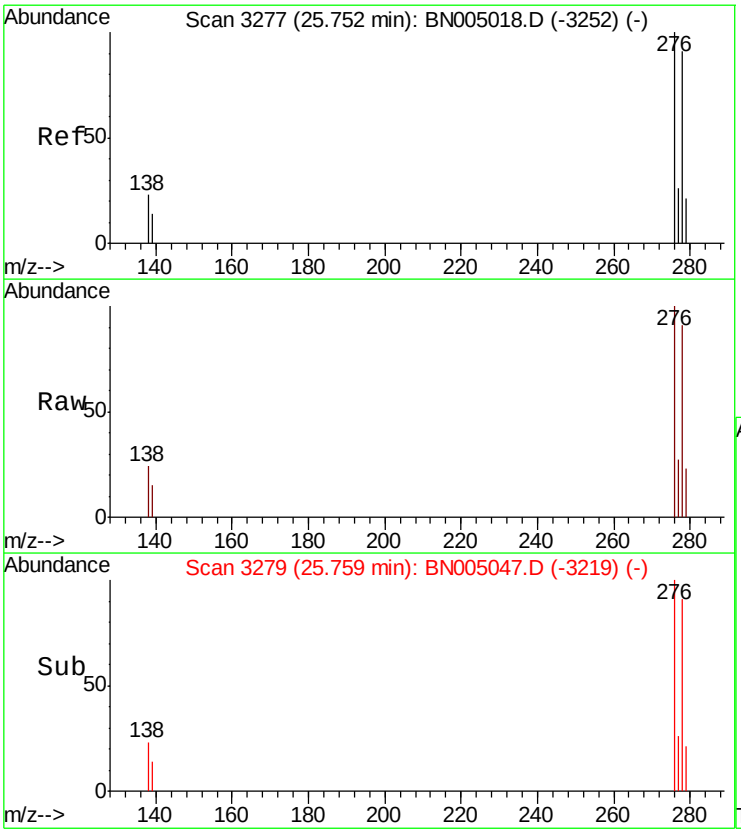

#37
Benzo(a)pyrene
Concen: 0.419 ng
RT: 23.40 min Scan# 2590
Delta R.T. 0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:252 Resp: 21773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.3 | 20.2 | 30.2 |
| 125 | 11.4 | 9.2 | 13.8 |

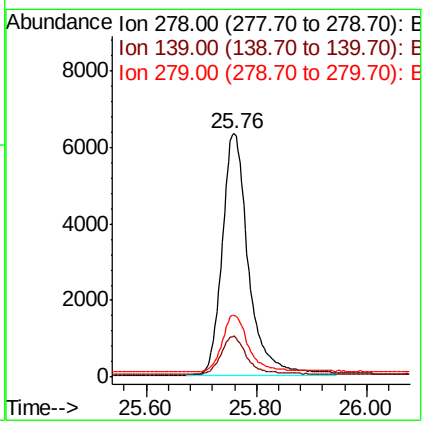


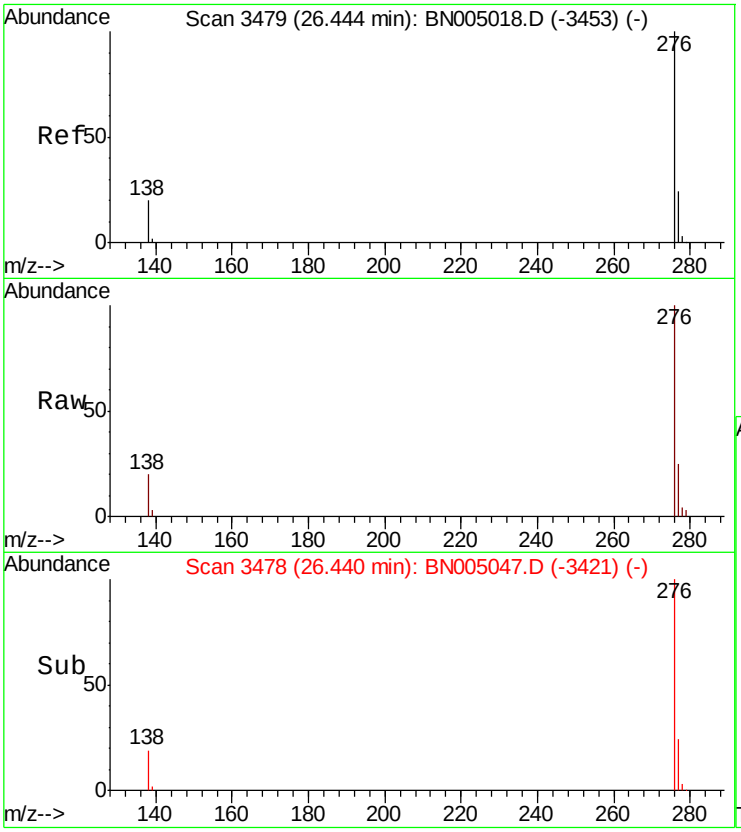




#38
Dibenzo(a,h)anthracene
Concen: 0.401 ng
RT: 25.76 min Scan# 3279
Delta R.T. 0.01 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

Tgt Ion:278 Resp: 20826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.9 | 13.1 | 19.7 |
| 279 | 25.2 | 20.2 | 30.2 |






#39
Benzo(g,h,i)perylene
Concen: 0.405 ng
RT: 26.44 min Scan# 3478
Delta R.T. -0.00 min
Lab File: BN005047.D
Acq: 01 Apr 2019 14:31

**Instrument :**
BNA_N
**ClientSampleId :**
PB118407BS

Tgt Ion:276 Resp: 21204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.6 | 19.8 | 29.6 |
| 138 | 20.1 | 16.4 | 24.6 |