Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032019\
Data File : BN004825.D
Acq On : 20 Mar 2019 18:44
Operator : JU/SJ
Sample : PB117833BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** PB117833BL

Quant Time: Mar 21 08:47:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 20 16:06:20 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 1839 | 0.40 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.49 | 136 | 7374 | 0.40 | ng | 0.00 |
| 13) Acenaphthene-d10 | 14.34 | 164 | 4343 | 0.40 | ng | 0.00 |
| 19) Phenanthrene-d10 | 17.10 | 188 | 12588 | 0.40 | ng | 0.01 |
| 27) Chrysene-d12 | 21.30 | 240 | 18060 | 0.40 | ng | 0.01 |
| 34) Perylene-d12 | 23.55 | 264 | 20927 | 0.40 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.30 | 112 | 1296 | 0.26 | ng | 0.00 |
| 5) Phenol-d6 | 6.89 | 99 | 1501 | 0.24 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.88 | 82 | 1088 | 0.22 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.09 | 152 | 2841 | 0.22 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.86 | 330 | 580 | 0.19 | ng | 0.01 |
| 15) 2-Fluorobiphenyl | 12.96 | 172 | 4587 | 0.26 | ng | 0.00 |
| 25) Fluoranthene-d10 | 19.14 | 212 | 10064 | 0.24 | ng | 0.00 |
| 29) Terphenyl-d14 | 19.73 | 244 | 10015 | 0.27 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.28 | 88 | 4 | 0.002 | ng | # 1 |
| 3) n-Nitrosodimethylamine | 3.57 | 42 | 52 | 0.042 | ng | # 1 |
| 6) bis(2-Chloroethyl)ether | 7.14 | 93 | 3 | 0.001 | ng | # 1 |
| 9) Naphthalene | 10.50 | 128 | 12 | 0.001 | ng | # 1 |
| 12) 2-Methylnaphthalene | 12.16 | 142 | 3 | 0.000 | ng | # 50 |
| 16) Acenaphthylene | 14.07 | 152 | 13 | 0.001 | ng | # 68 |
| 17) Acenaphthene | 14.44 | 154 | 2 | 0.000 | ng | # 4 |
| 18) Fluorene | 15.40 | 166 | 7 | 0.000 | ng | # 68 |
| 20) 4-Bromophenyl-phenylether | 16.49 | 248 | 1 | 0.000 | ng | # 73 |
| 21) Hexachlorobenzene | 16.33 | 284 | 4 | 0.000 | ng | # 47 |
| 22) Pentachlorophenol | 16.77 | 266 | 1 | 0.001 | ng | # 65 |
| 23) Phenanthrene | 17.14 | 178 | 36 | 0.001 | ng | # 82 |
| 24) Anthracene | 17.26 | 178 | 8 | 0.000 | ng | # 1 |
| 26) Fluoranthene | 19.17 | 202 | 23 | 0.000 | ng | # 65 |
| 28) Pyrene | 19.54 | 202 | 27 | 0.000 | ng | # 72 |
| 30) Benzo(a)anthracene | 21.30 | 228 | 86 | 0.001 | ng | # 12 |
| 31) Chrysene | 21.30 | 228 | 71 | 0.001 | ng | # 18 |
| 32) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 256 | 0.011 | ng | # 87 |
| 33) Indeno(1,2,3-cd)pyrene | 25.81 | 276 | 3 | 0.000 | ng | # 35 |
| 35) Benzo(b)fluoranthene | 22.88 | 252 | 37 | 0.000 | ng | # 1 |
| 36) Benzo(k)fluoranthene | 22.94 | 252 | 19 | 0.000 | ng | # 1 |
| 37) Benzo(a)pyrene | 23.45 | 252 | 11 | 0.000 | ng | # 1 |
| 38) Dibenzo(a,h)anthracene | 25.83 | 278 | 1 | 0.000 | ng | # 1 |
| 39) Benzo(g,h,i)perylene | 26.54 | 276 | 4 | 0.000 | ng | # 1 |

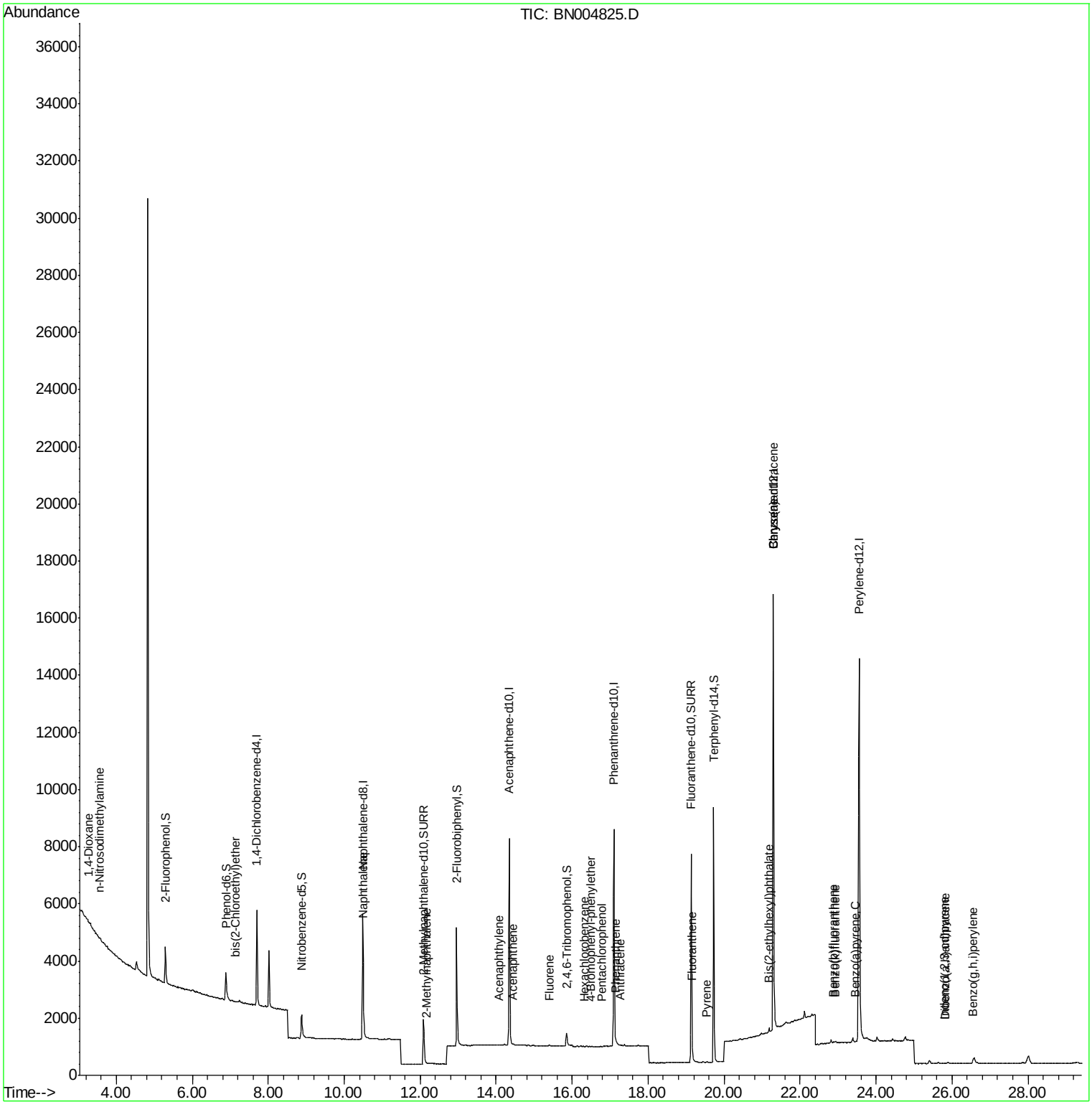
(#) = qualifier out of range (m) = manual integration (+) = signals summed

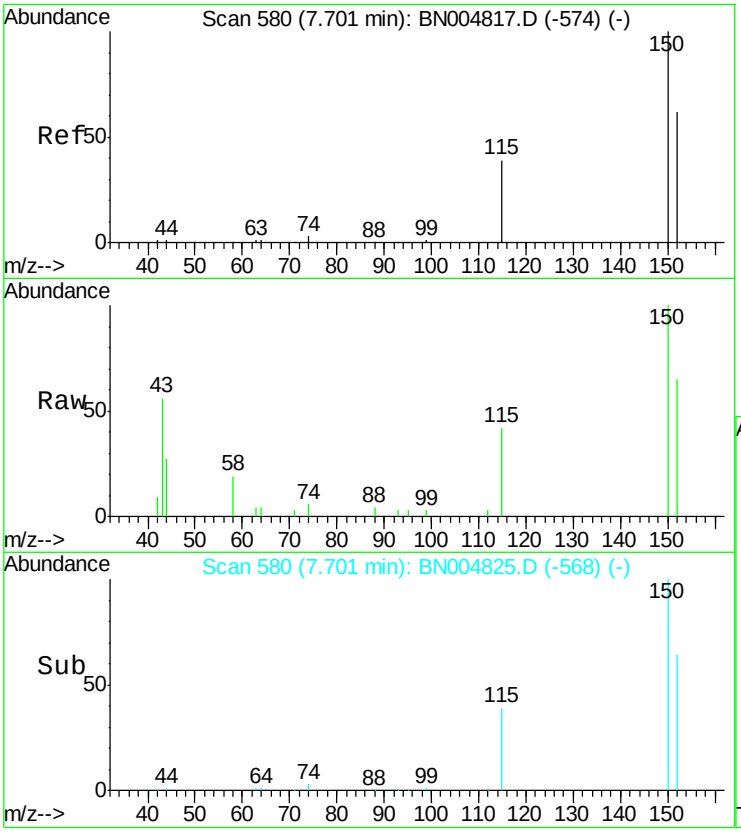
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032019\
Data File : BN004825.D
Acq On : 20 Mar 2019 18:44
Operator : JU/SJ
Sample : PB117833BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Quant Time: Mar 21 08:47:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 20 16:06:20 2019
Response via : Initial Calibration



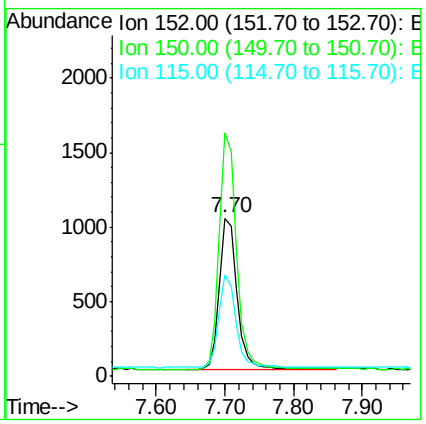


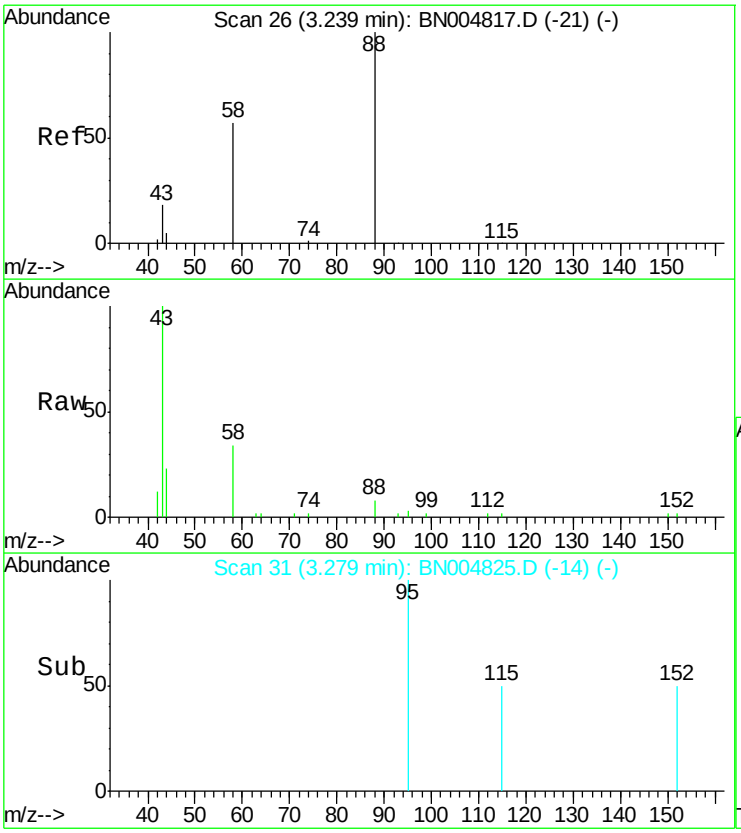

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:152 Resp: 1839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.7 | 126.2 | 189.4 |
| 115 | 64.3 | 52.6 | 79.0 |

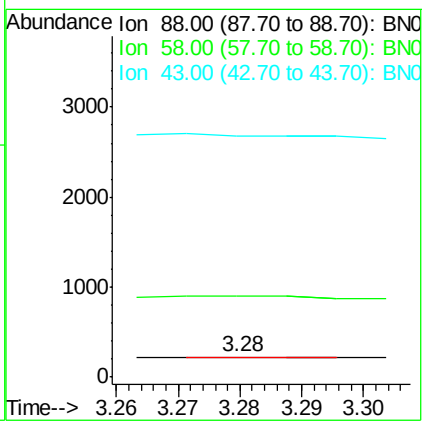


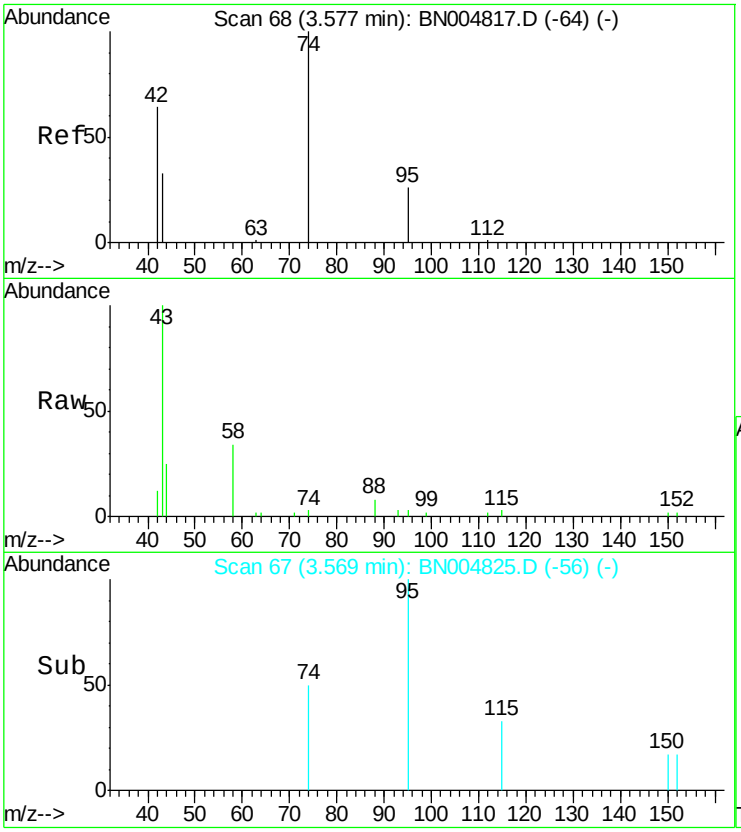




#2
1,4-Dioxane
Concen: 0.002 ng
RT: 3.28 min Scan# 31
Delta R.T. 0.04 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion: 88 Resp: 4

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 875.0 | 51.4 | 77.2# |
| 43 | 0.0 | 20.0 | 30.0# |



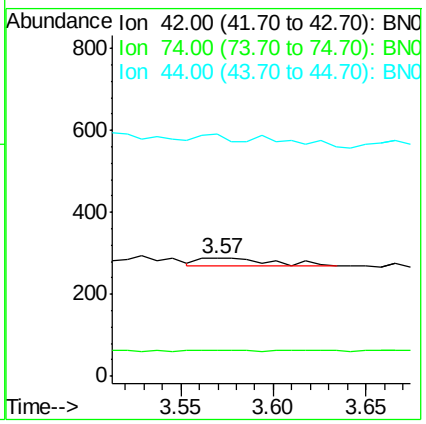


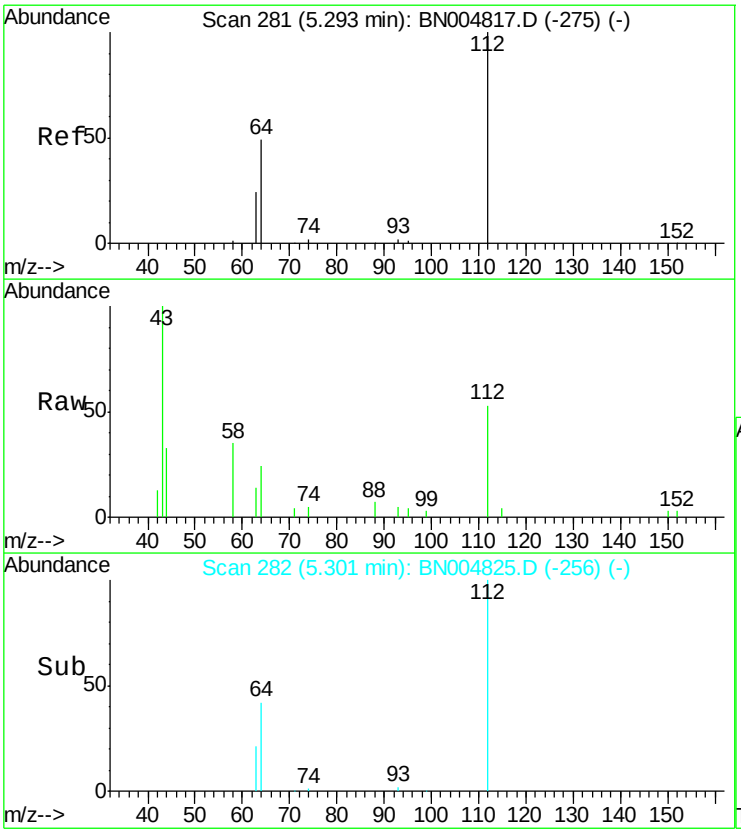

#3
n-Nitrosodimethylamine
Concen: 0.042 ng
RT: 3.57 min Scan# 67
Delta R.T. -0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion: 42 Resp: 52

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 15.4 | 128.4 | 192.6# |
| 44 | 34.6 | 6.1 | 9.1# |

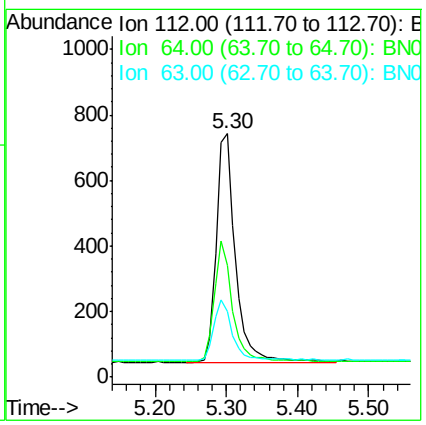


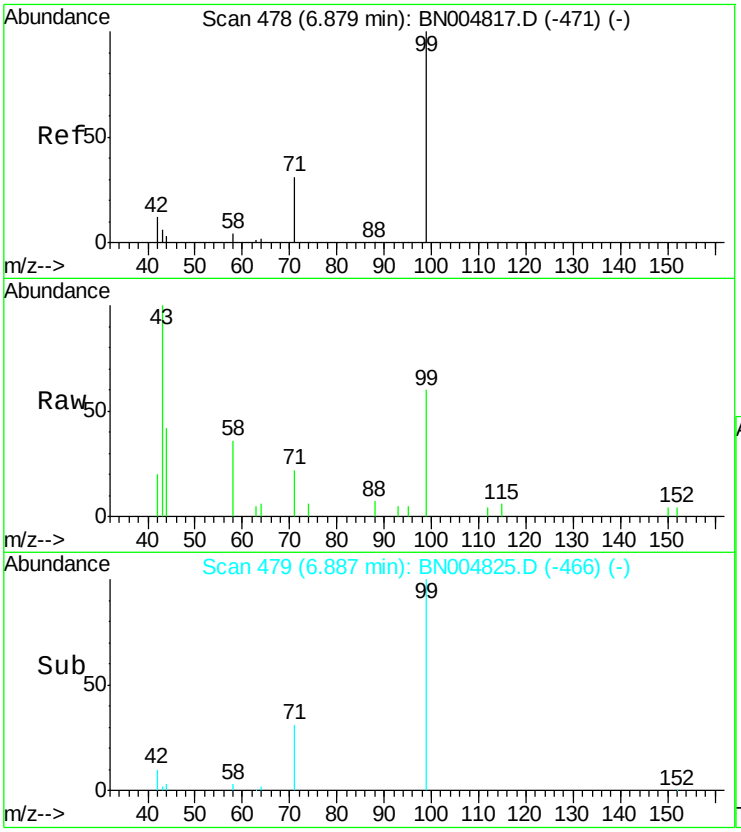




#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.30 min Scan# 282
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:112 Resp: 1296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 49.9 | 40.0 | 60.0 |
| 63 | 26.9 | 20.2 | 30.2 |



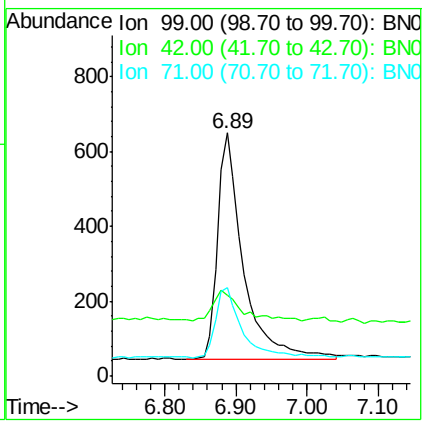


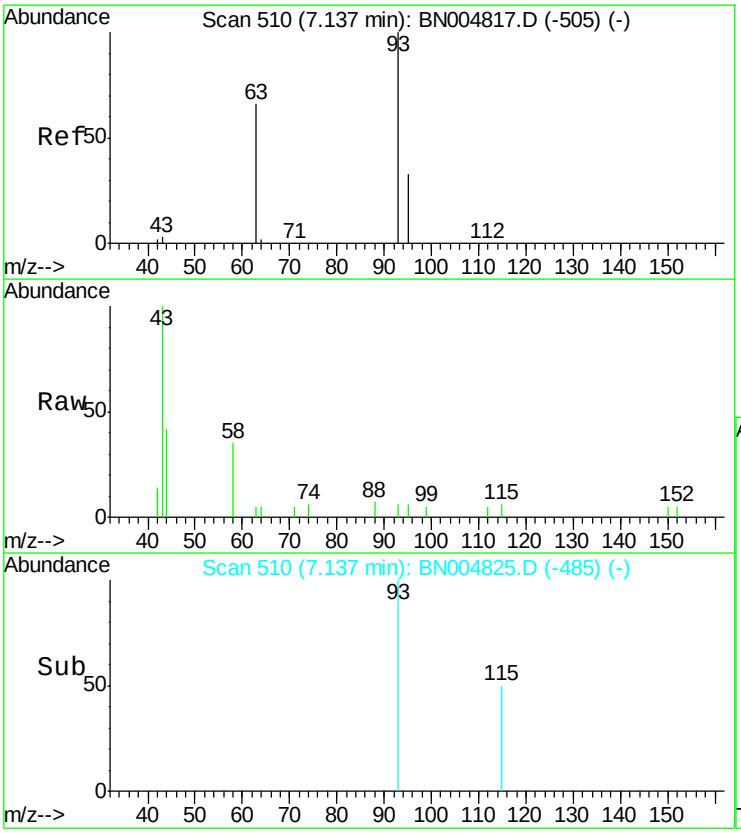

#5
Phenol-d6
Concen: 0.241 ng
RT: 6.89 min Scan# 479
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion: 99 Resp: 1501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.0 | 12.7 | 19.1 |
| 71 | 32.9 | 26.6 | 40.0 |

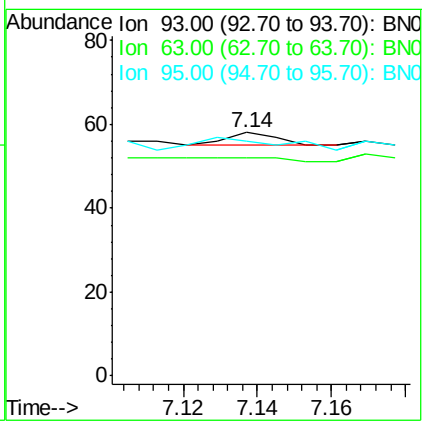


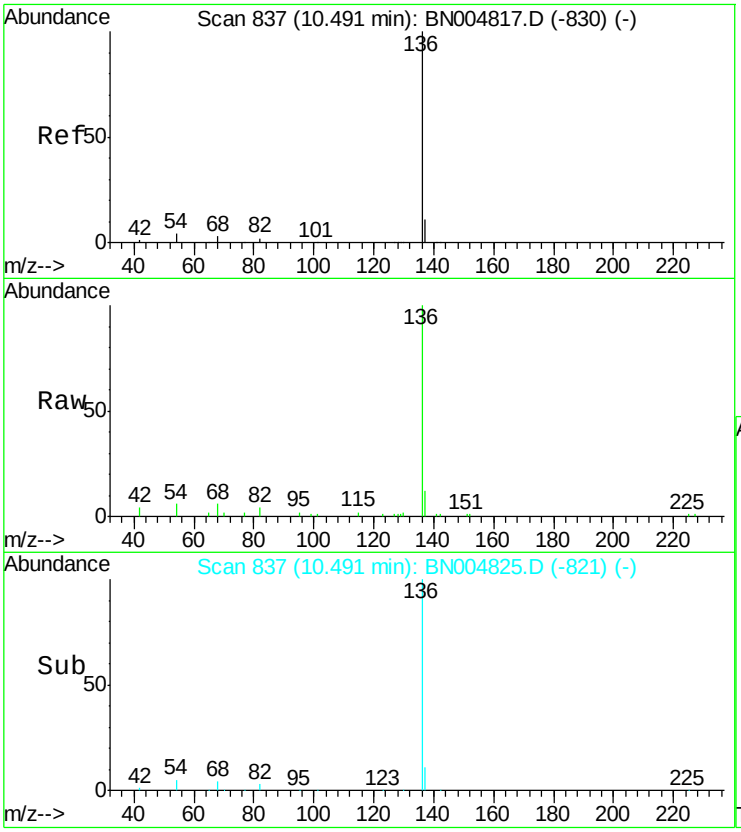




#6
bis(2-Chloroethyl)ether
Concen: 0.001 ng
RT: 7.14 min Scan# 510
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion: 93 Resp: 3

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 0.0 | 52.6 | 78.8# |
| 95 | 133.3 | 25.9 | 38.9# |



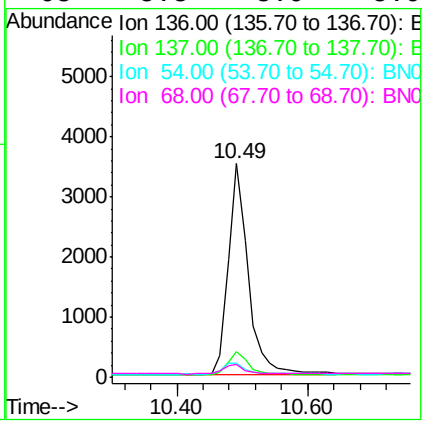


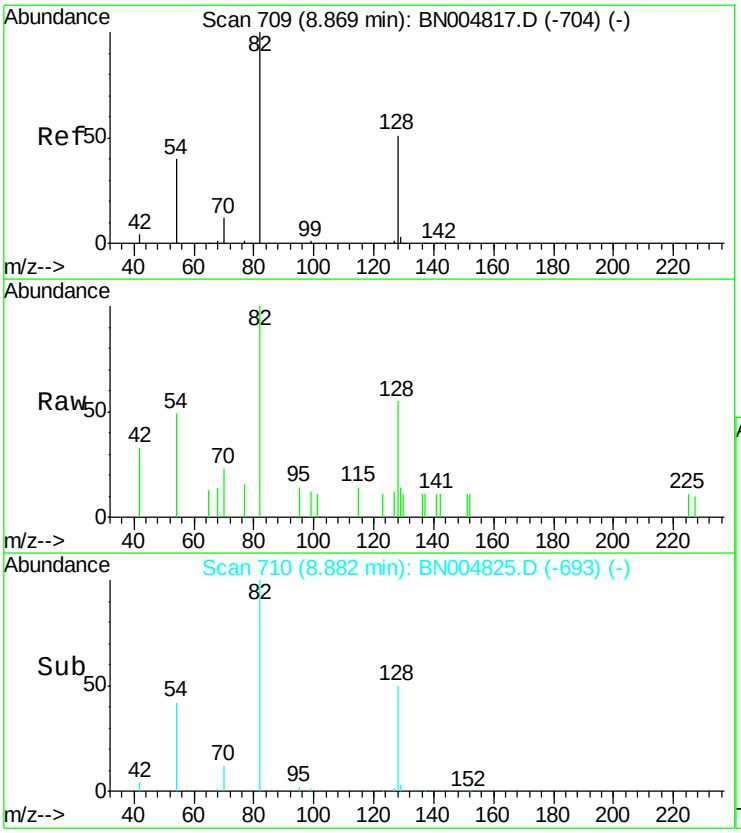

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.49 min Scan# 837
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:136 Resp: 7374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.1 | 9.6 | 14.4 |
| 54 | 6.4 | 4.2 | 6.2# |
| 68 | 5.8 | 3.9 | 5.9 |

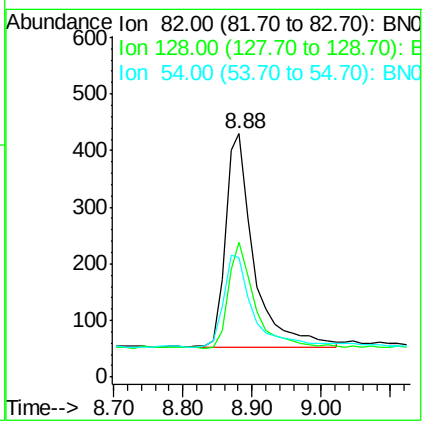


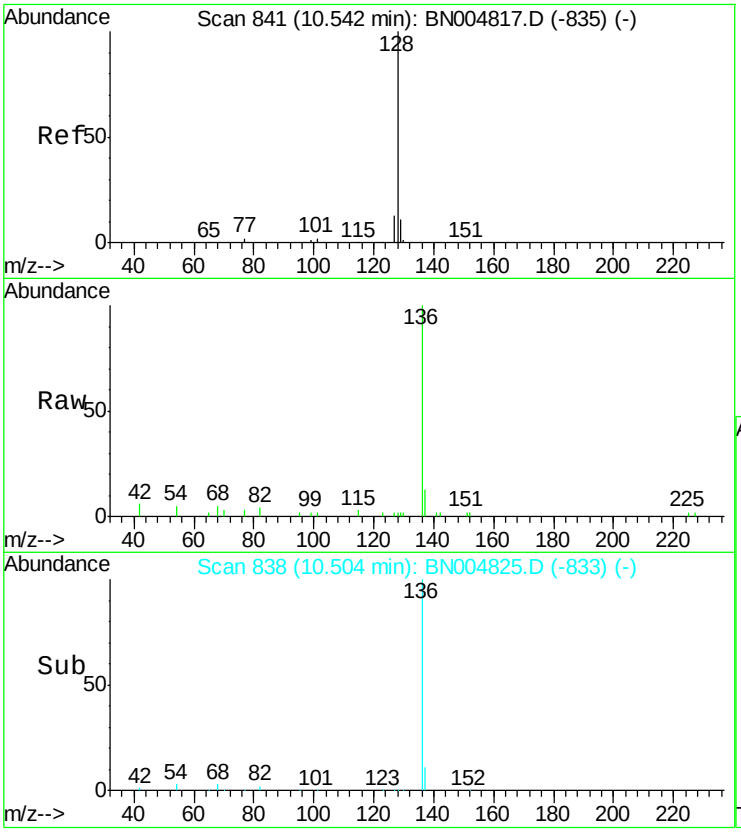




#8
Nitrobenzene-d5
Concen: 0.223 ng
RT: 8.88 min Scan# 710
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion: 82 Resp: 1088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 55.1 | 43.0 | 64.6 |
| 54 | 49.1 | 35.3 | 52.9 |



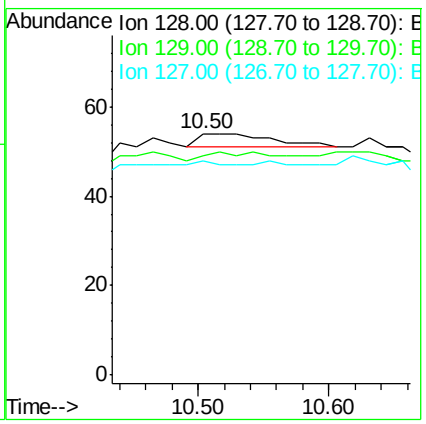


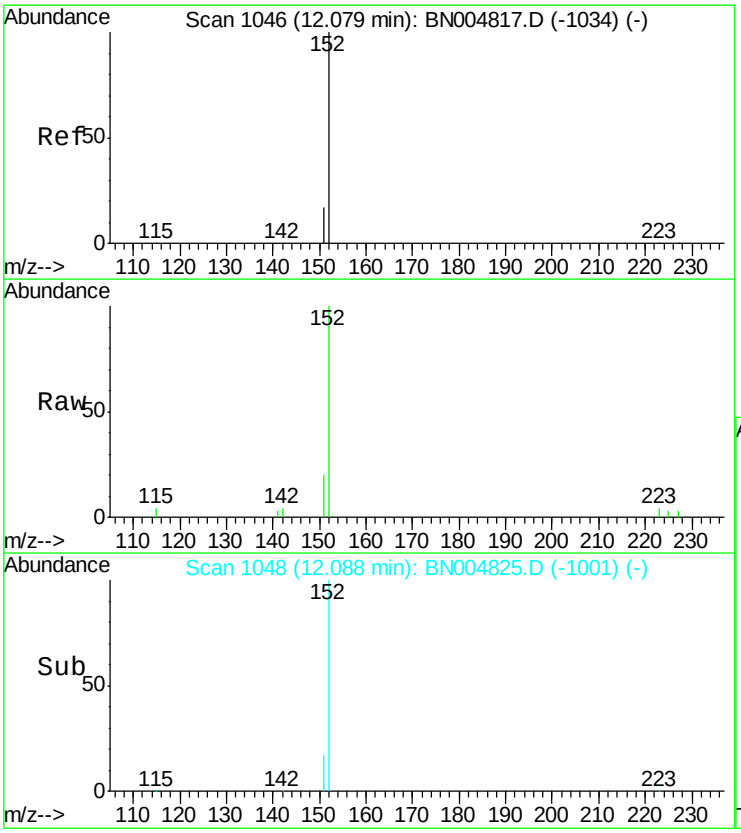

#9
Naphthalene
Concen: 0.001 ng
RT: 10.50 min Scan# 838
Delta R.T. -0.04 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:128 Resp: 12

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 90.7 | 9.9 | 14.9# |
| 127 | 88.9 | 11.3 | 16.9# |

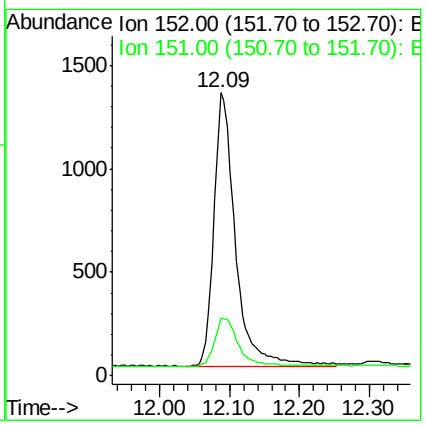


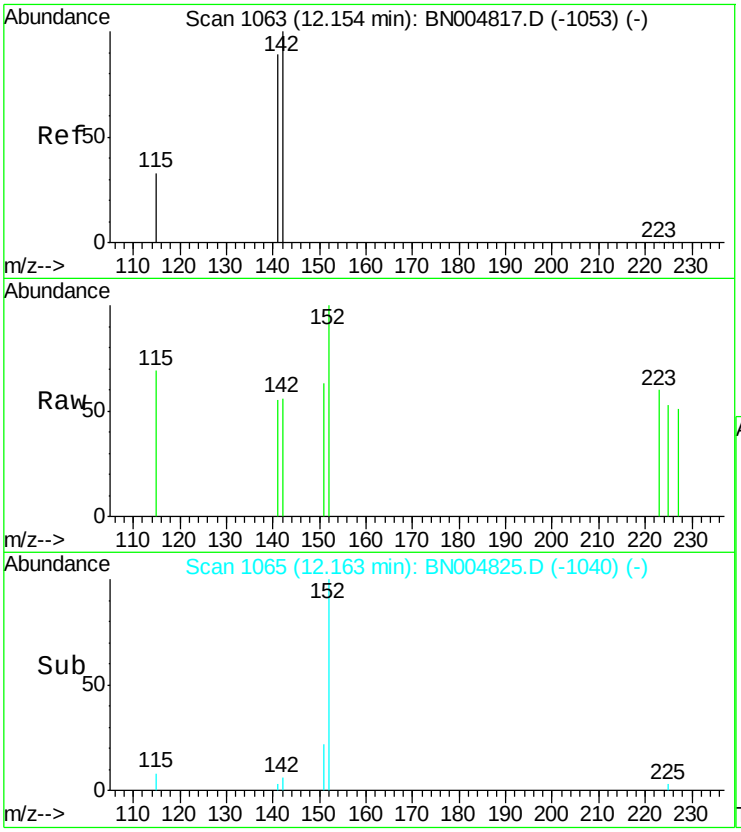




#11
2-Methylnaphthalene-d10
Concen: 0.221 ng
RT: 12.09 min Scan# 1048
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:152 Resp: 2841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.4 | 15.5 | 23.3 |



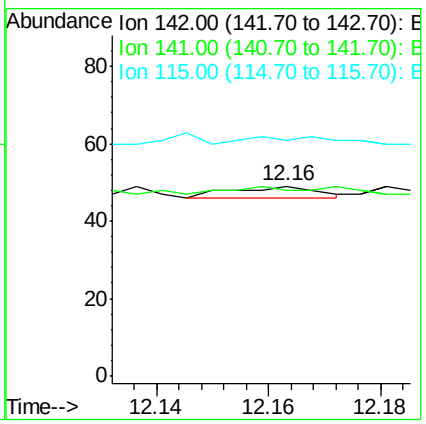


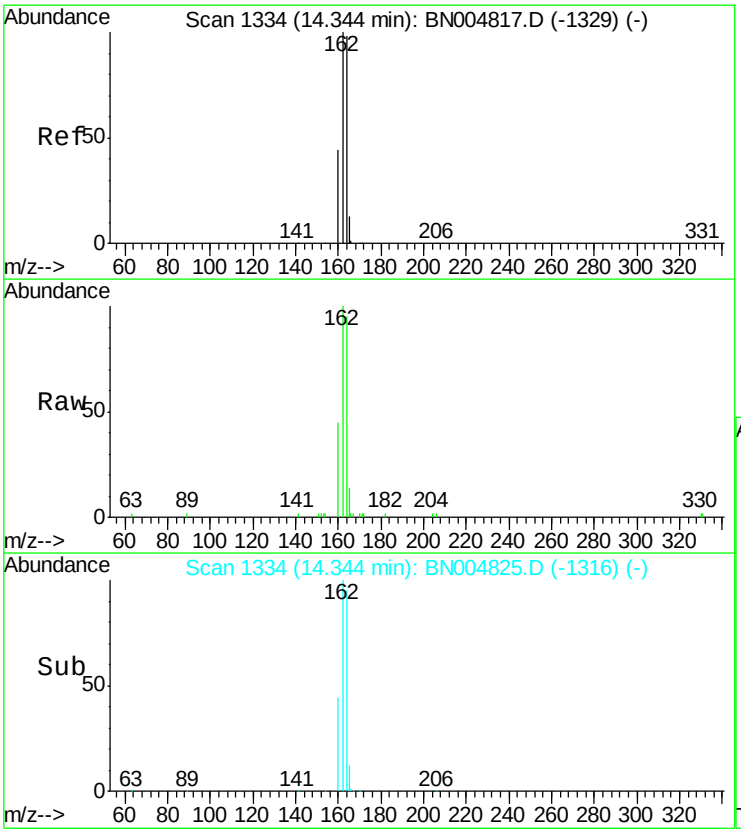

#12
2-Methylnaphthalene
Concen: 0.000 ng
RT: 12.16 min Scan# 1065
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:142 Resp: 3

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 98.0 | 71.4 | 107.2 |
| 115 | 124.5 | 27.5 | 41.3# |

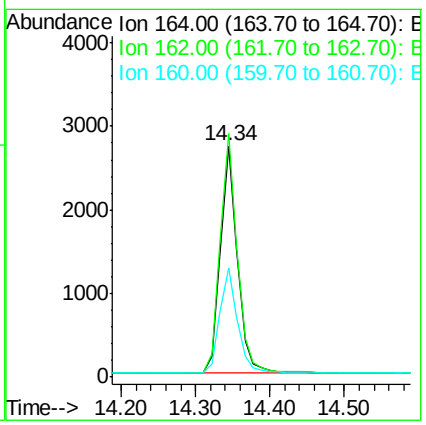


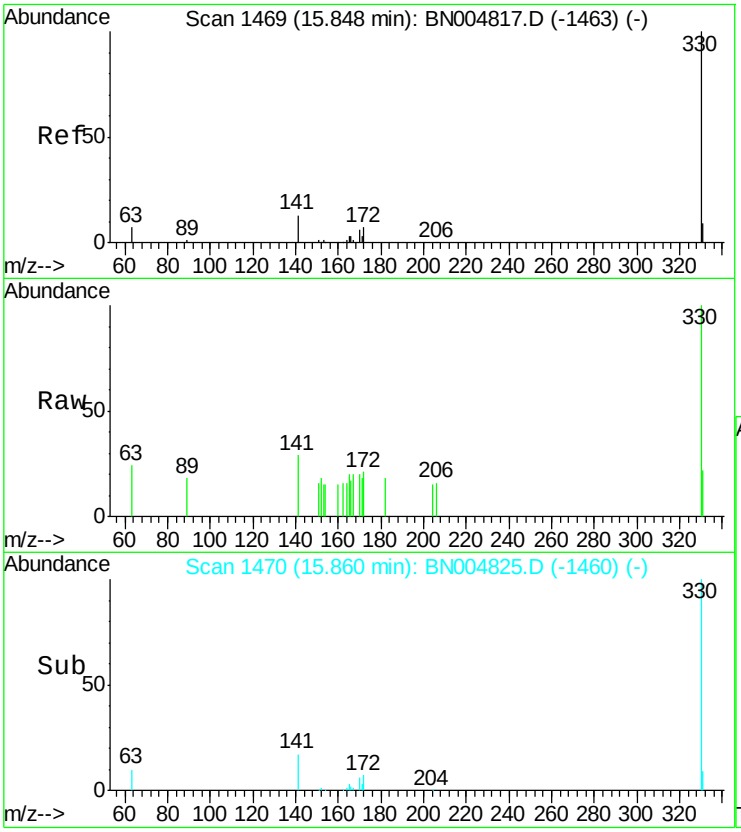




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.34 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:164 Resp: 4343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.3 | 81.9 | 122.9 |
| 160 | 47.4 | 36.6 | 54.8 |



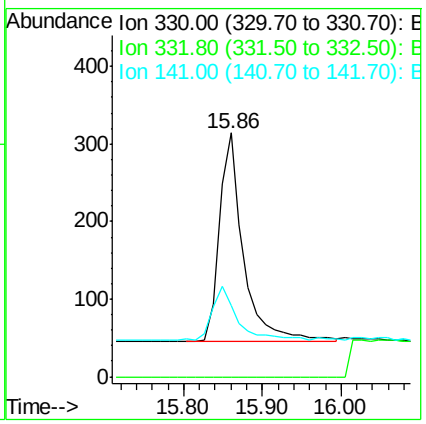


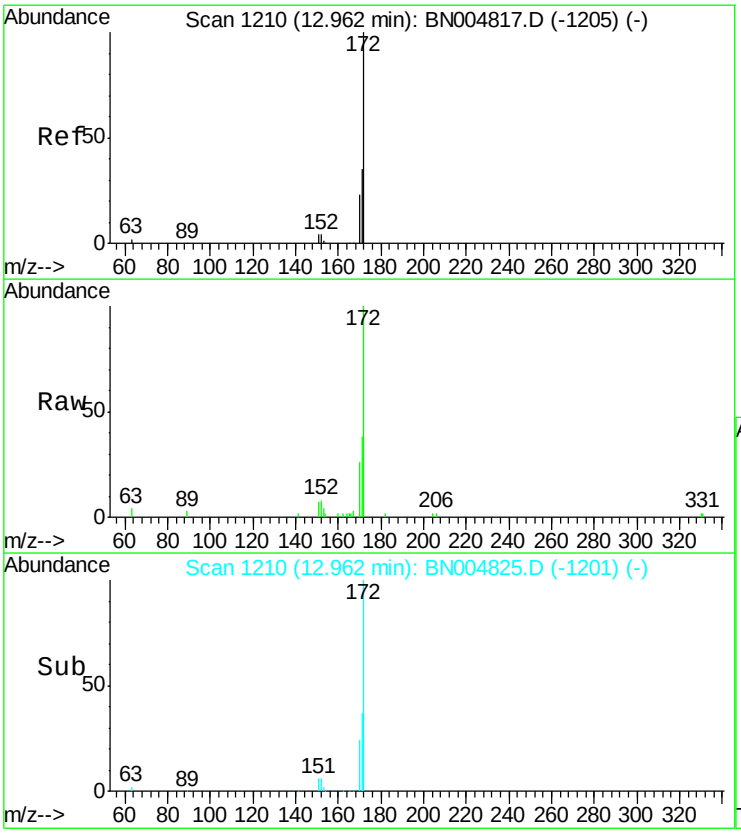

#14
2,4,6-Tribromophenol
Concen: 0.193 ng
RT: 15.86 min Scan# 1470
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:330 Resp: 580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 26.9 | 20.9 | 31.3 |

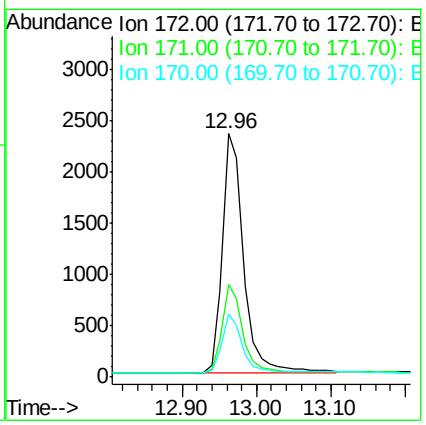


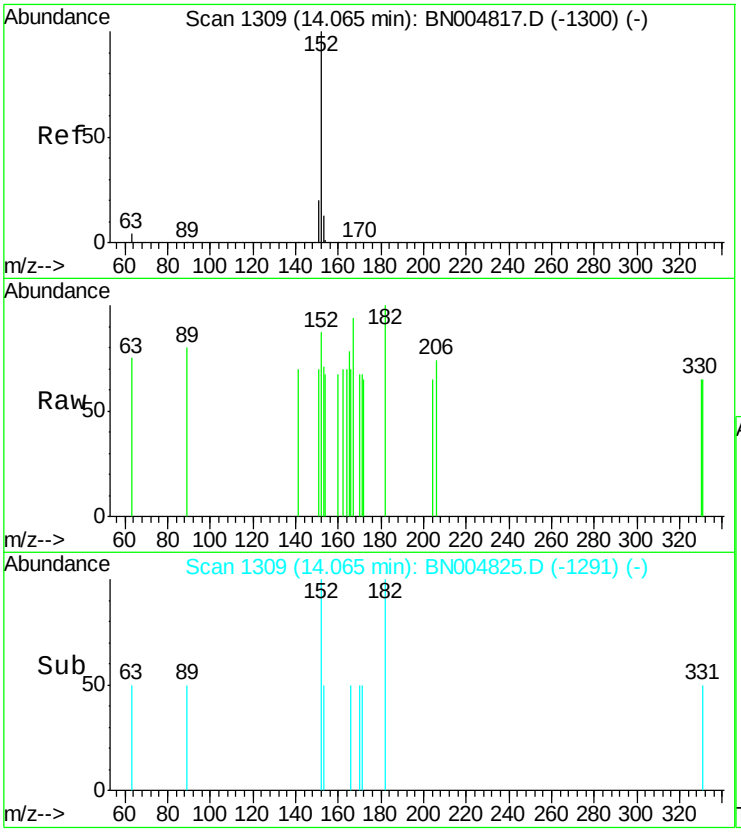




#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 12.96 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:172 Resp: 4587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.2 | 28.7 | 43.1 |
| 170 | 25.8 | 18.7 | 28.1 |



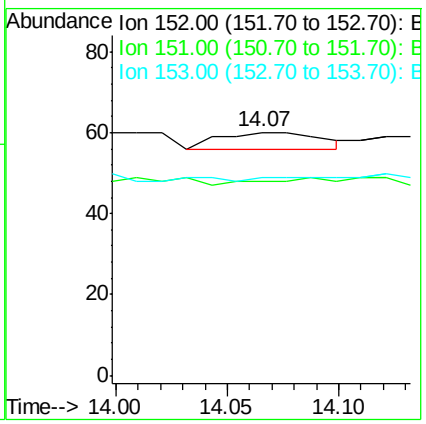


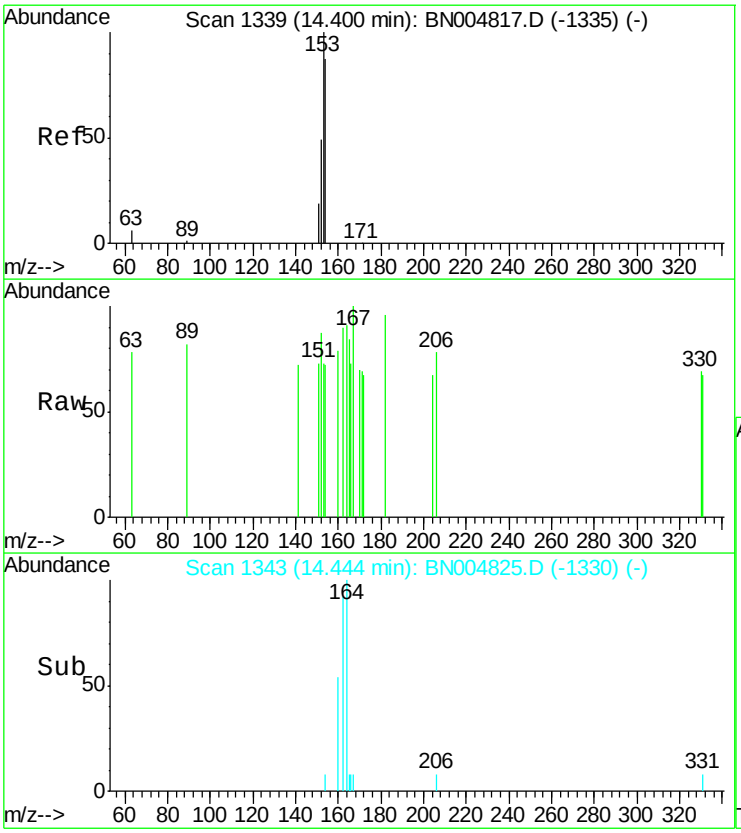

#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.07 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:152 Resp: 13

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 0.0 | 16.1 | 24.1# |
| 153 | 7.7 | 10.5 | 15.7# |

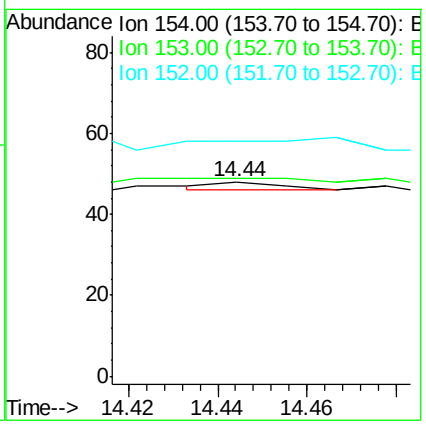


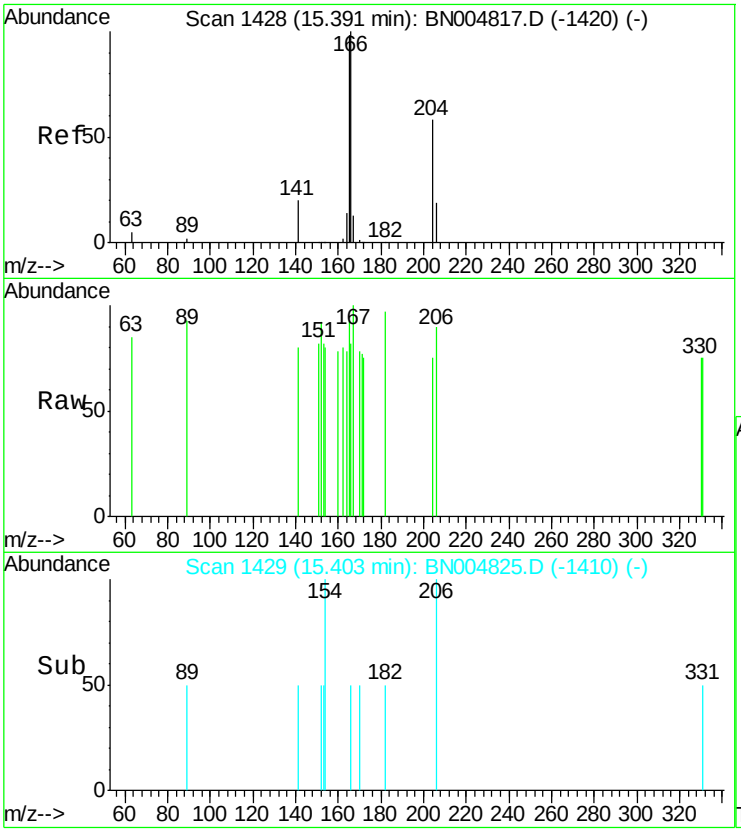




#17
Acenaphthene
Concen: 0.000 ng
RT: 14.44 min Scan# 1343
Delta R.T. 0.04 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:154 Resp: 2

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 0.0 | 91.4 | 137.2# |
| 152 | 0.0 | 44.2 | 66.2# |



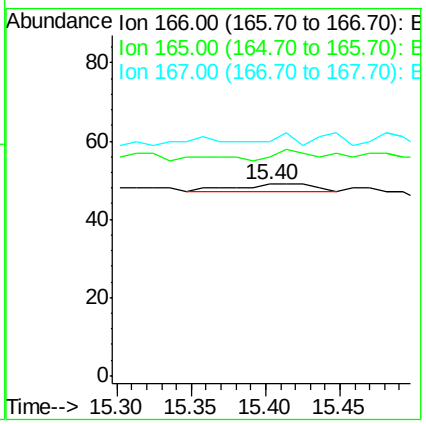


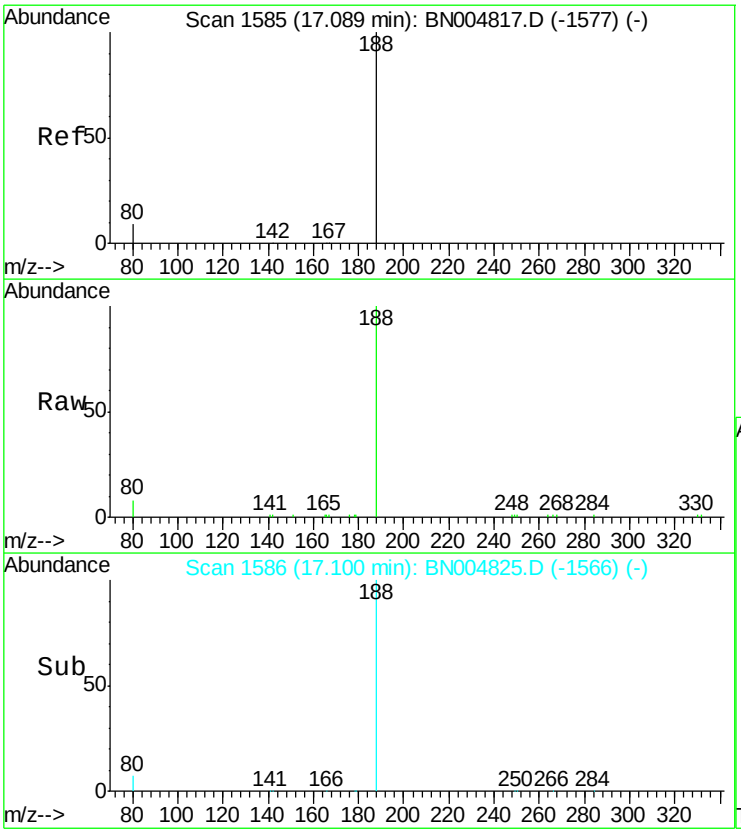

#18
Fluorene
Concen: 0.000 ng
RT: 15.40 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:166 Resp: 7

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 71.4 | 78.2 | 117.4# |
| 167 | 42.9 | 11.0 | 16.4# |

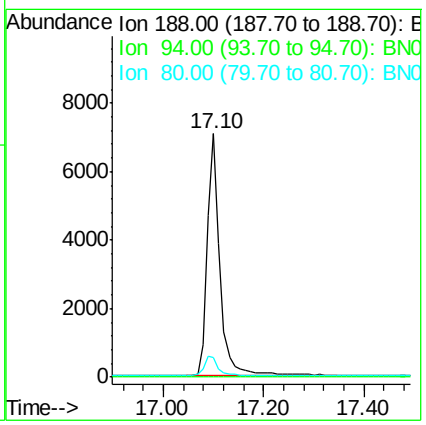


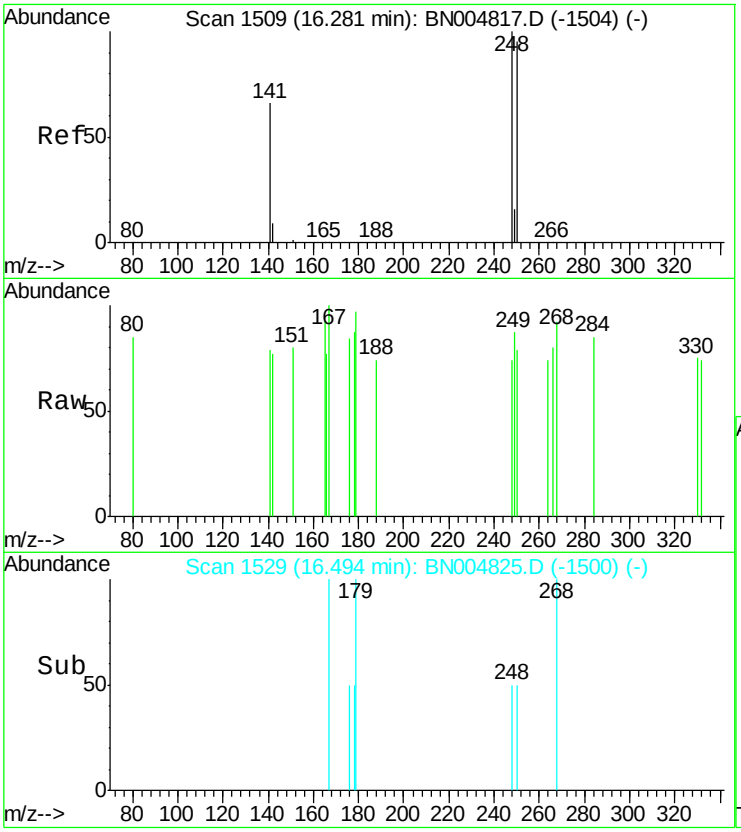




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.10 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:188 Resp: 12588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 7.9 | 7.4 | 11.2 |



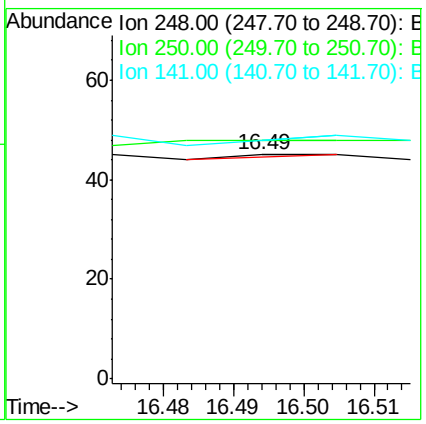


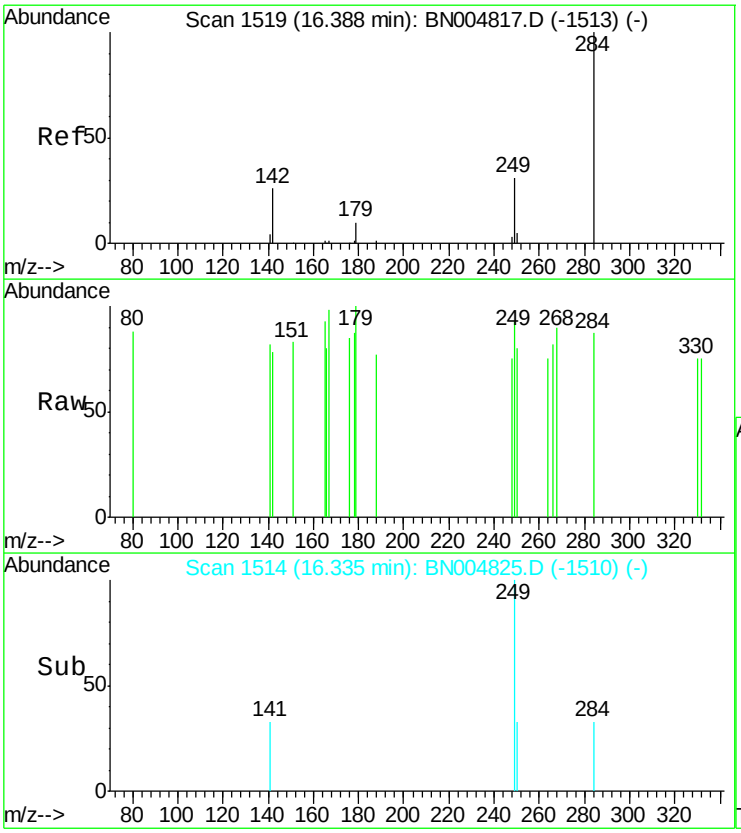

#20
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.49 min Scan# 1529
Delta R.T. 0.21 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:248 Resp: 1

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 106.7 | 76.2 | 114.4 |
| 141 | 106.7 | 53.9 | 80.9# |

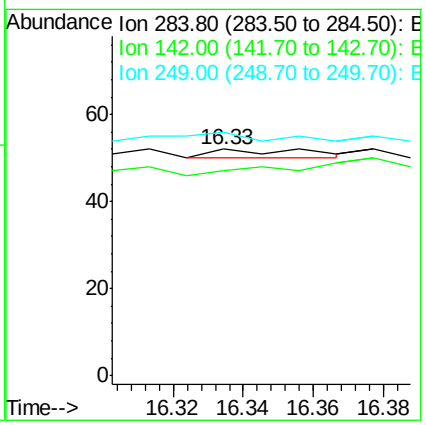


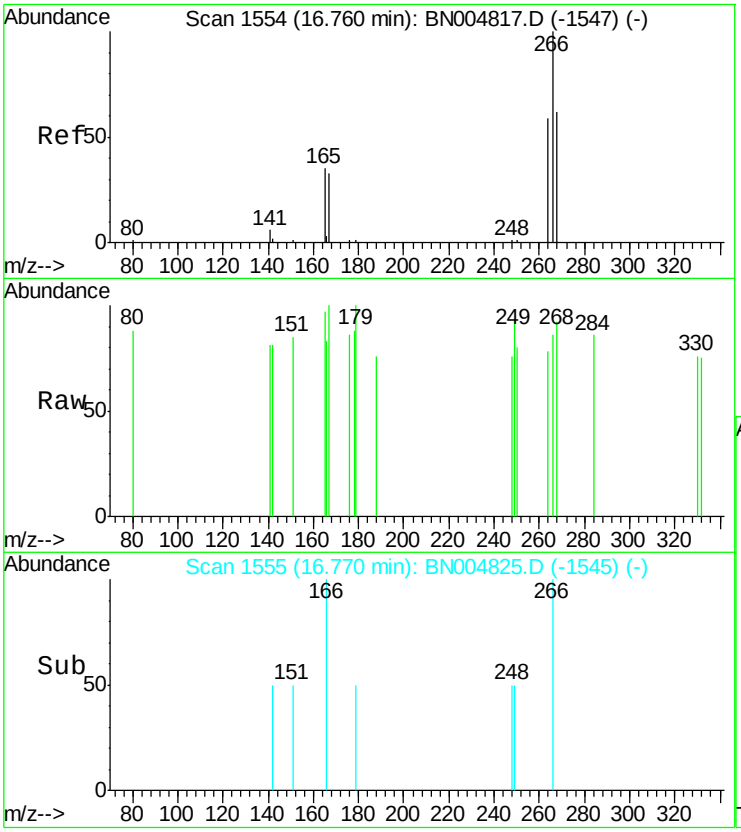




#21
Hexachlorobenzene
Concen: 0.000 ng
RT: 16.33 min Scan# 1514
Delta R.T. -0.05 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:284 Resp: 4

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 0.0 | 22.6 | 34.0# |
| 249 | 0.0 | 22.5 | 33.7# |



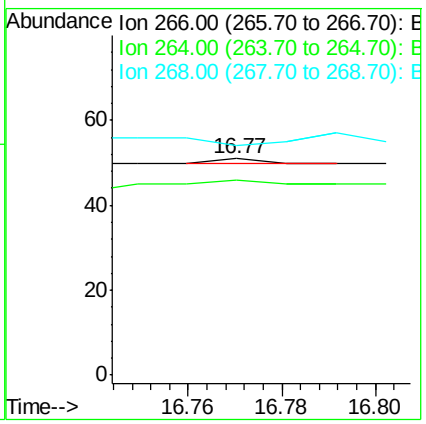


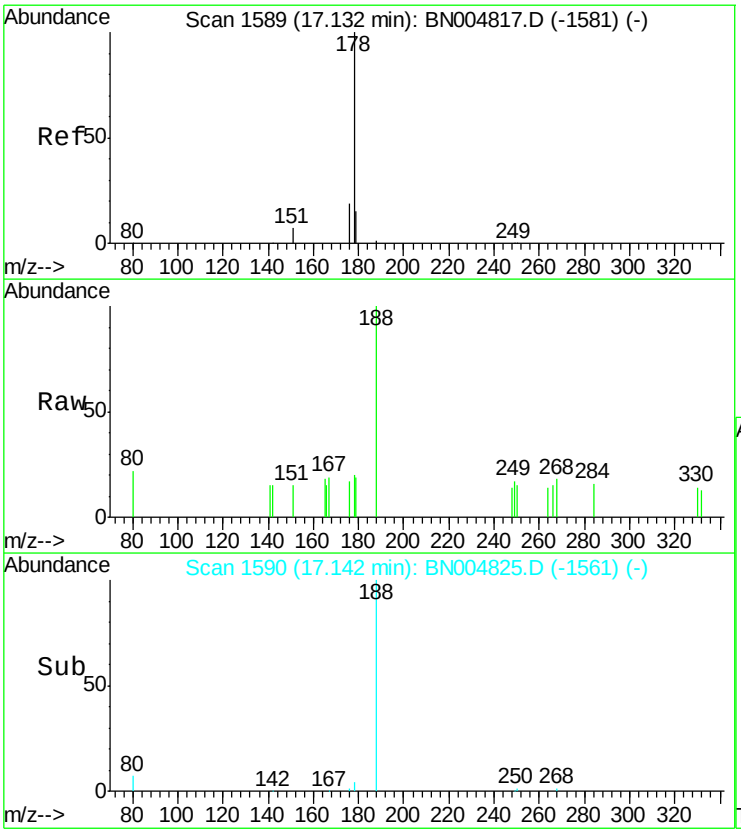

#22
Pentachlorophenol
Concen: 0.001 ng
RT: 16.77 min Scan# 1555
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:266 Resp: 1

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 90.2 | 53.1 | 79.7# |
| 268 | 105.9 | 57.7 | 86.5# |

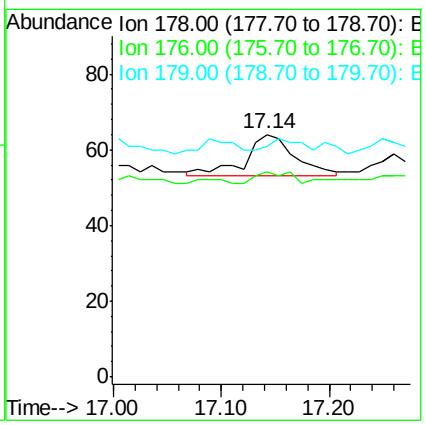


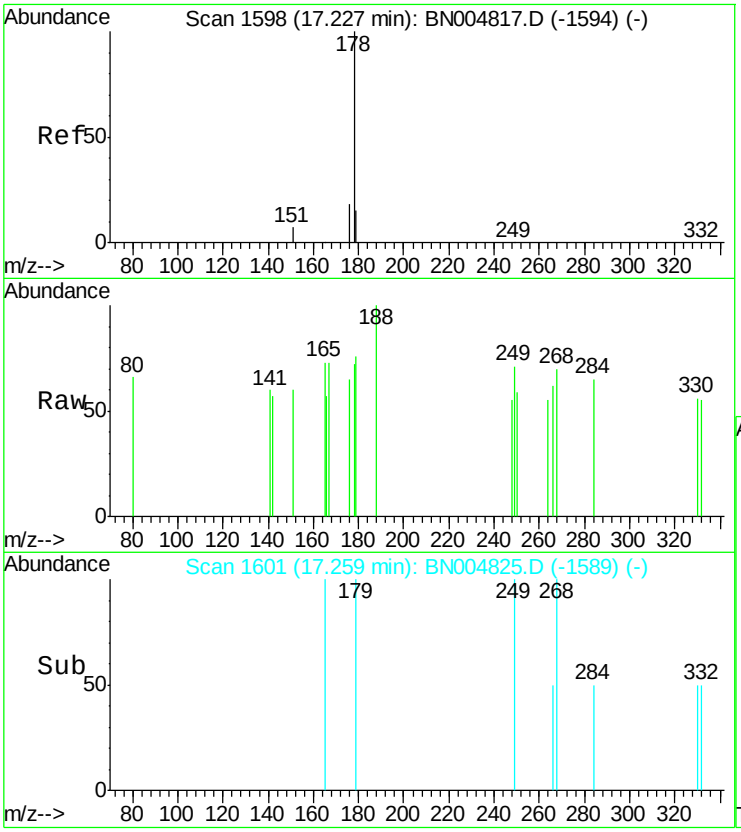




#23
Phenanthrene
Concen: 0.001 ng
RT: 17.14 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:178 Resp: 36

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 14.9 | 22.3 |
| 179 | 30.6 | 12.1 | 18.1# |



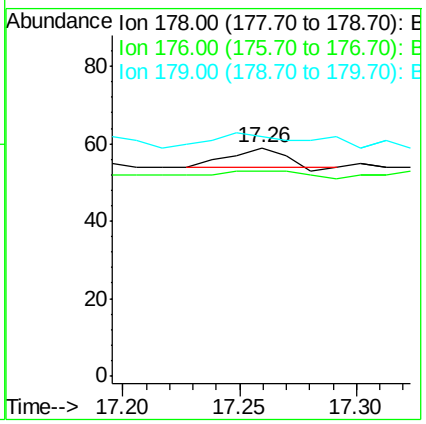


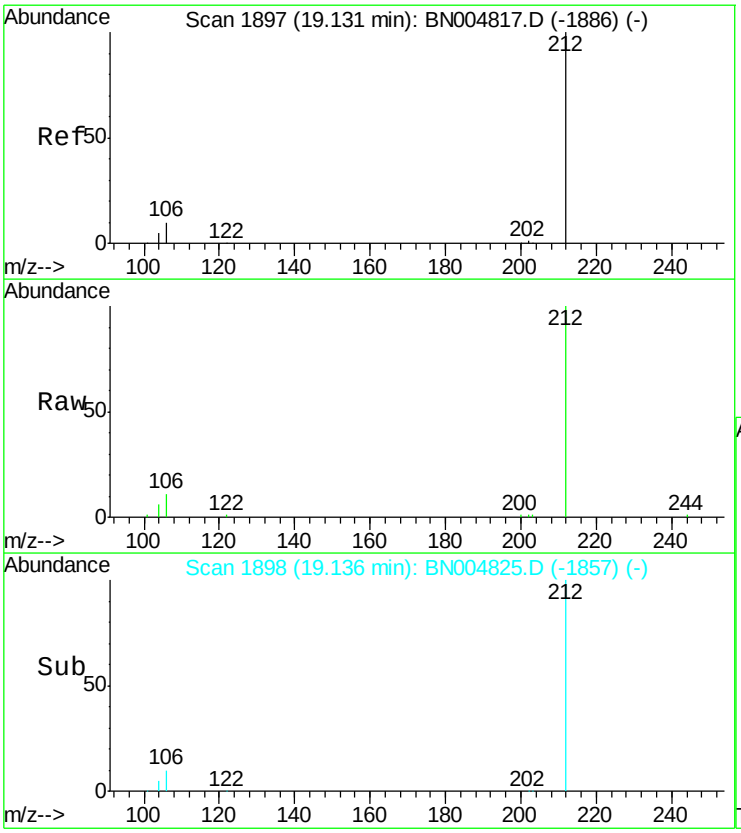

#24
Anthracene
Concen: 0.000 ng
RT: 17.26 min Scan# 1601
Delta R.T. 0.03 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:178 Resp: 8

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 50.0 | 14.5 | 21.7# |
| 179 | 150.0 | 12.2 | 18.4# |

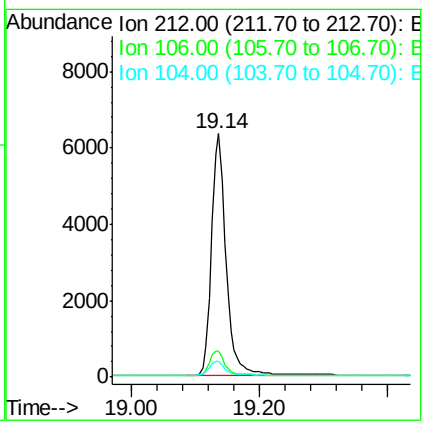


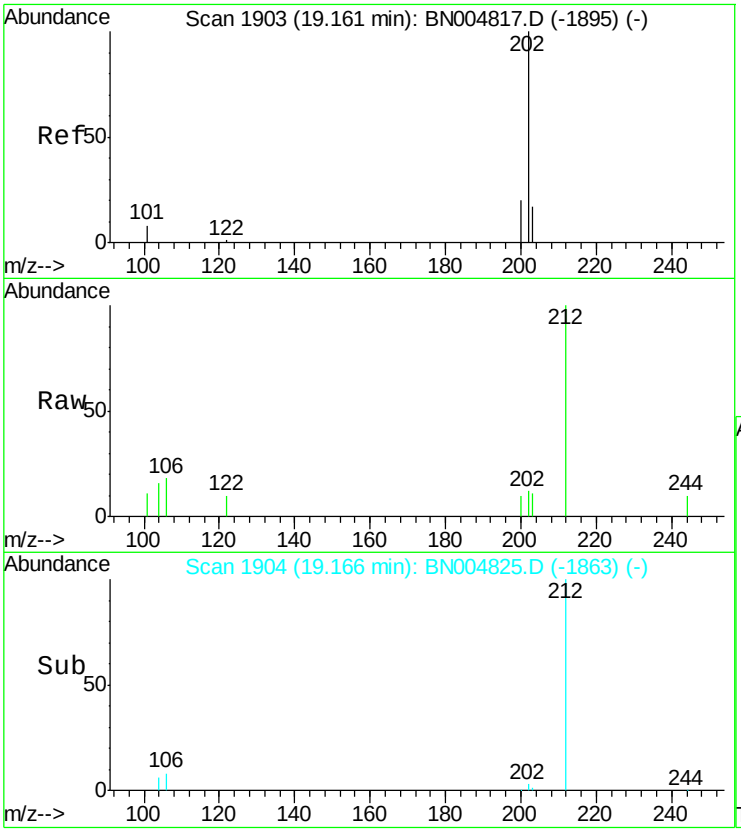




#25
Fluoranthene-d10
Concen: 0.239 ng
RT: 19.14 min Scan# 1898
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:212 Resp: 10064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 10.4 | 8.6 | 13.0 |
| 104 | 5.9 | 4.7 | 7.1 |



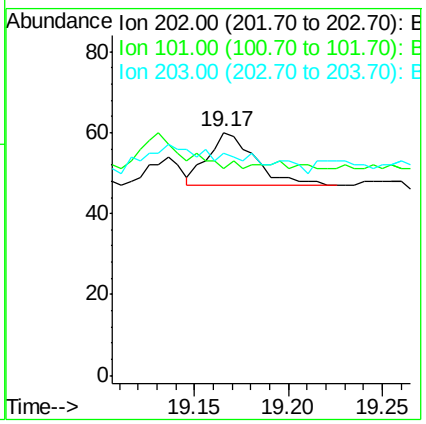


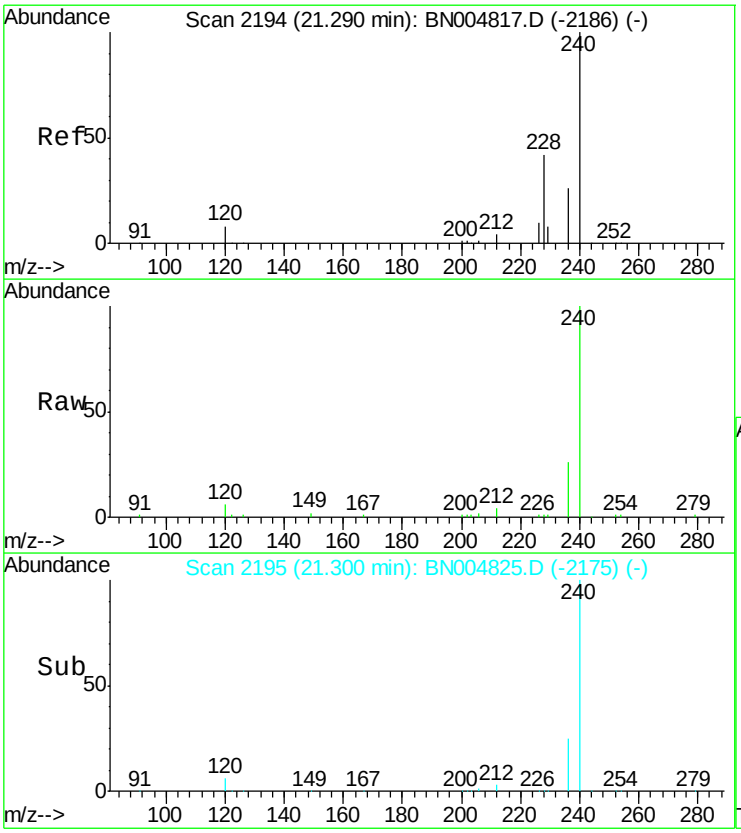

#26
Fluoranthene
Concen: 0.000 ng
RT: 19.17 min Scan# 1904
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:202 Resp: 23

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 7.5 | 11.3# |
| 203 | 0.0 | 13.8 | 20.6# |

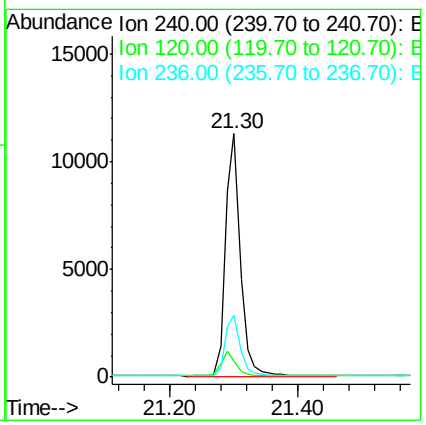


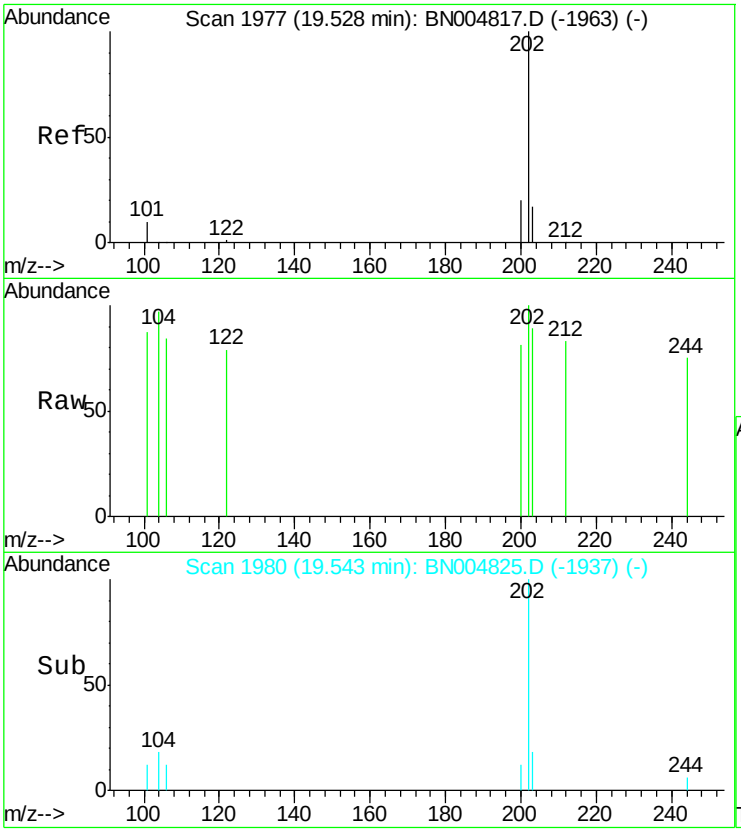




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.30 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:240 Resp: 18060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.4 | 7.2 | 10.8# |
| 236 | 25.5 | 20.9 | 31.3 |



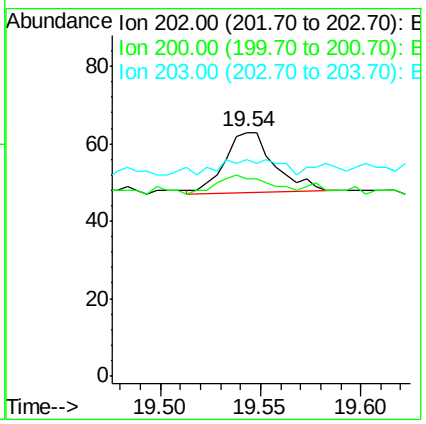


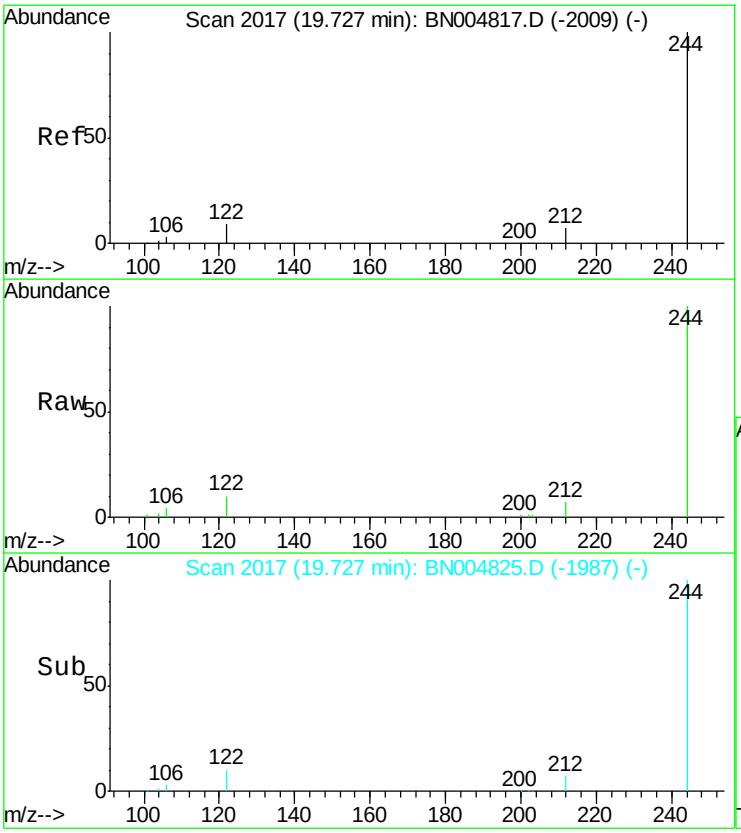

#28
Pyrene
Concen: 0.000 ng
RT: 19.54 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:202 Resp: 27

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 33.3 | 16.3 | 24.5# |
| 203 | 29.6 | 14.0 | 21.0# |

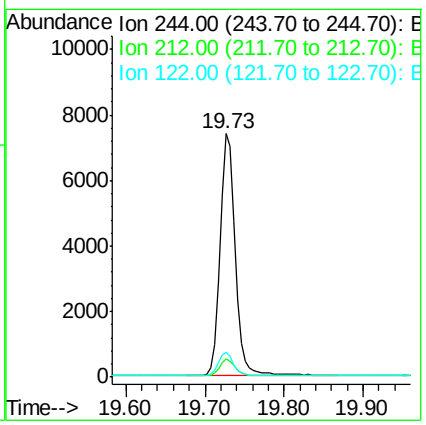


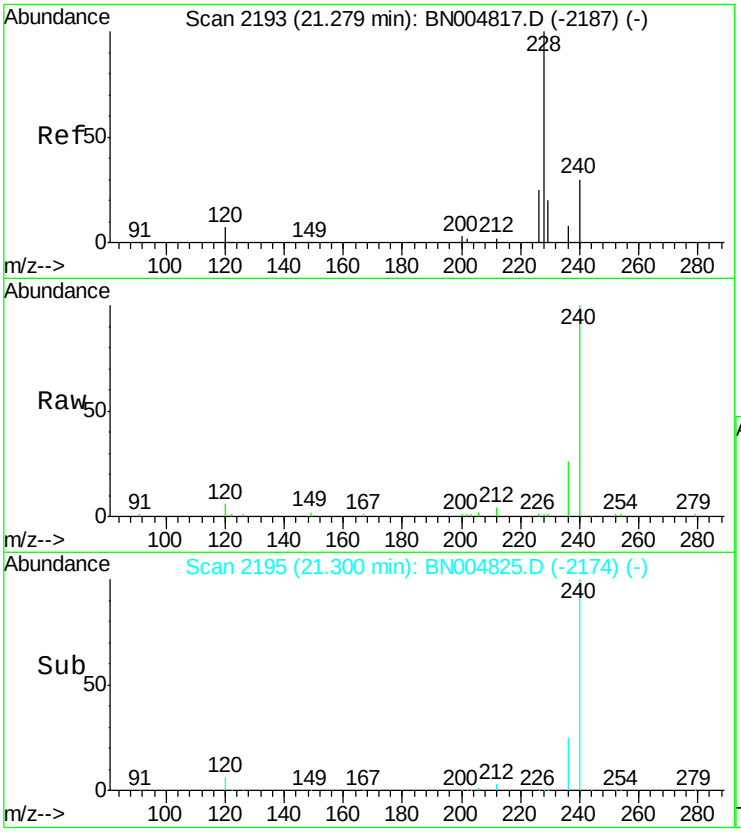




#29
Terphenyl-d14
Concen: 0.271 ng
RT: 19.73 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:244 Resp: 10015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 5.8 | 8.6 |
| 122 | 10.2 | 7.9 | 11.9 |



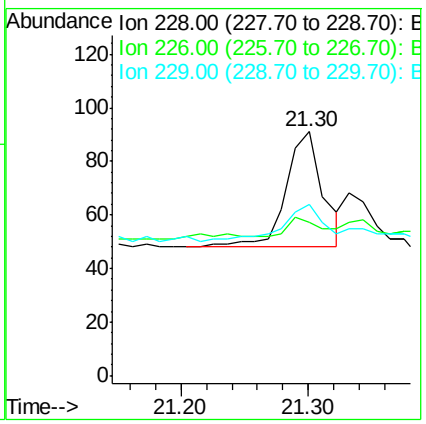


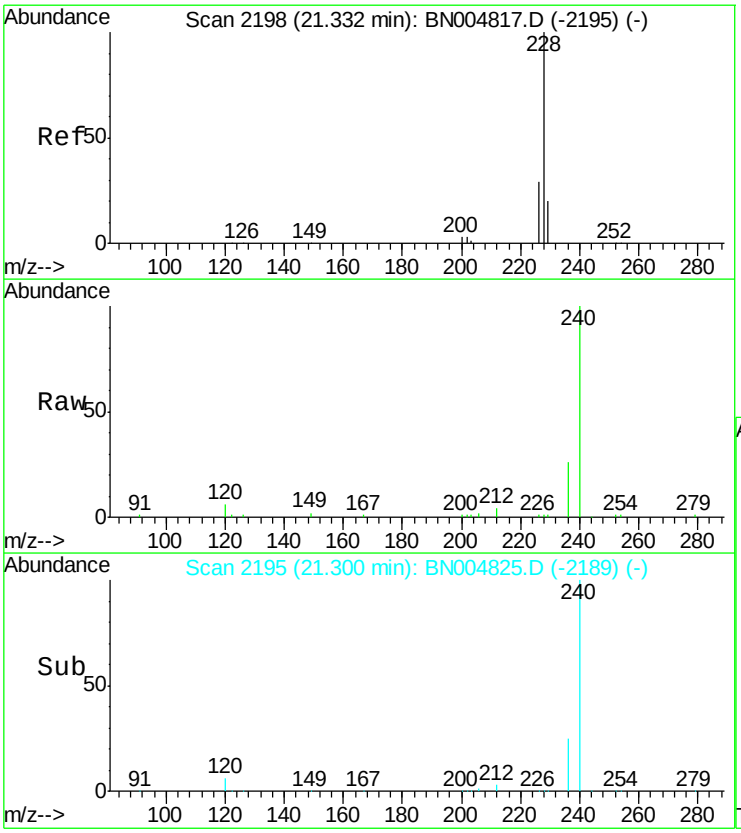

#30
Benzo(a)anthracene
Concen: 0.001 ng
RT: 21.30 min Scan# 2195
Delta R.T. 0.02 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:228 Resp: 86

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 62.6 | 20.6 | 31.0# |
| 229 | 70.3 | 16.2 | 24.4# |

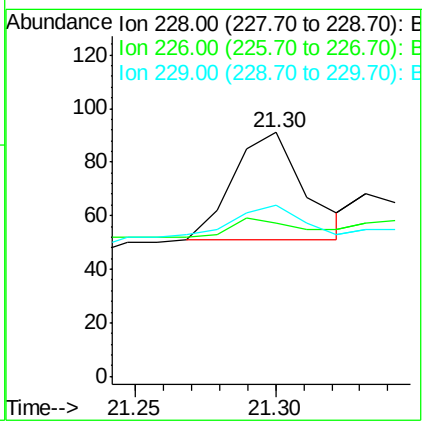


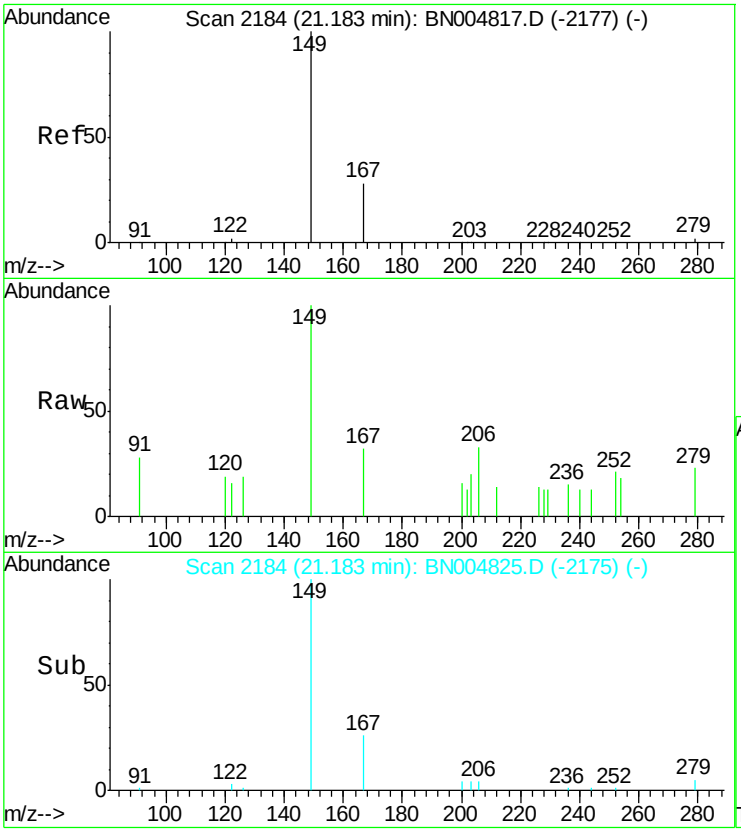




#31
Chrysene
Concen: 0.001 ng
RT: 21.30 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:228 Resp: 71

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 62.6 | 23.0 | 34.6# |
| 229 | 70.3 | 16.2 | 24.2# |



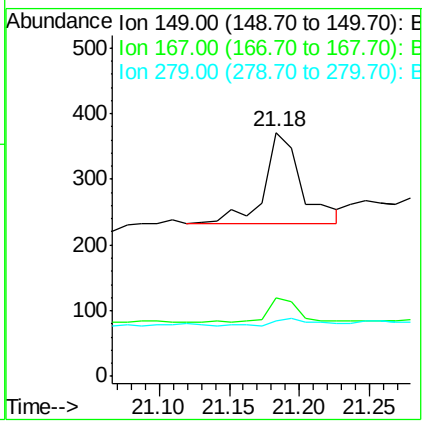


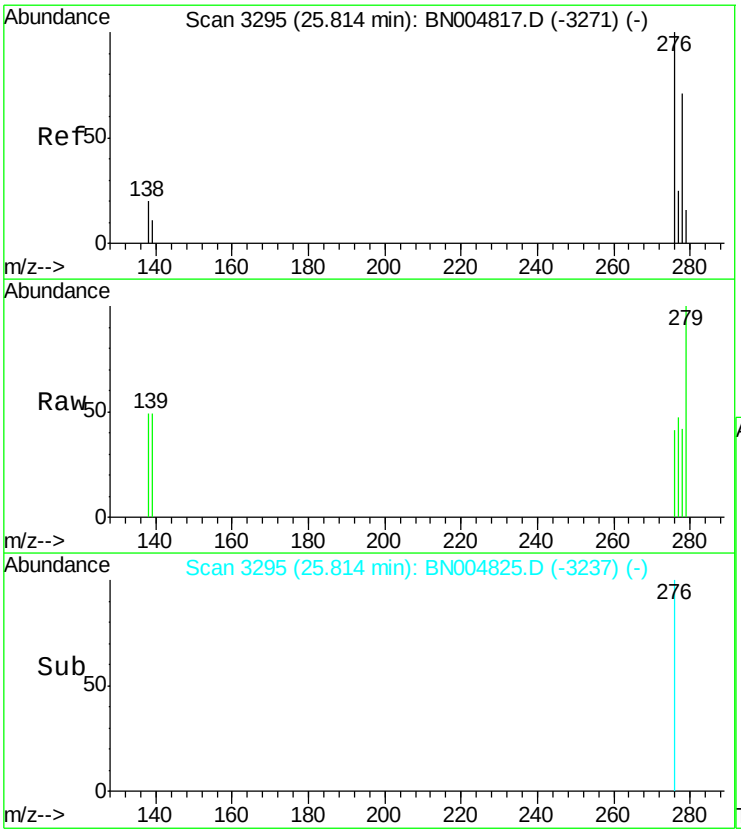

#32
Bis(2-ethylhexyl)phthalate
Concen: 0.011 ng
RT: 21.18 min Scan# 2184
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:149 Resp: 256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 21.9 | 23.0 | 34.4# |
| 279 | 10.9 | 4.6 | 6.8# |

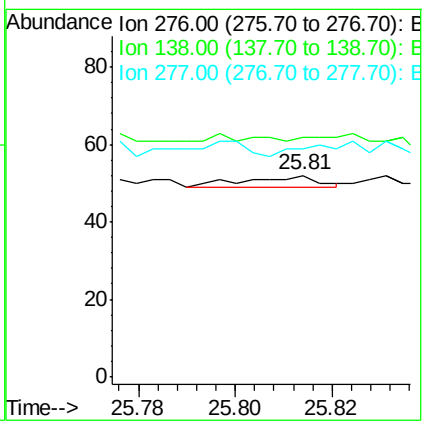


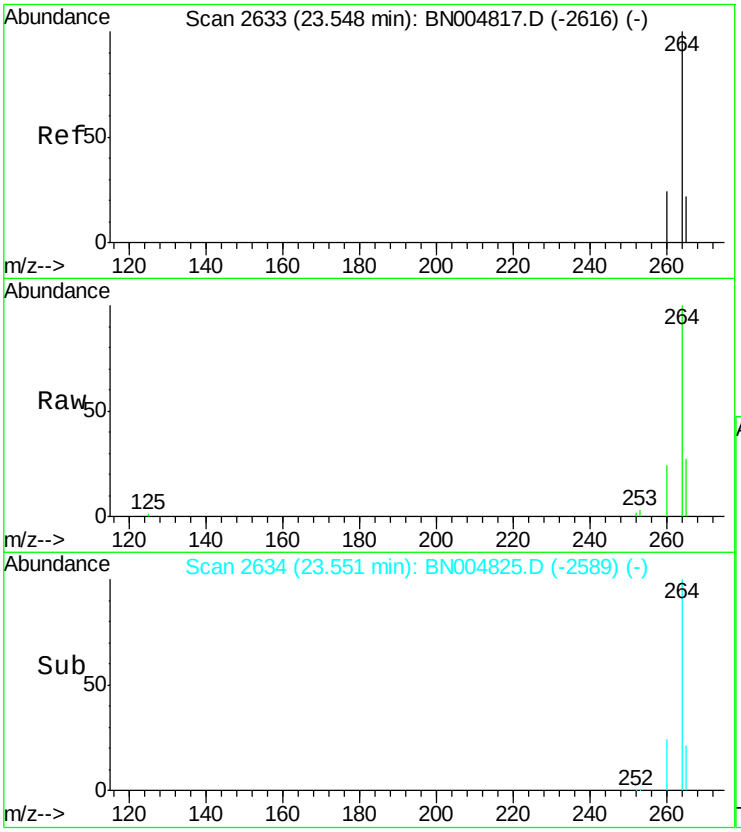




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.000 ng
RT: 25.81 min Scan# 3295
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:276 Resp: 3

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 0.0 | 16.6 | 24.8# |
| 277 | 66.7 | 20.3 | 30.5# |



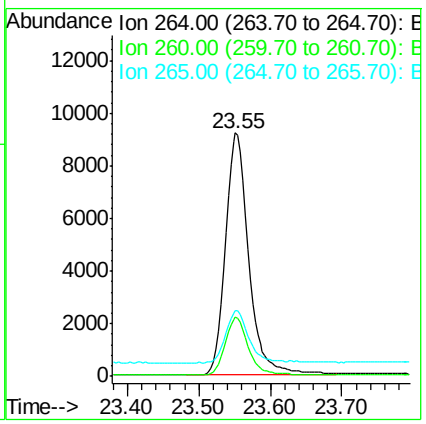


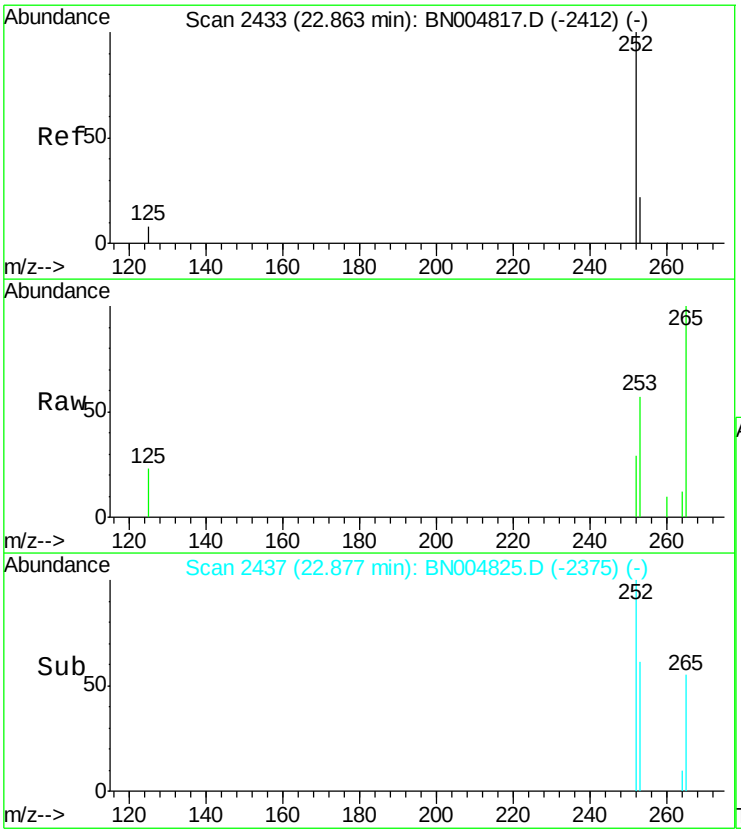

#34
Perylene-d12
Concen: 0.400 ng
RT: 23.55 min Scan# 2634
Delta R.T. 0.00 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:264 Resp: 20927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.5 | 29.3 |
| 265 | 26.7 | 23.1 | 34.7 |

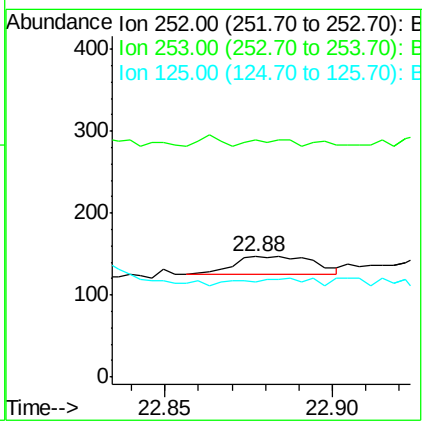


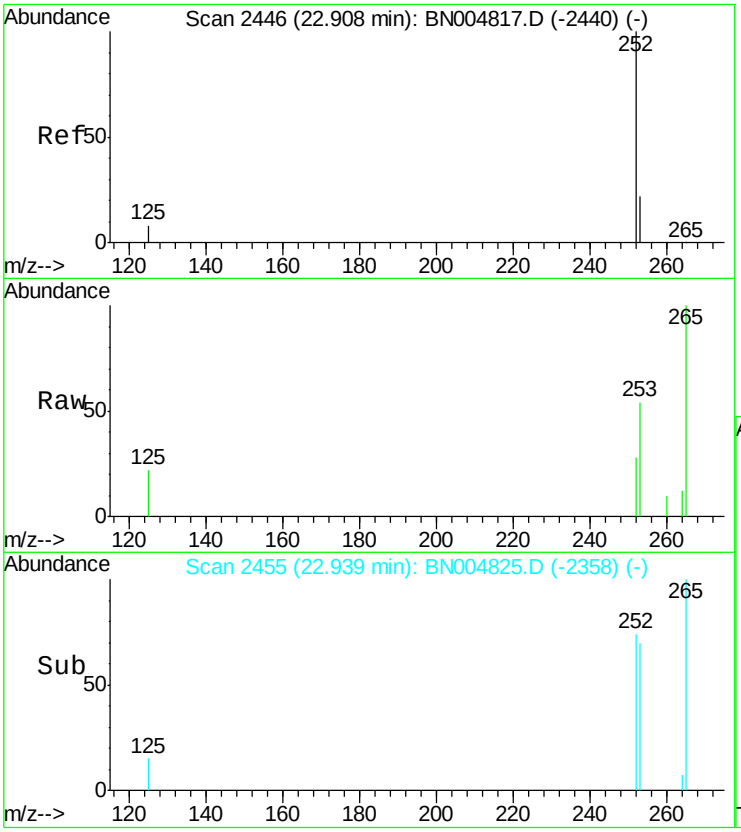




#35
Benzo(b)fluoranthene
Concen: 0.000 ng
RT: 22.88 min Scan# 2437
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:252 Resp: 37

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 196.6 | 19.0 | 28.4# |
| 125 | 78.9 | 7.4 | 11.2# |



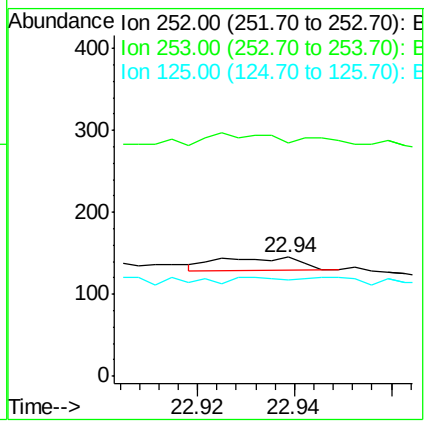


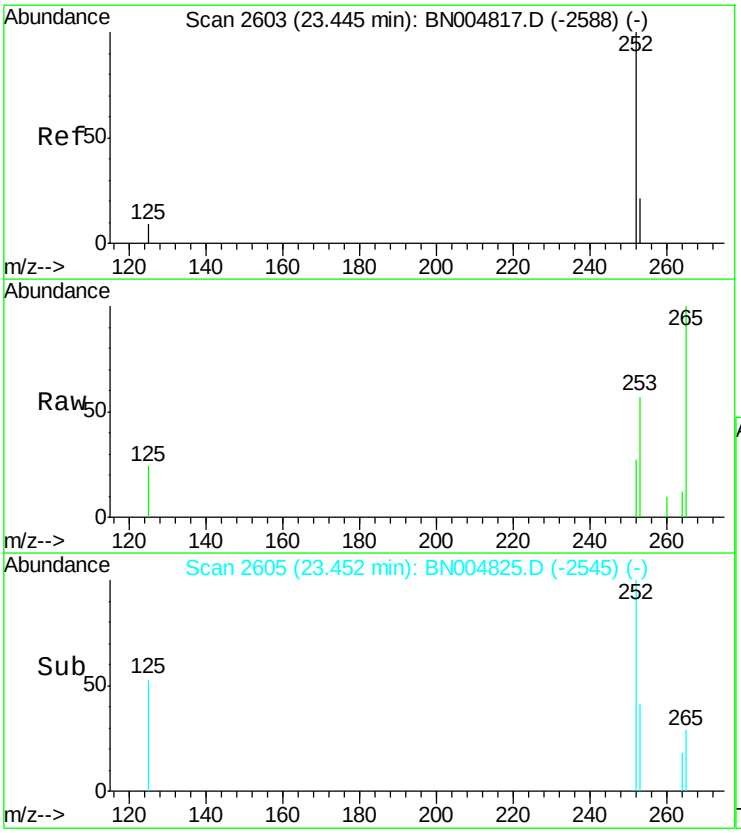

#36
Benzo(k)fluoranthene
Concen: 0.000 ng
RT: 22.94 min Scan# 2455
Delta R.T. 0.03 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:252 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 196.6 | 19.3 | 28.9# |
| 125 | 80.7 | 7.4 | 11.0# |

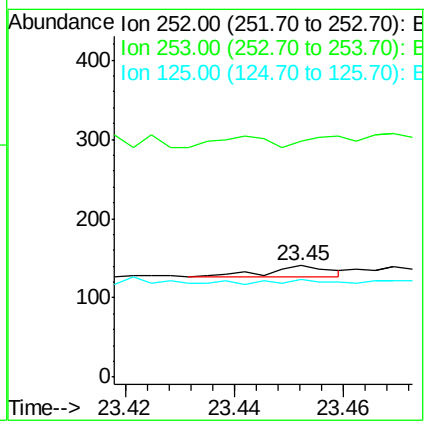


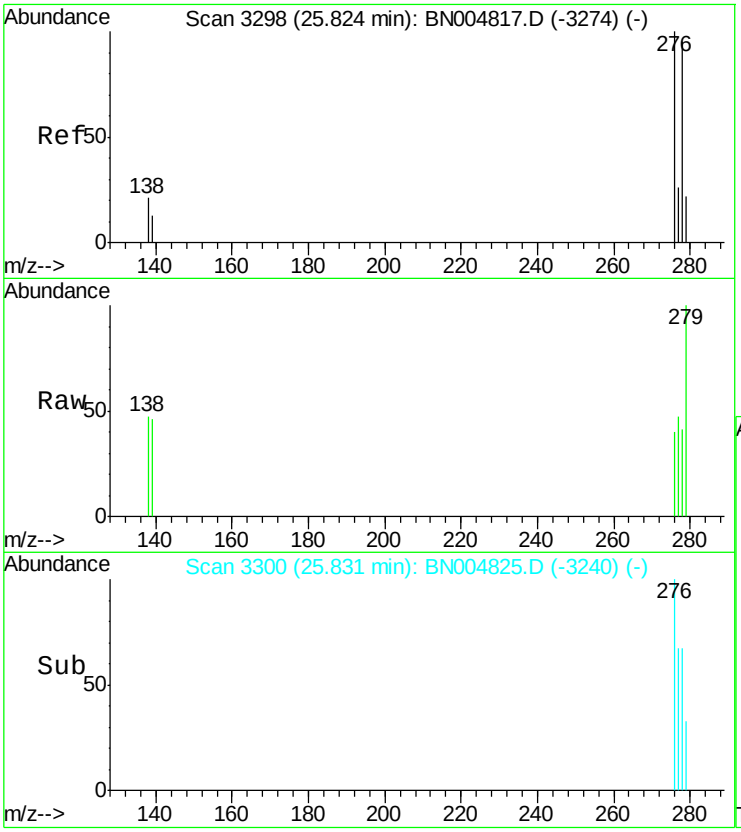




#37
Benzo(a)pyrene
Concen: 0.000 ng
RT: 23.45 min Scan# 2605
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:252 Resp: 11

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 210.6 | 19.7 | 29.5# |
| 125 | 87.9 | 8.3 | 12.5# |



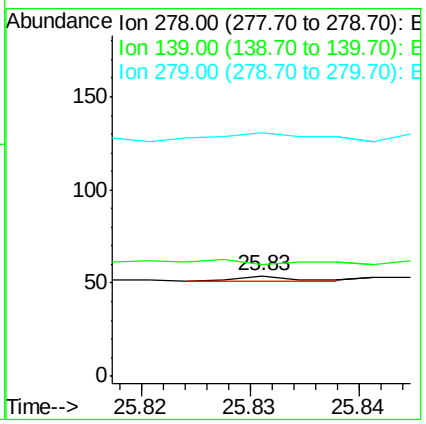


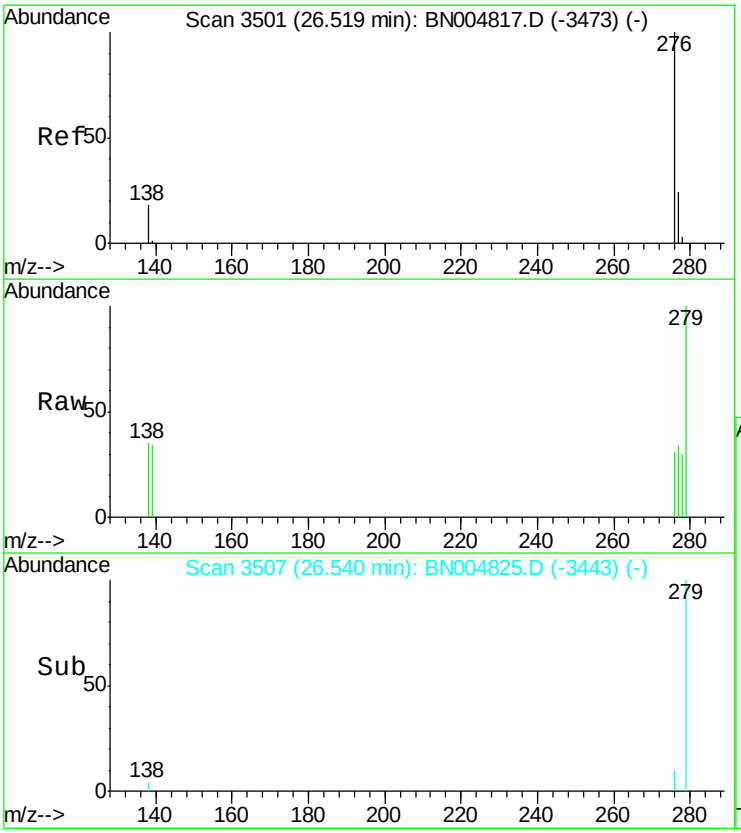

#38
Dibenzo(a,h)anthracene
Concen: 0.000 ng
RT: 25.83 min Scan# 3300
Delta R.T. 0.01 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

**Instrument :**
BNA_N
**ClientSampleId :**
PB117833BL

Tgt Ion:278 Resp: 1

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 111.1 | 11.7 | 17.5# |
| 279 | 242.6 | 19.9 | 29.9# |




#39
Benzo(g,h,i)perylene
Concen: 0.000 ng
RT: 26.54 min Scan# 3507
Delta R.T. 0.02 min
Lab File: BN004825.D
Acq: 20 Mar 2019 18:44

Tgt Ion:276 Resp: 4

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 109.1 | 19.7 | 29.5# |
| 138 | 114.5 | 14.6 | 22.0# |