Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM042419\
Data File : BM020066.D
Acq On : 24 Apr 2019 16:03
Operator : JU/SJ
Sample : PB119063BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :**

Quant Time: Apr 25 01:47:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 19 00:56:08 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.49 | 152 | 108715 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.27 | 136 | 339777 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.16 | 164 | 213645 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 16.93 | 188 | 437941 | 20.00 | ng | -0.01 |
| 76) Chrysene-d12 | 21.15 | 240 | 382256 | 20.00 | ng | -0.01 |
| 87) Perylene-d12 | 23.33 | 264 | 417706 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.10 | 112 | 816883 | 121.78 | ng | -0.03 |
| 7) Phenol-d6 | 6.68 | 99 | 1062267 | 105.22 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.66 | 82 | 652307 | 85.86 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.67 | 330 | 350619 | 101.95 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.76 | 172 | 1393474 | 81.28 | ng | -0.03 |
| 79) Terphenyl-d14 | 19.57 | 244 | 1991837 | 91.91 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.08 | 88 | 185 | 0.064 | ng | # 1 |
| 4) n-Nitrosodimethylamine | 3.41 | 42 | 224 | 0.086 | ng | # 1 |
| 9) Benzaldehyde | 6.68 | 77 | 2332 | Below Cal | | # 7 |
| 15) Benzyl Alcohol | 7.79 | 79 | 14093 | 1.536 | ng | # 51 |
| 24) Nitrobenzene | 8.67 | 77 | 2330 | 0.296 | ng | # 42 |
| 25) Isophorone | 9.26 | 82 | 332 | 0.022 | ng | # 69 |
| 46) 1,1'-Biphenyl | 13.02 | 154 | 1125 | 0.061 | ng | # 42 |
| 52) Acenaphthene | 14.17 | 154 | 499 | 0.037 | ng | # 4 |
| 74) Di-n-butylphthalate | 17.92 | 149 | 117 | 0.004 | ng | # 78 |
| 75) Fluoranthene | 19.06 | 202 | 107 | 0.004 | ng | 64 |
| 78) Pyrene | 19.40 | 202 | 107 | 0.004 | ng | # 57 |
| 80) Butylbenzylphthalate | 20.29 | 149 | 111 | 0.009 | ng | # 19 |
| 81) Benzo(a)anthracene | 21.15 | 228 | 1567 | 0.065 | ng | # 51 |
| 82) 3,3'-Dichlorobenzidine | 21.15 | 252 | 107 | 0.012 | ng | # 1 |
| 83) Chrysene | 21.20 | 228 | 1480 | 0.064 | ng | # 50 |
| 84) Bis(2-ethylhexyl)phthalate | 21.06 | 149 | 1709 | 0.094 | ng | # 55 |
| 85) Di-n-octyl phthalate | 21.92 | 149 | 771 | 0.026 | ng | # 63 |
| 88) Benzo(b)fluoranthene | 22.67 | 252 | 124 | 0.004 | ng | # 1 |
| 89) Benzo(k)fluoranthene | 22.71 | 252 | 623 | 0.024 | ng | # 1 |
| 90) Benzo(a)pyrene | 23.23 | 252 | 110 | 0.004 | ng | # 1 |

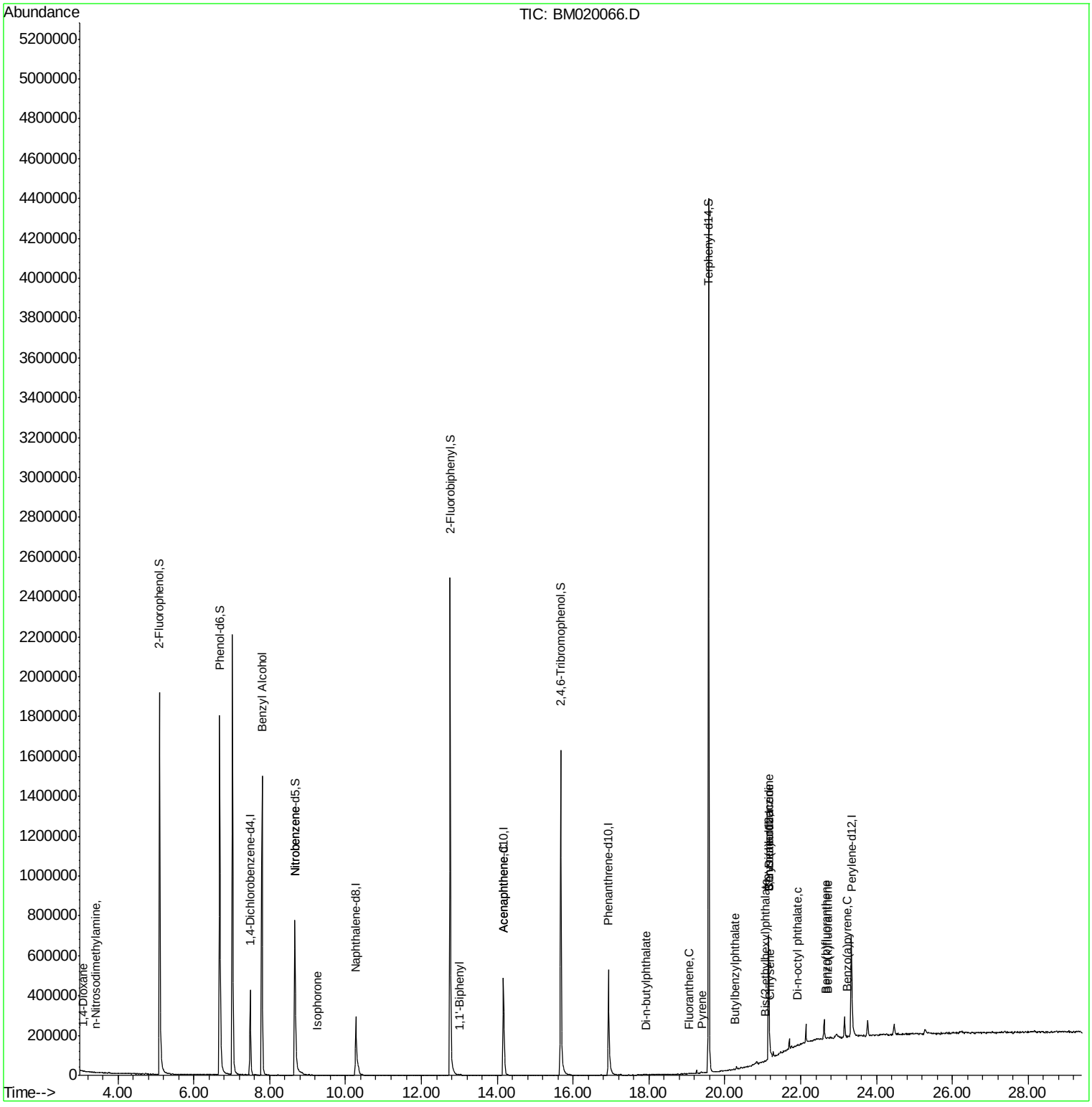
(#) = qualifier out of range (m) = manual integration (+) = signals summed

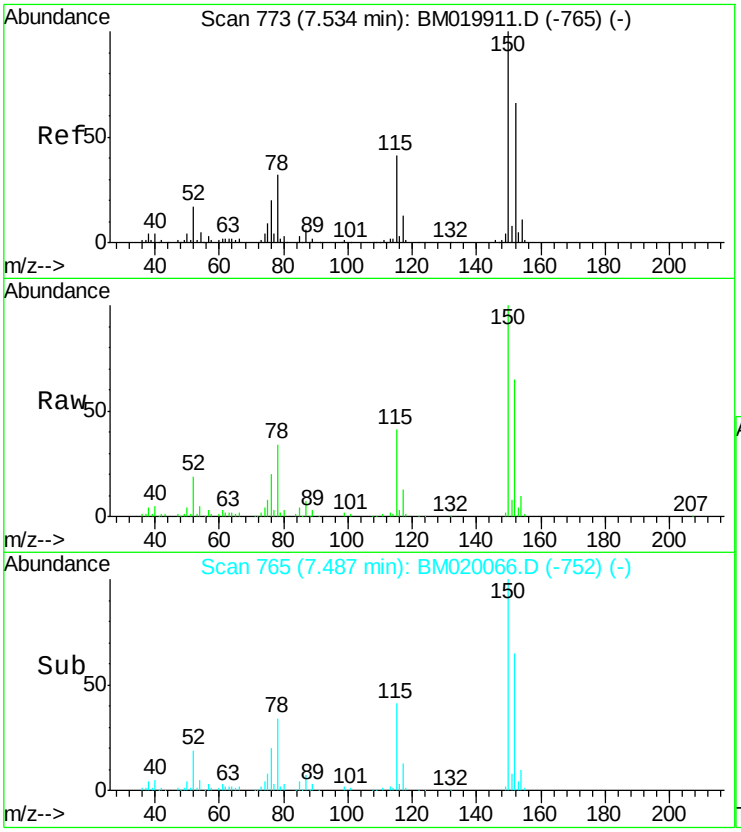
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM042419\
Data File : BM020066.D
Acq On : 24 Apr 2019 16:03
Operator : JU/SJ
Sample : PB119063BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**

Quant Time: Apr 25 01:47:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 19 00:56:08 2019
Response via : Initial Calibration



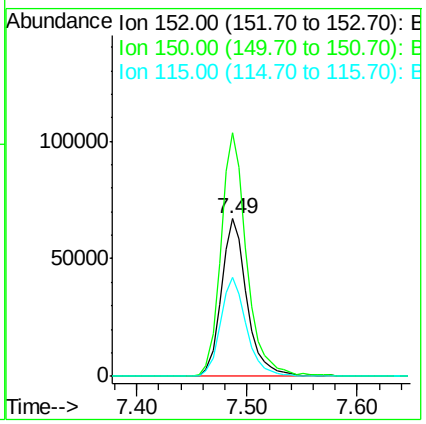


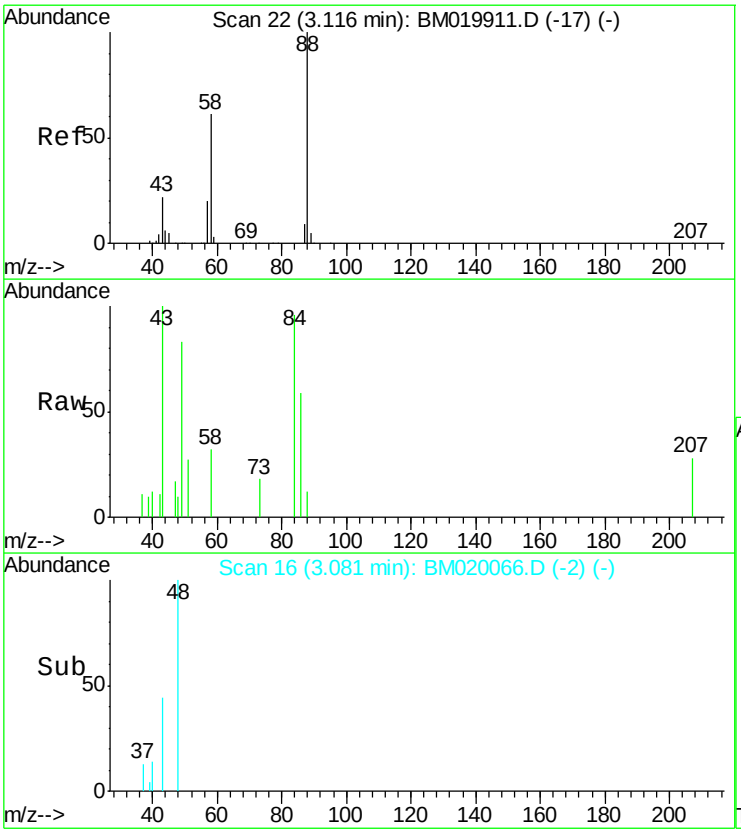

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 765
Delta R.T. -0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:152 Resp: 108715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.5 | 122.1 | 183.1 |
| 115 | 62.8 | 50.0 | 75.0 |

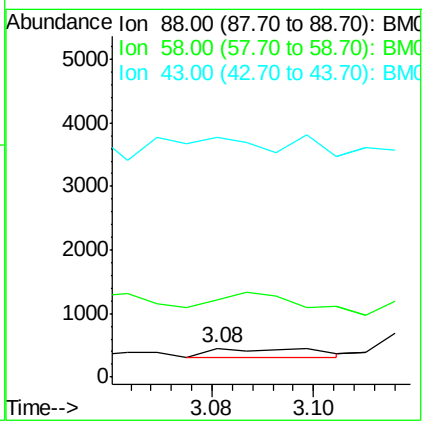


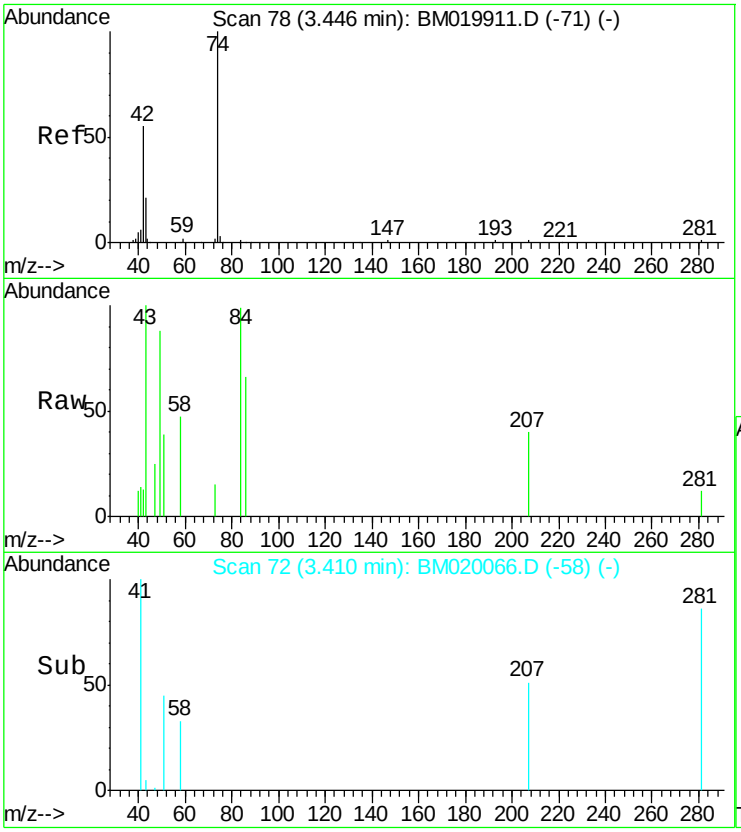




#2
1,4-Dioxane
Concen: 0.064 ng
RT: 3.08 min Scan# 16
Delta R.T. -0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion: 88 Resp: 185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 225.4 | 49.6 | 74.4# |
| 43 | 0.0 | 18.6 | 27.8# |



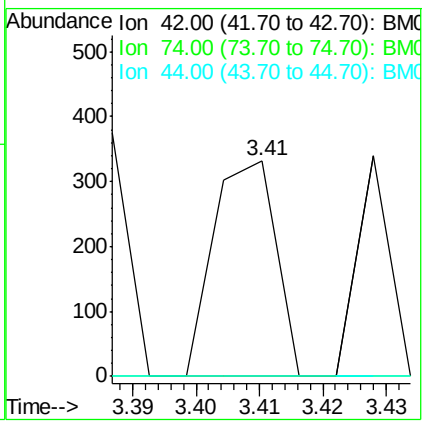


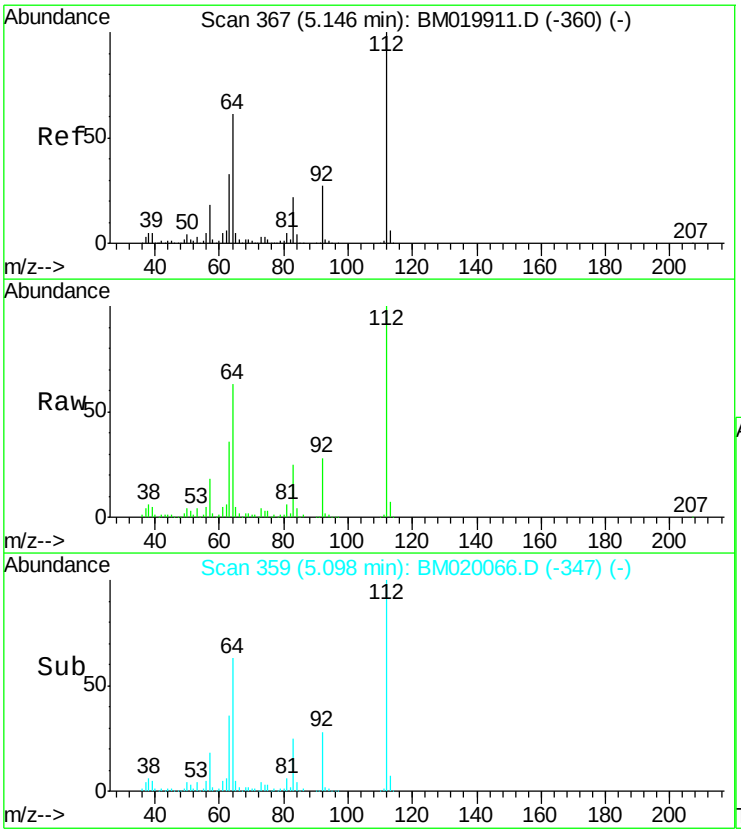

#4
n-Nitrosodimethylamine
Concen: 0.086 ng
RT: 3.41 min Scan# 72
Delta R.T. -0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion: 42 Resp: 224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 144.6 | 217.0# |
| 44 | 0.0 | 5.4 | 8.2# |

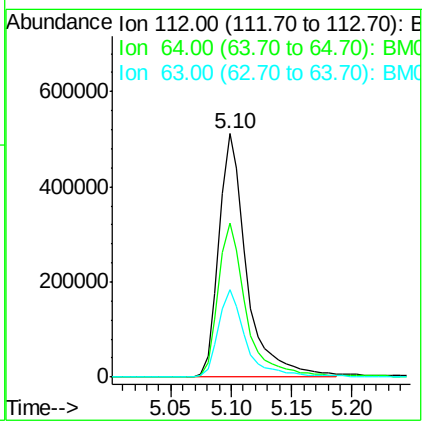


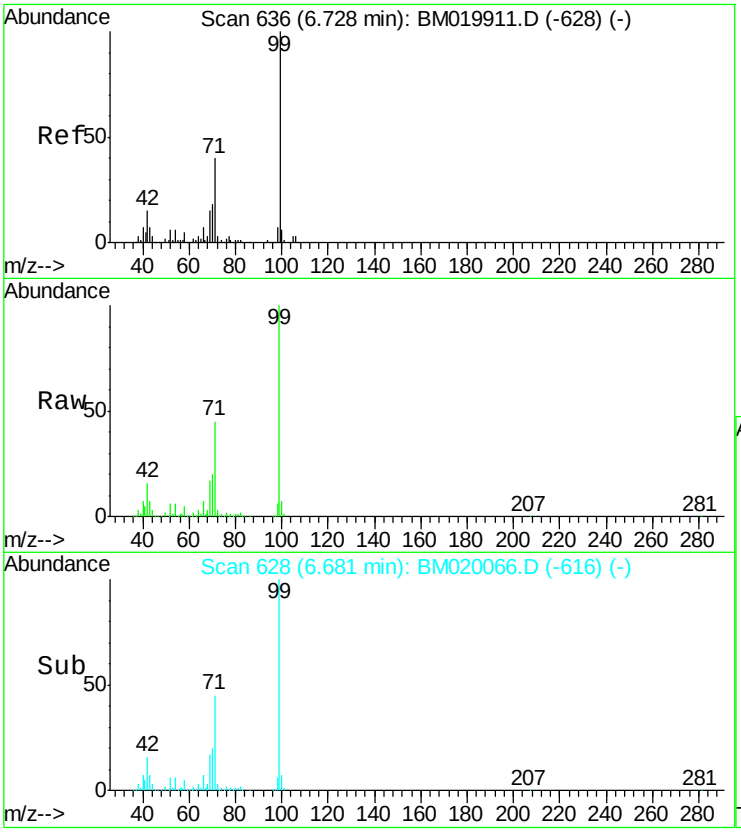




#5
2-Fluorophenol
Concen: 121.775 ng
RT: 5.10 min Scan# 359
Delta R.T. -0.03 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:112 Resp: 816883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.3 | 49.1 | 73.7 |
| 63 | 36.1 | 26.5 | 39.7 |



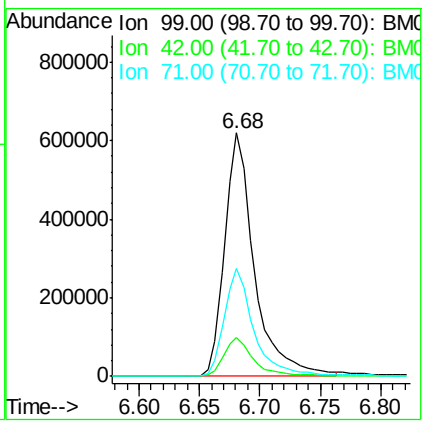


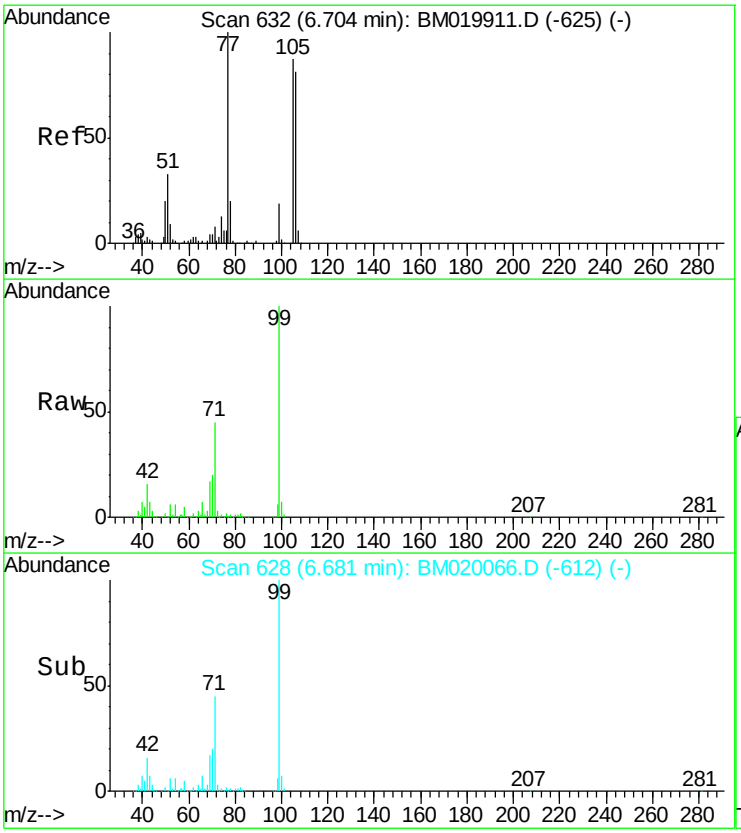

#7
Phenol-d6
Concen: 105.221 ng
RT: 6.68 min Scan# 628
Delta R.T. -0.03 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion: 99 Resp: 1062267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.8 | 11.8 | 17.8 |
| 71 | 44.5 | 32.0 | 48.0 |

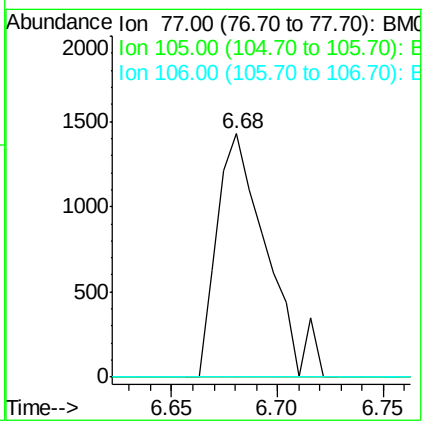


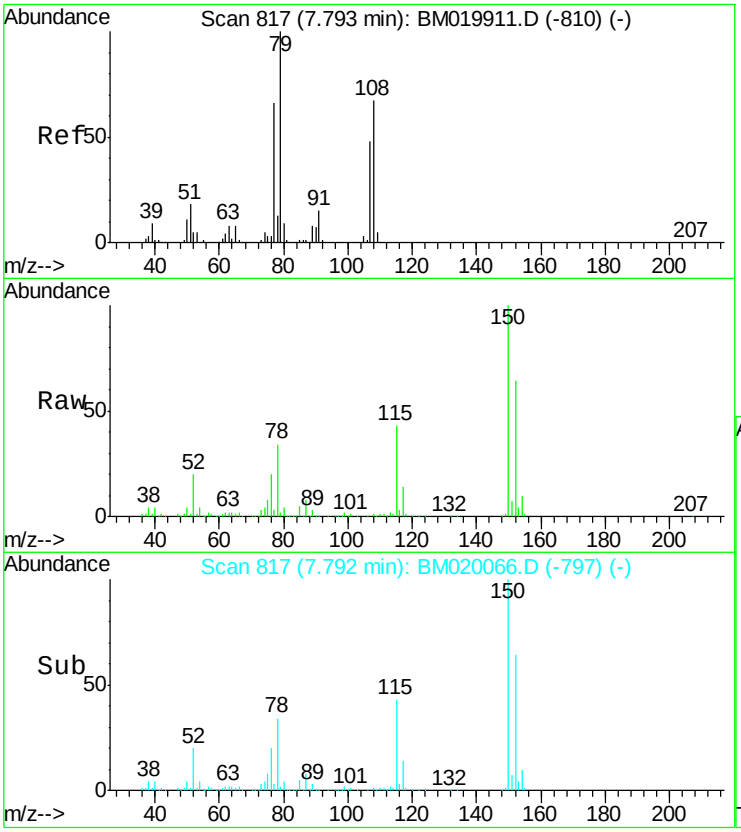




#9
Benzaldehyde
Concen: Below Cal
RT: 6.68 min Scan# 628
Delta R.T. -0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion: 77 Resp: 2332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 67.3 | 107.3# |
| 106 | 0.0 | 60.6 | 100.6# |



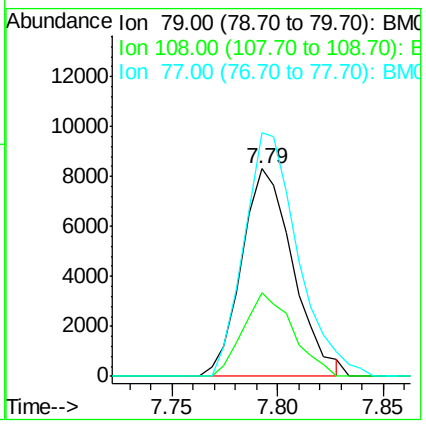


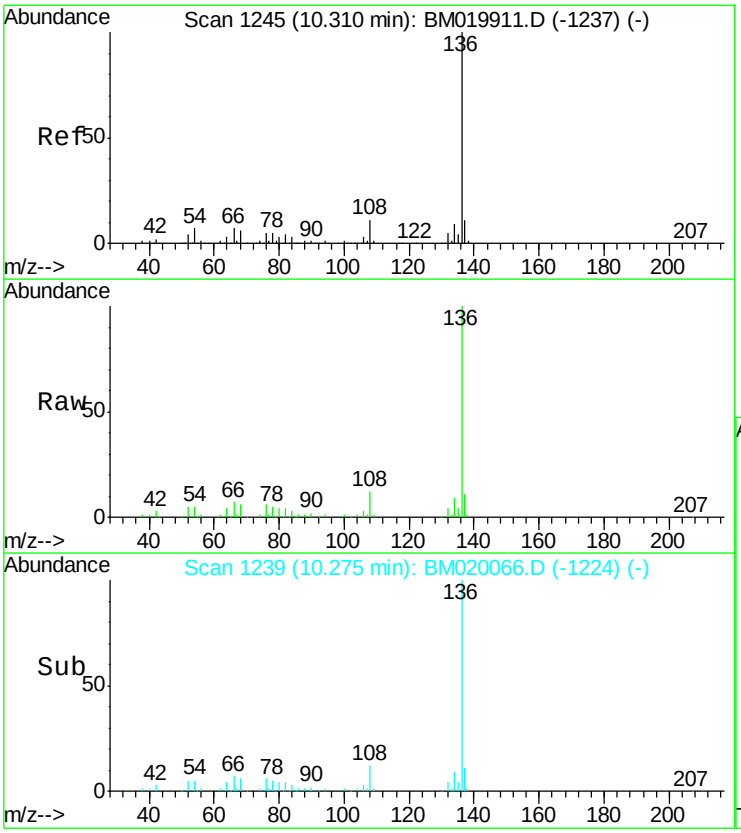

#15
Benzyl Alcohol
Concen: 1.536 ng
RT: 7.79 min Scan# 817
Delta R.T. 0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion: 79 Resp: 14093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 40.4 | 53.9 | 80.9# |
| 77 | 117.5 | 53.1 | 79.7# |

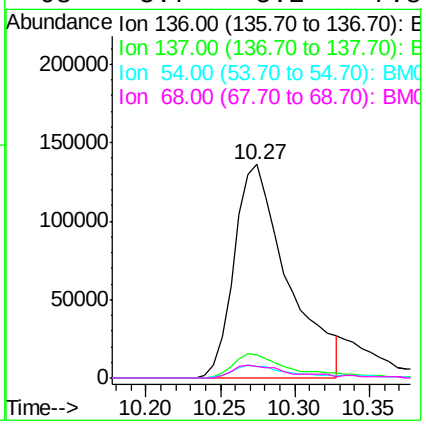


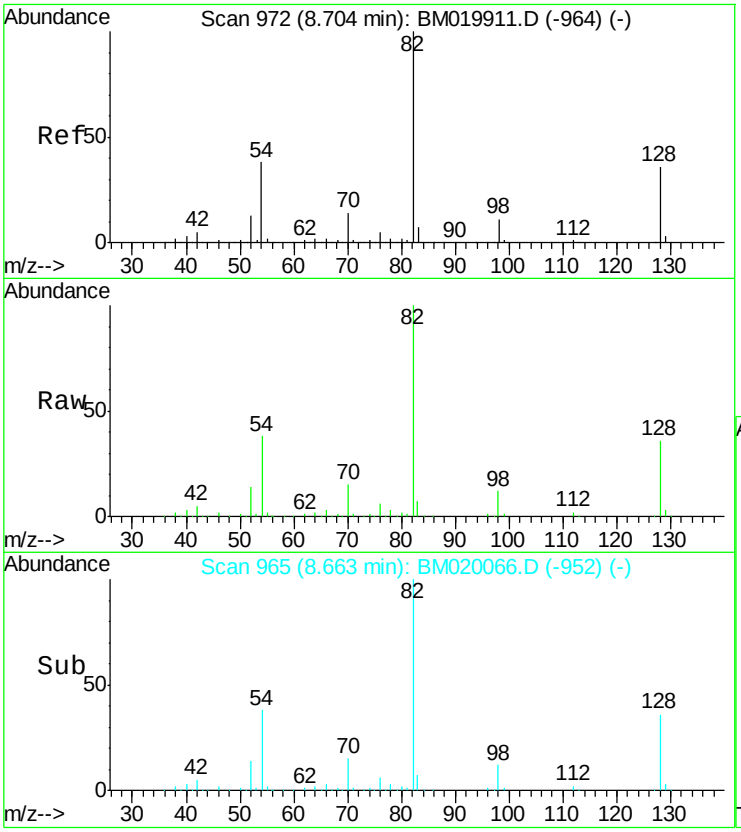




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.27 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:136 Resp: 339777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.0 | 13.6 |
| 54 | 5.4 | 5.3 | 7.9 |
| 68 | 5.7 | 5.2 | 7.8 |



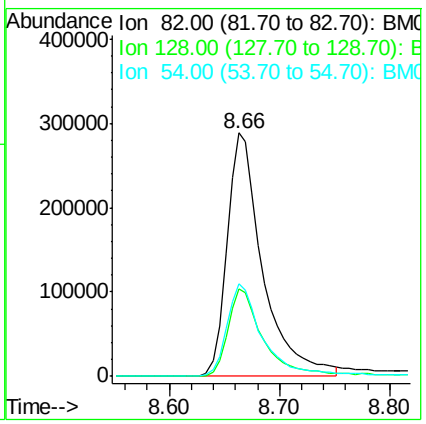


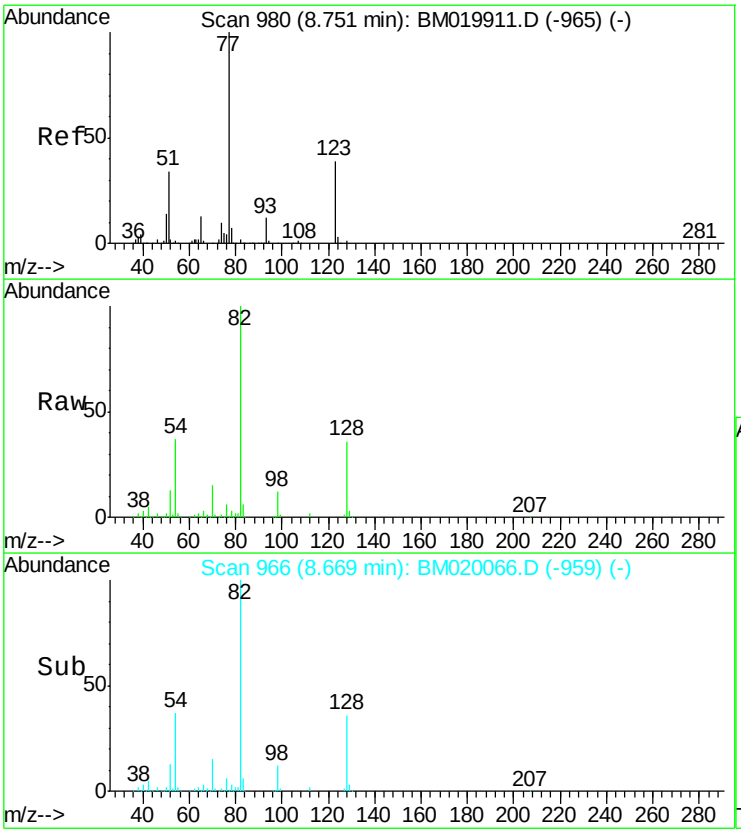

#23
Nitrobenzene-d5
Concen: 85.856 ng
RT: 8.66 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion: 82 Resp: 652307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.7 | 29.0 | 43.4 |
| 54 | 37.9 | 30.2 | 45.4 |

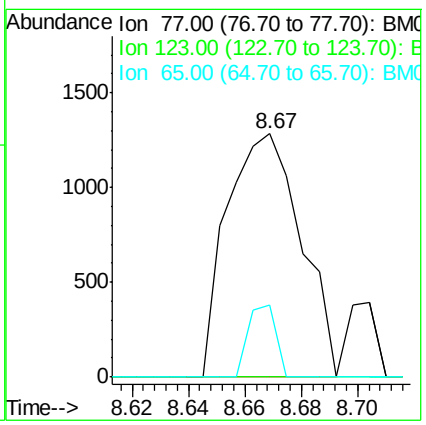


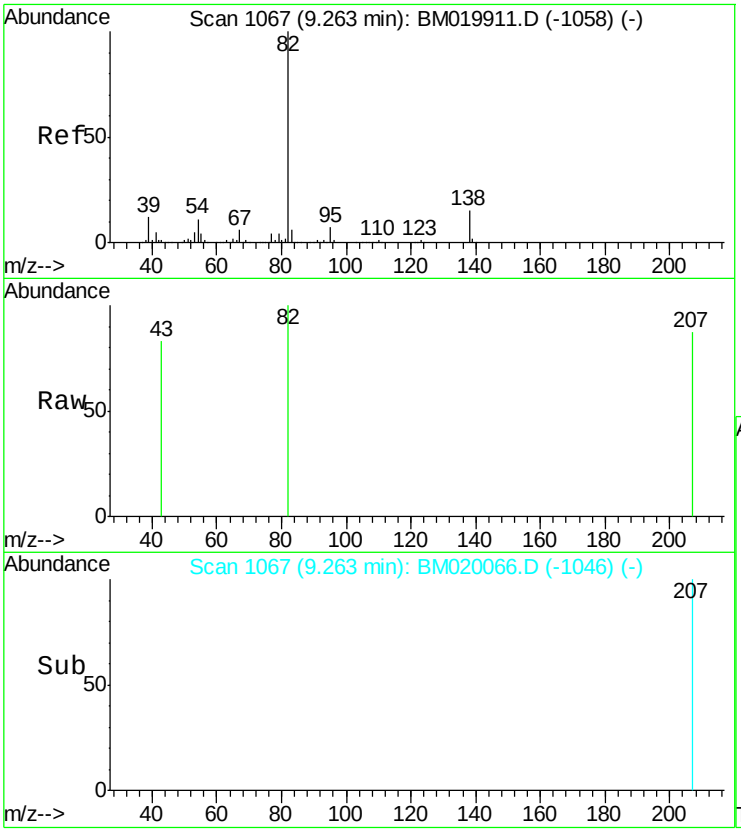




#24
Nitrobenzene
Concen: 0.296 ng
RT: 8.67 min Scan# 966
Delta R.T. -0.06 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion: 77 Resp: 2330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 31.0 | 46.4# |
| 65 | 29.8 | 10.6 | 16.0# |



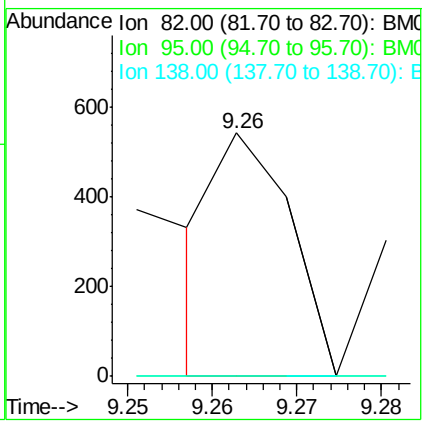


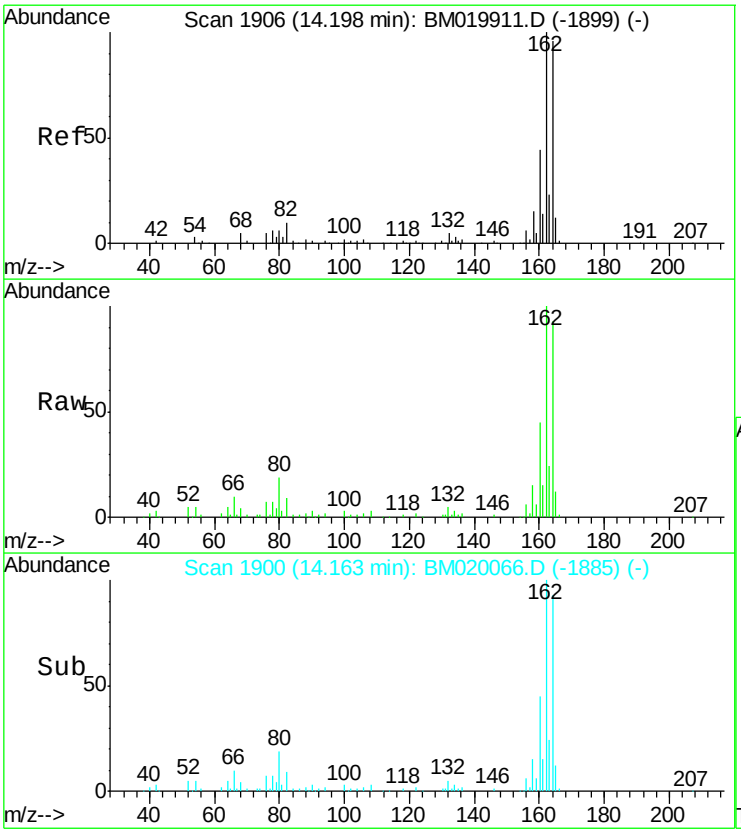

#25
Isophorone
Concen: 0.022 ng
RT: 9.26 min Scan# 1067
Delta R.T. 0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion: 82 Resp: 332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.5 | 8.3# |
| 138 | 0.0 | 12.2 | 18.2# |

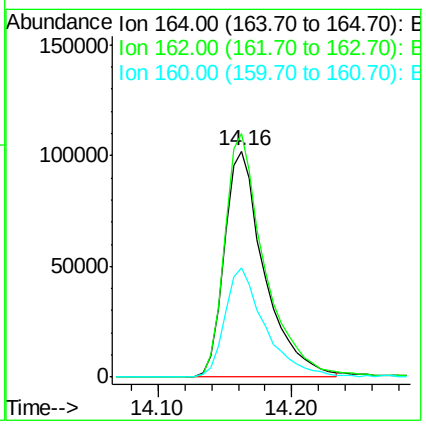


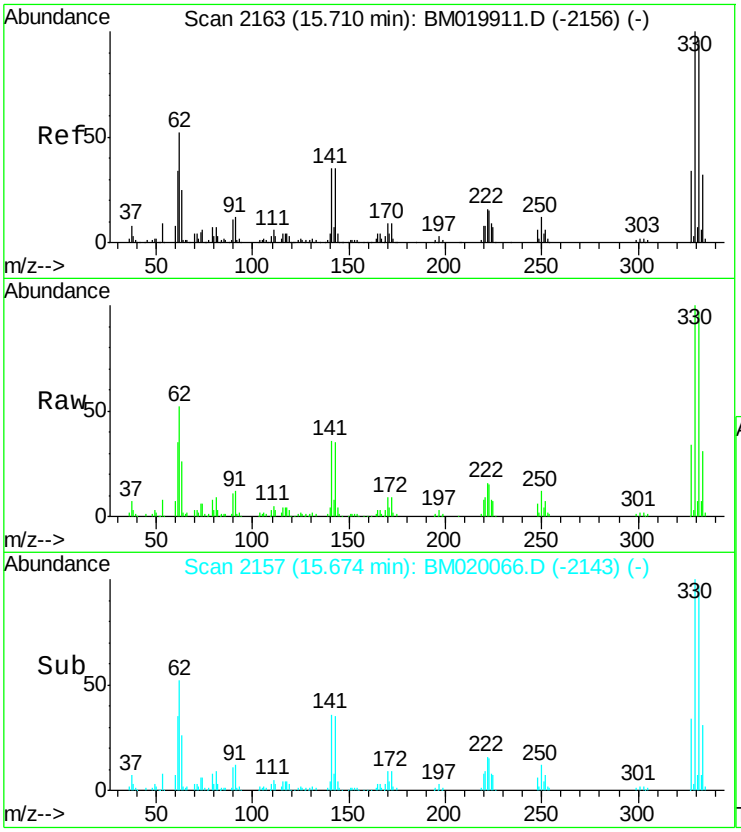




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.16 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:164 Resp: 213645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 107.8 | 83.0 | 124.4 |
| 160 | 48.2 | 36.6 | 55.0 |



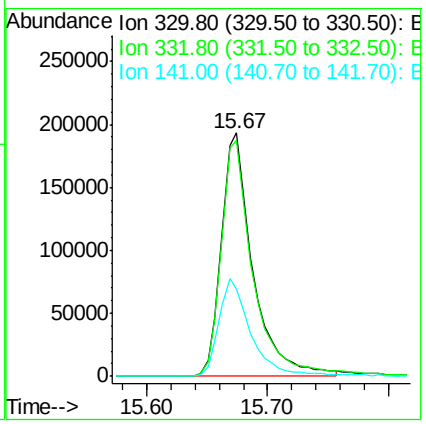


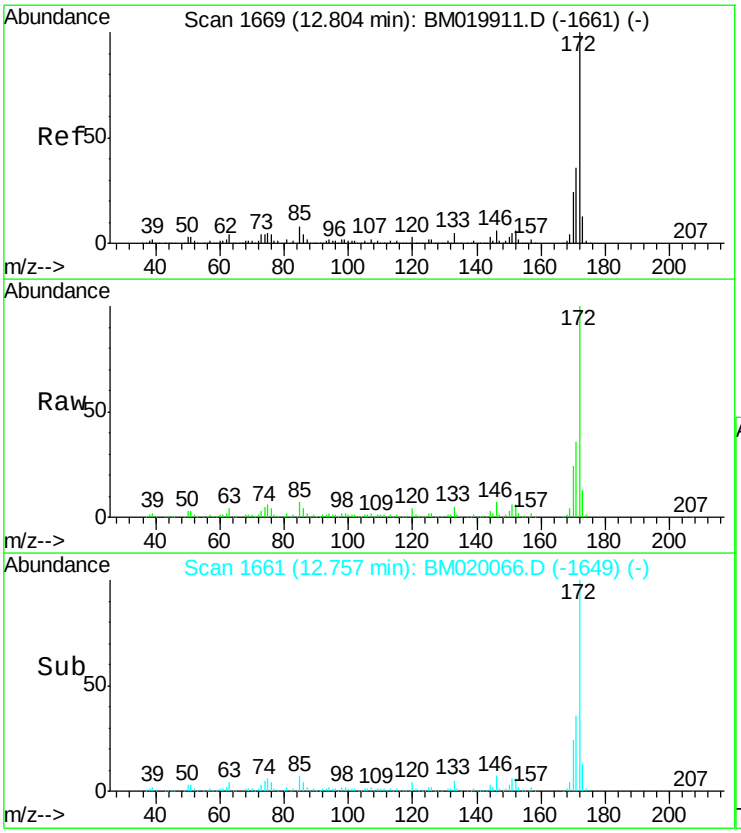

#42
2,4,6-Tribromophenol
Concen: 101.951 ng
RT: 15.67 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:330 Resp: 350619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.4 | 116.2 |
| 141 | 40.3 | 29.0 | 43.4 |

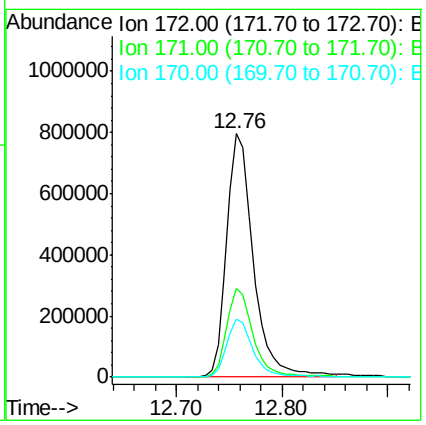


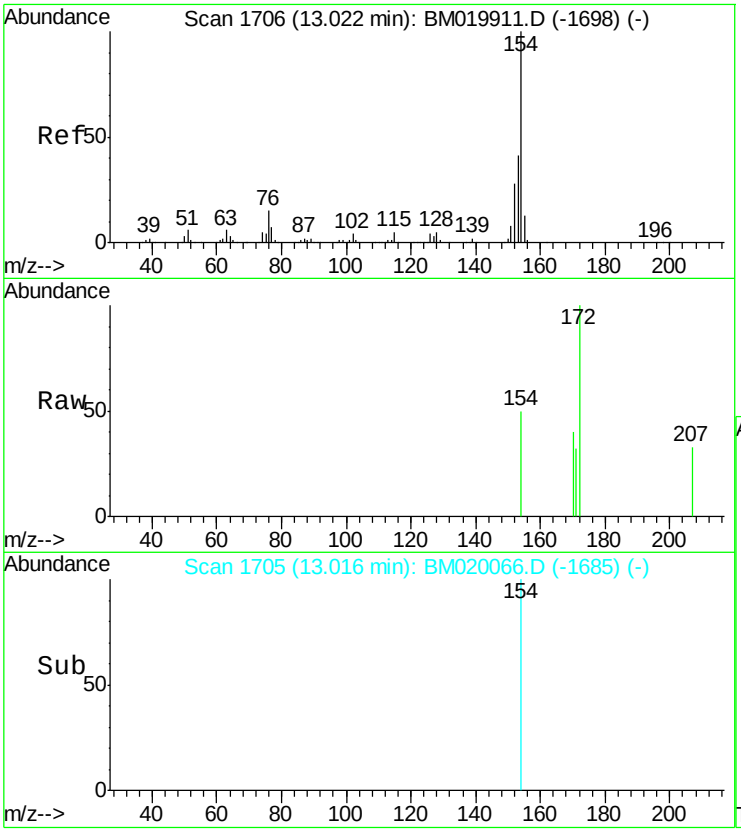




#45
2-Fluorobiphenyl
Concen: 81.284 ng
RT: 12.76 min Scan# 1661
Delta R.T. -0.03 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:172 Resp: 1393474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 28.9 | 43.3 |
| 170 | 23.9 | 19.0 | 28.4 |



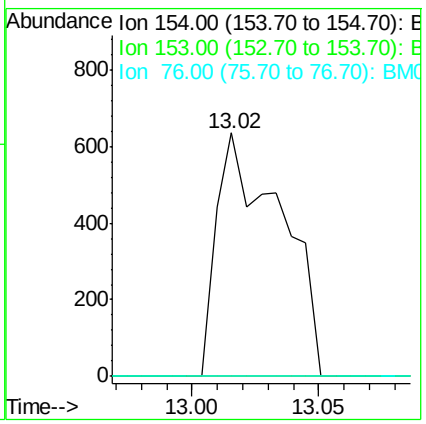


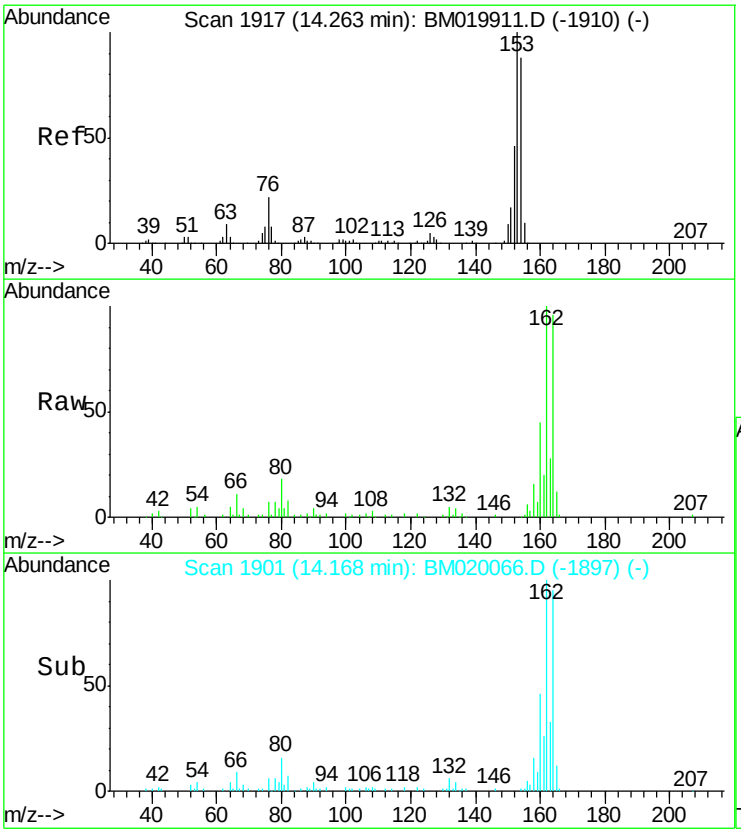

#46
1,1'-Biphenyl
Concen: 0.061 ng
RT: 13.02 min Scan# 1705
Delta R.T. 0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:154 Resp: 1125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 0.0 | 21.0 | 61.0# |
| 76 | 0.0 | 0.0 | 34.8 |

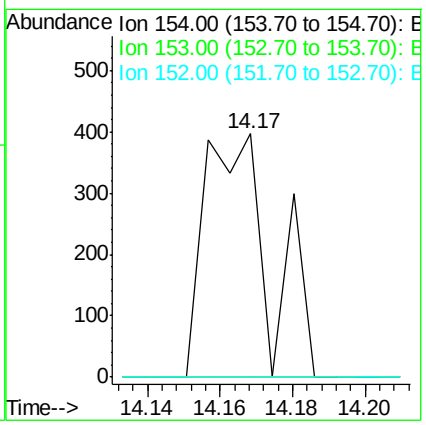


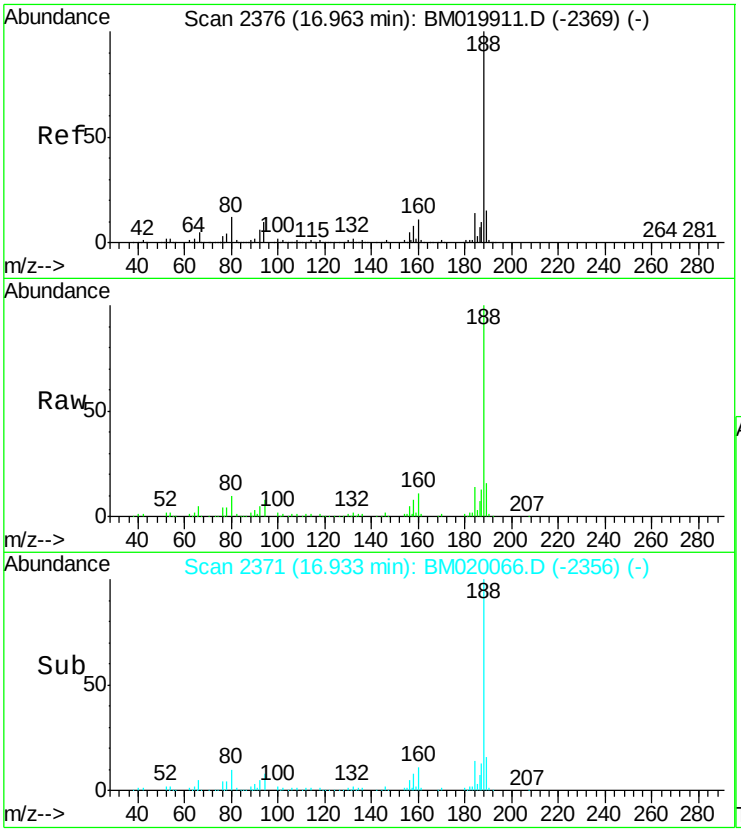




#52
Acenaphthene
Concen: 0.037 ng
RT: 14.17 min Scan# 1901
Delta R.T. -0.08 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:154 Resp: 499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 0.0 | 91.0 | 136.4# |
| 152 | 0.0 | 42.2 | 63.2# |



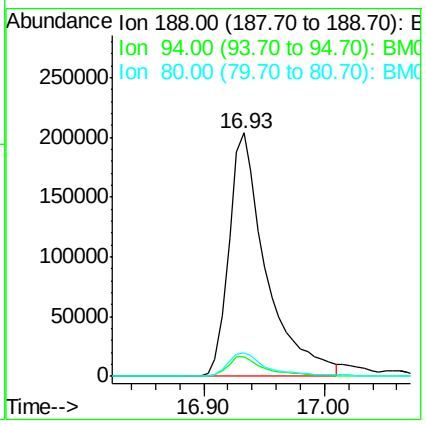


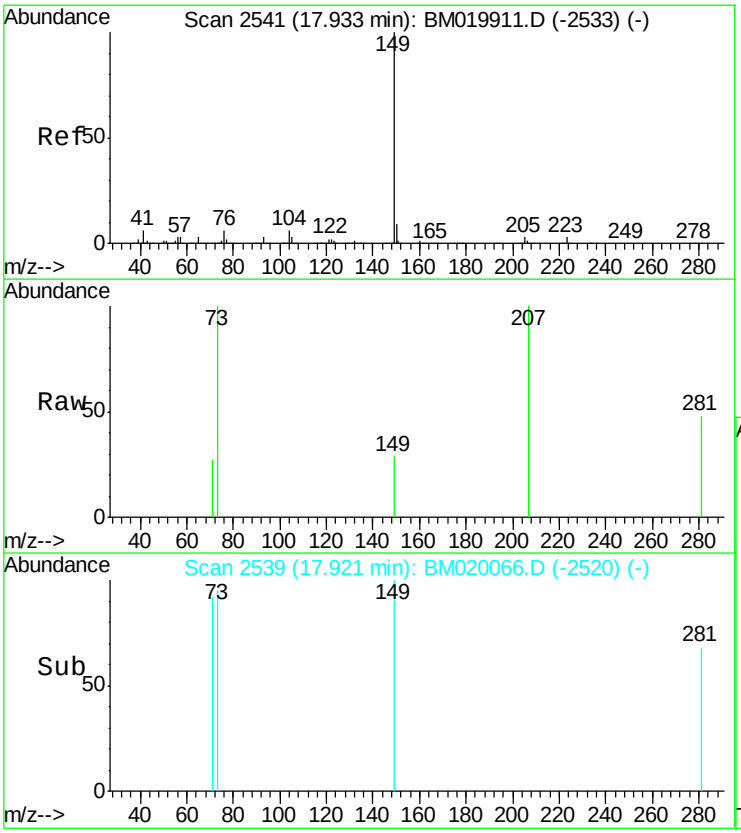

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.93 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:188 Resp: 437941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 7.6 | 11.4 |
| 80 | 9.6 | 9.4 | 14.0 |

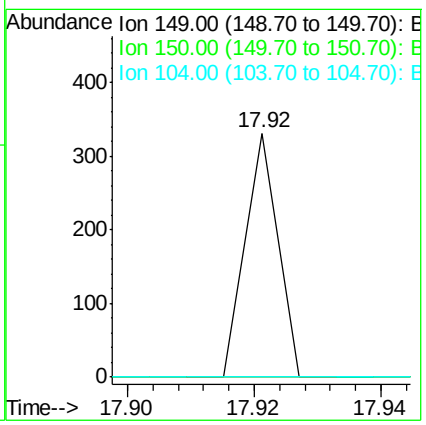


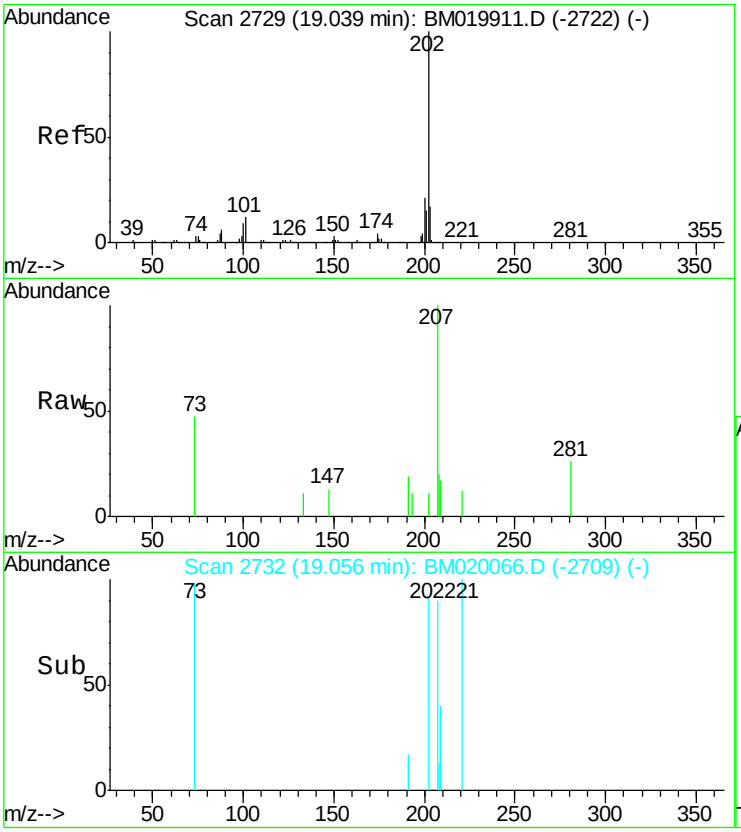




#74
Di-n-butylphthalate
Concen: 0.004 ng
RT: 17.92 min Scan# 2539
Delta R.T. 0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:149 Resp: 117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 0.0 | 7.2 | 10.8# |
| 104 | 0.0 | 4.6 | 7.0# |



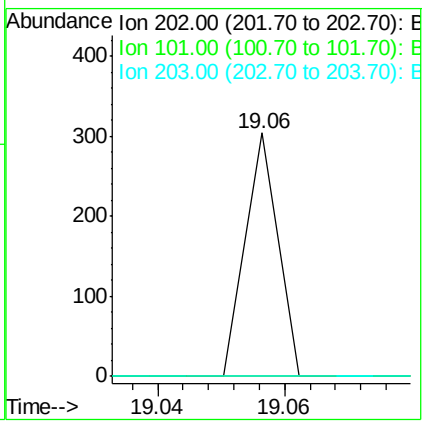


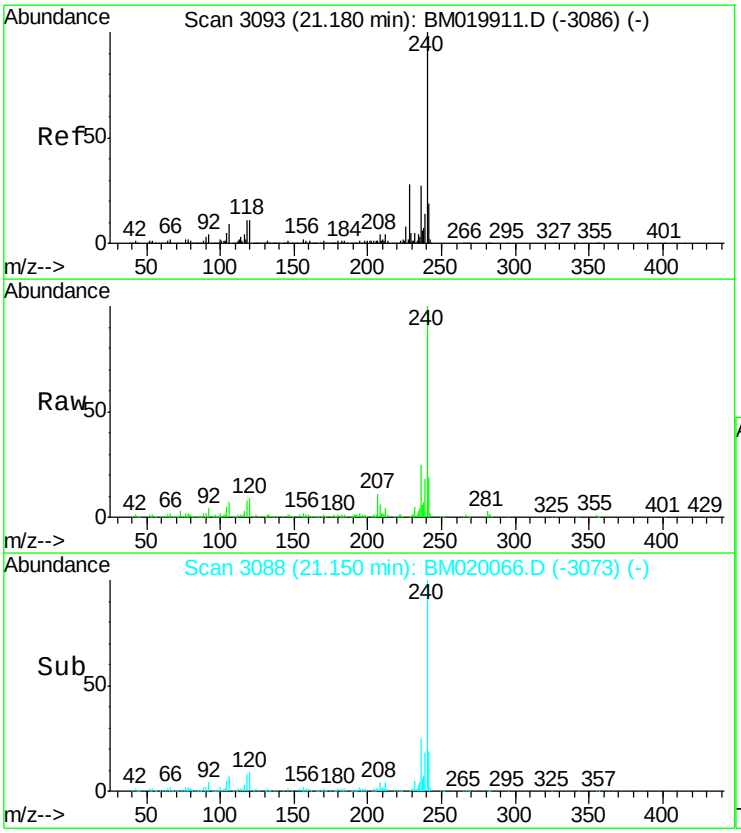

#75
Fluoranthene
Concen: 0.004 ng
RT: 19.06 min Scan# 2732
Delta R.T. 0.04 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:202 Resp: 107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 0.0 | 31.7 |
| 203 | 0.0 | 0.0 | 37.4 |

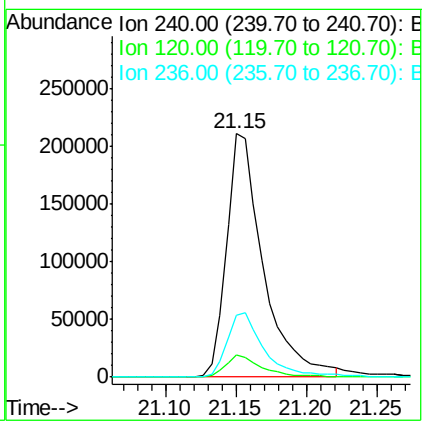


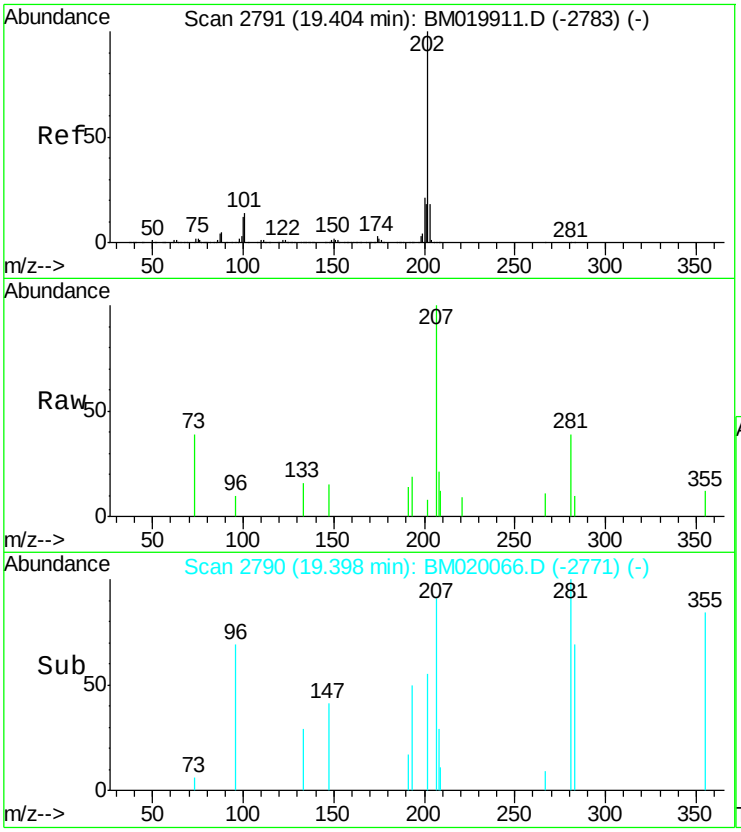




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:240 Resp: 382256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.9 | 8.6 | 13.0 |
| 236 | 25.4 | 21.4 | 32.2 |



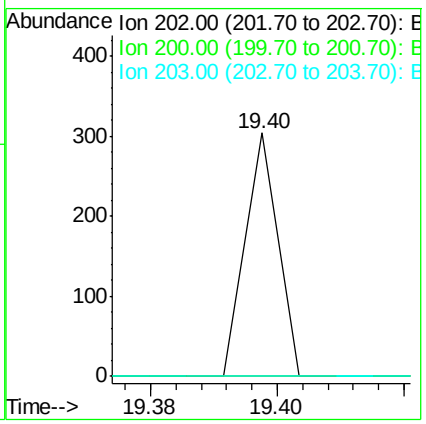


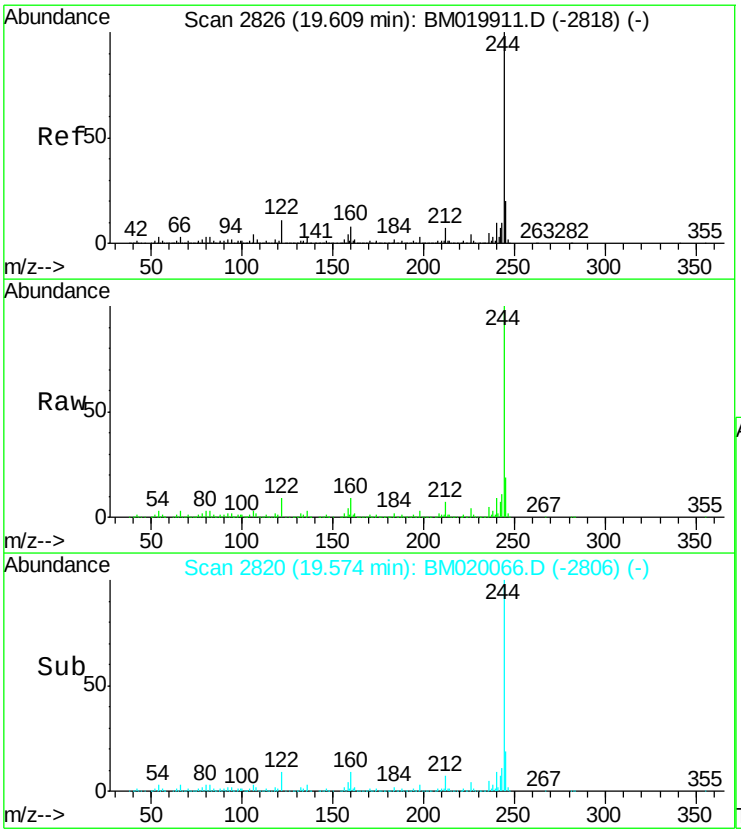

#78
Pyrene
Concen: 0.004 ng
RT: 19.40 min Scan# 2790
Delta R.T. 0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:202 Resp: 107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 0.0 | 17.0 | 25.4# |
| 203 | 0.0 | 14.0 | 21.0# |

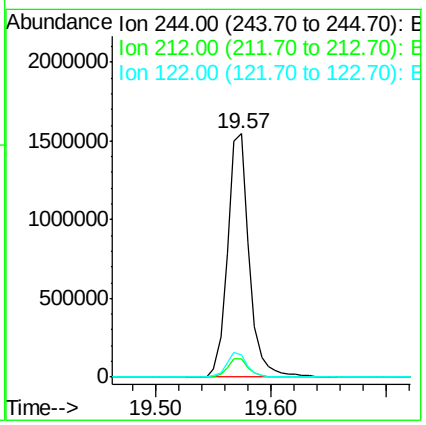


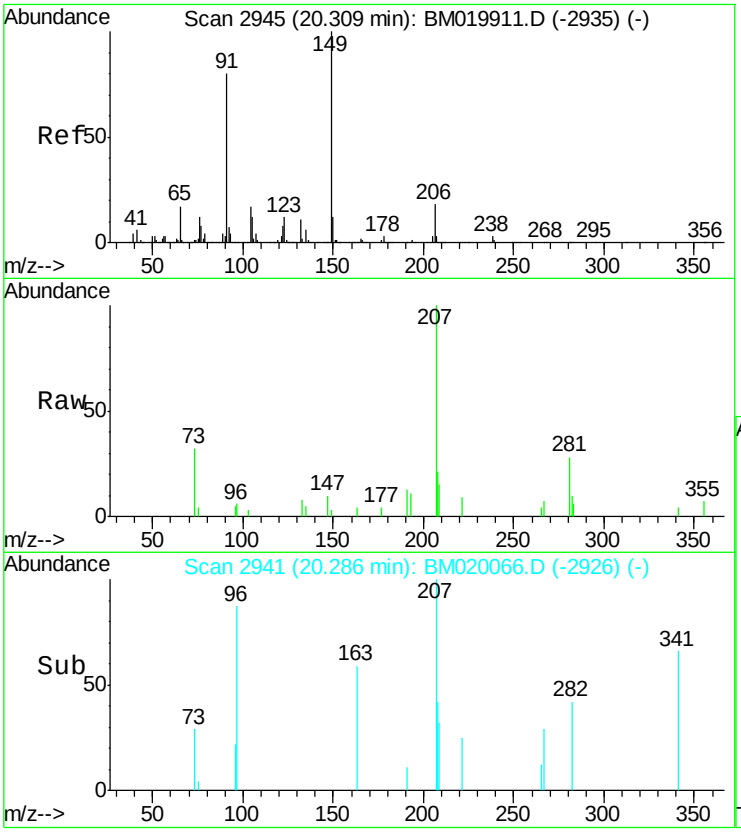




#79
Terphenyl-d14
Concen: 91.908 ng
RT: 19.57 min Scan# 2820
Delta R.T. -0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:244 Resp: 1991837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.7 | 8.5 |
| 122 | 8.9 | 9.1 | 13.7# |



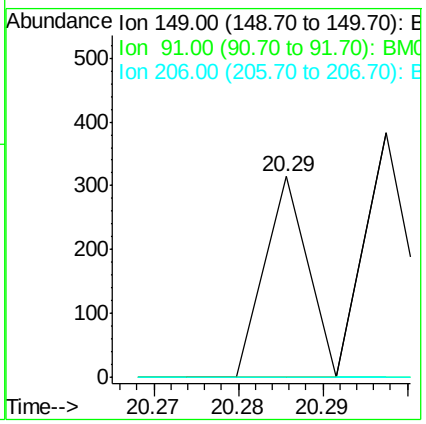


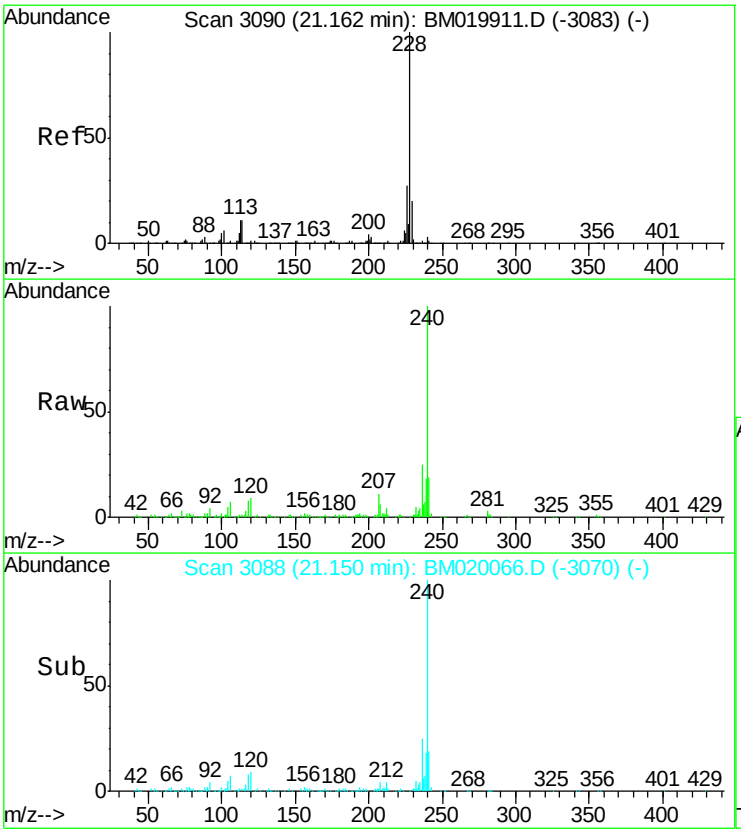

#80
Butylbenzylphthalate
Concen: 0.009 ng
RT: 20.29 min Scan# 2941
Delta R.T. -0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:149 Resp: 111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 0.0 | 63.7 | 95.5# |
| 206 | 0.0 | 14.6 | 21.8# |

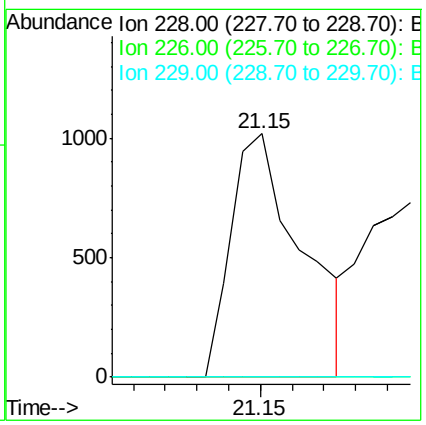


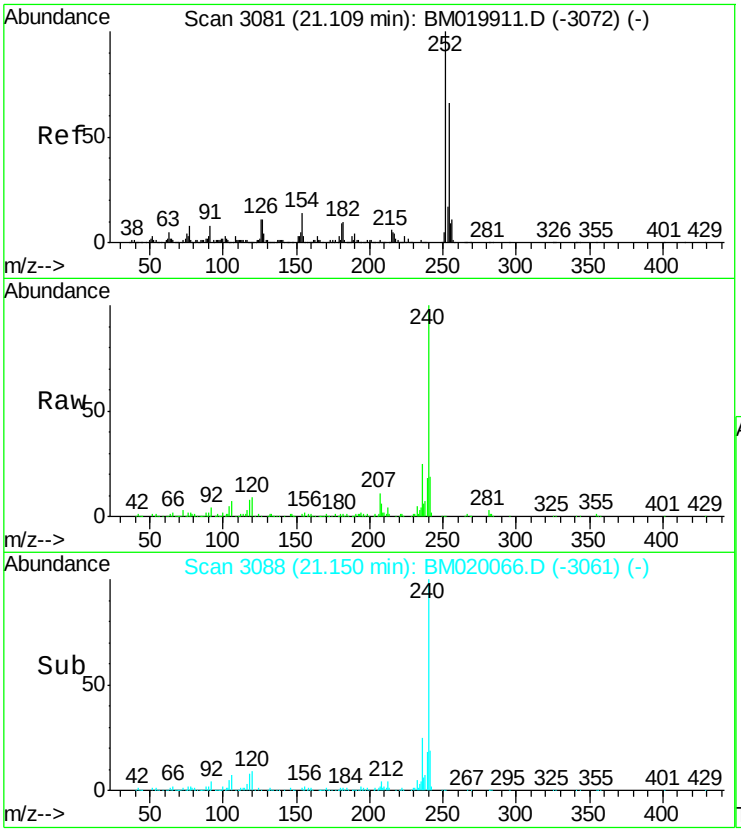




#81
Benzo(a)anthracene
Concen: 0.065 ng
RT: 21.15 min Scan# 3088
Delta R.T. 0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:228 Resp: 1567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 21.8 | 32.6# |
| 229 | 0.0 | 15.9 | 23.9# |



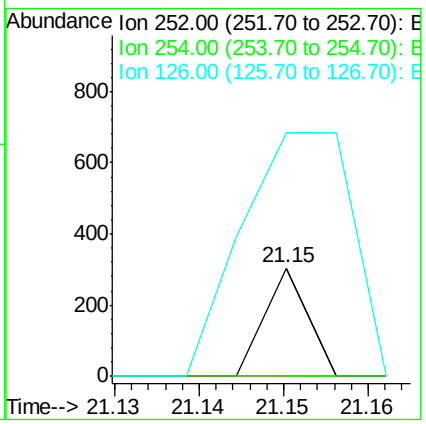


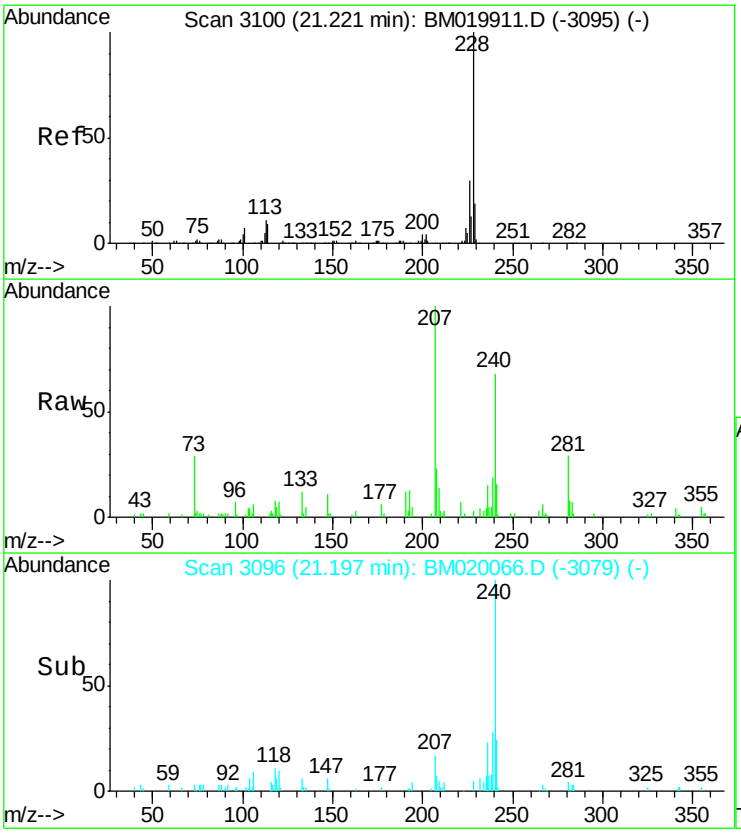

#82
3,3'-Dichlorobenzidine
Concen: 0.012 ng
RT: 21.15 min Scan# 3088
Delta R.T. 0.06 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:252 Resp: 107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 0.0 | 52.6 | 78.8# |
| 126 | 224.7 | 8.6 | 12.8# |

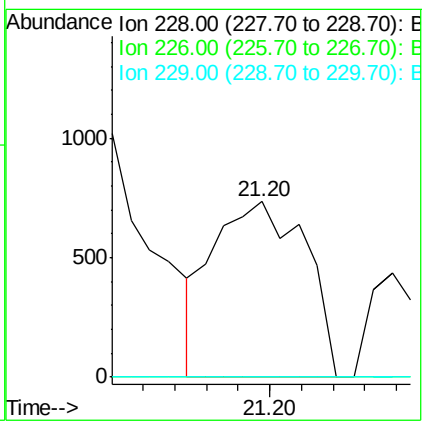


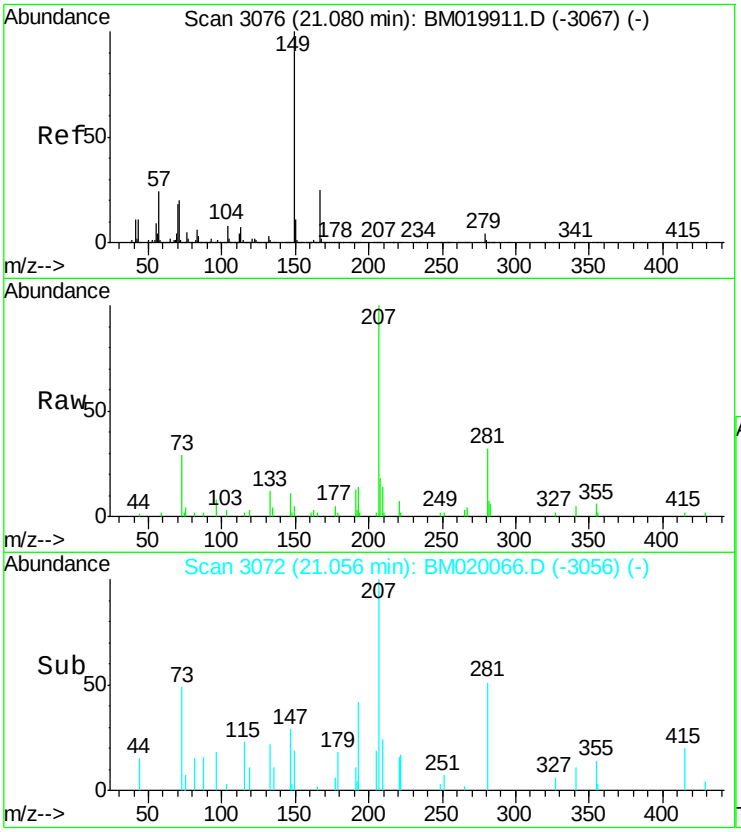




#83
Chrysene
Concen: 0.064 ng
RT: 21.20 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:228 Resp: 1480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 23.7 | 35.5# |
| 229 | 0.0 | 15.6 | 23.4# |



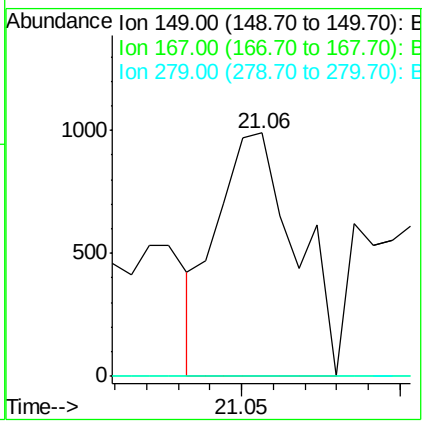


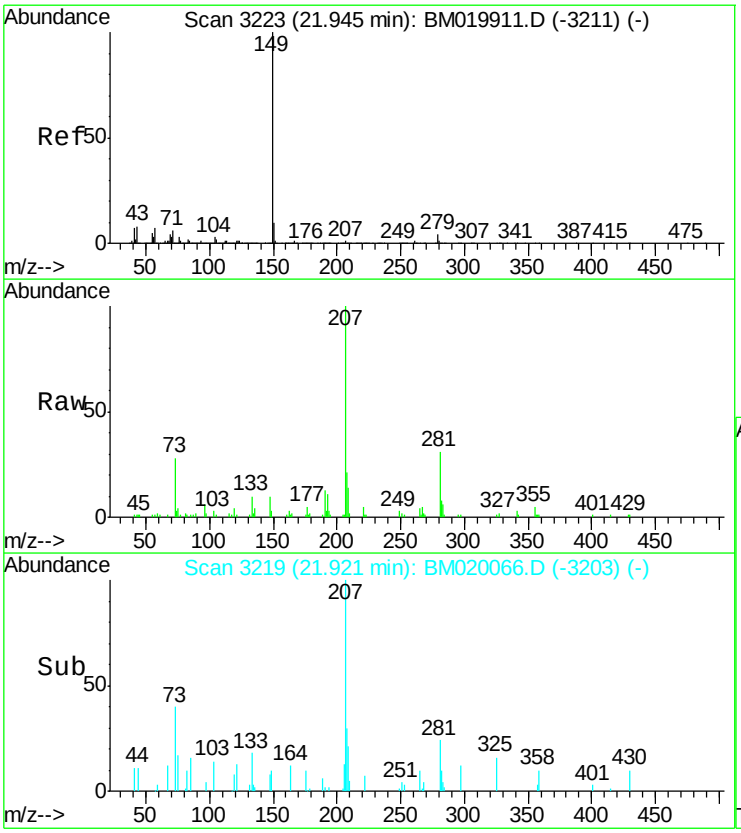

#84
Bis(2-ethylhexyl)phthalate
Concen: 0.094 ng
RT: 21.06 min Scan# 3072
Delta R.T. -0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:149 Resp: 1709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 20.3 | 30.5# |
| 279 | 0.0 | 3.4 | 5.2# |

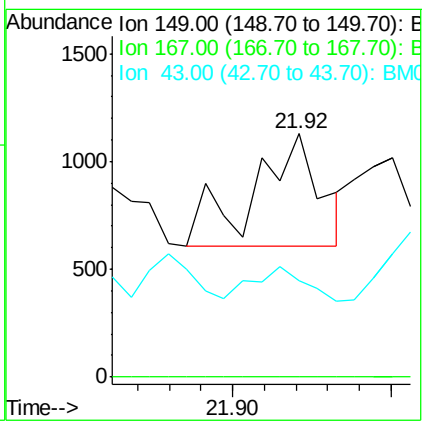


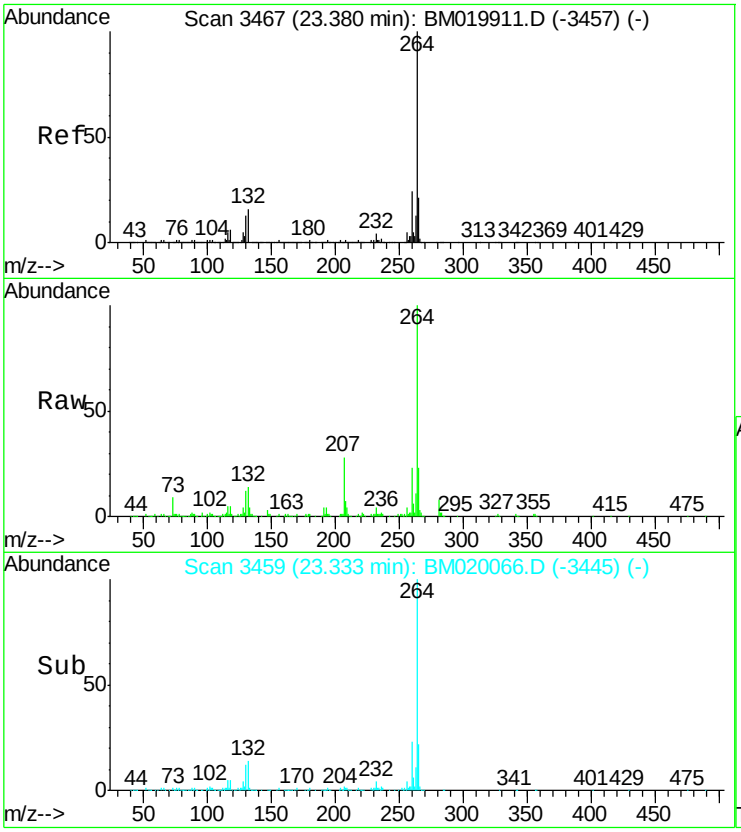




#85
Di-n-octyl phthalate
Concen: 0.026 ng
RT: 21.92 min Scan# 3219
Delta R.T. -0.01 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:149 Resp: 771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 1.3 | 1.9# |
| 43 | 23.0 | 6.0 | 9.0# |



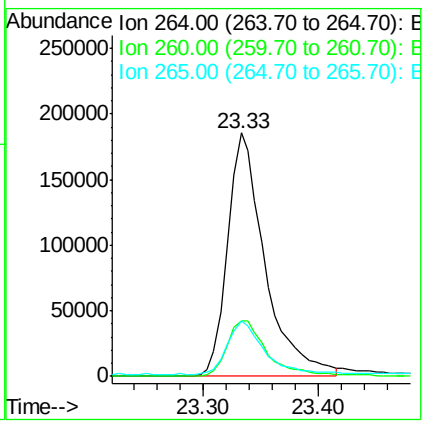


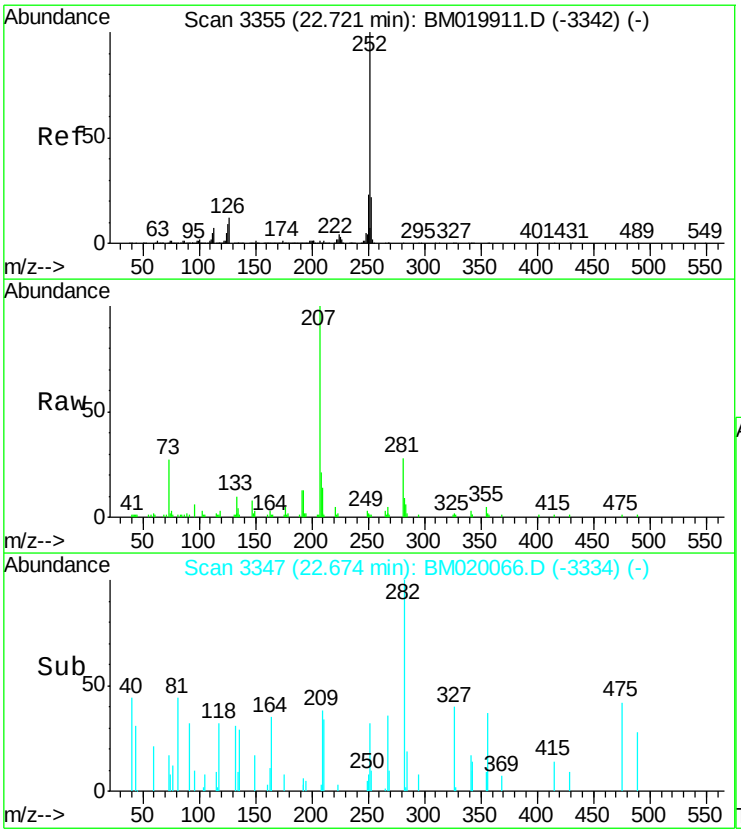

#87
Perylene-d12
Concen: 20.000 ng
RT: 23.33 min Scan# 3459
Delta R.T. -0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:264 Resp: 417706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 19.2 | 28.8 |
| 265 | 22.9 | 17.2 | 25.8 |

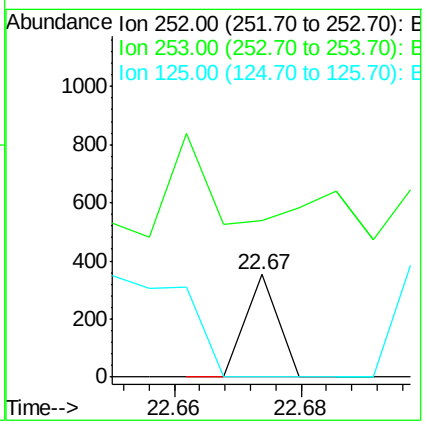


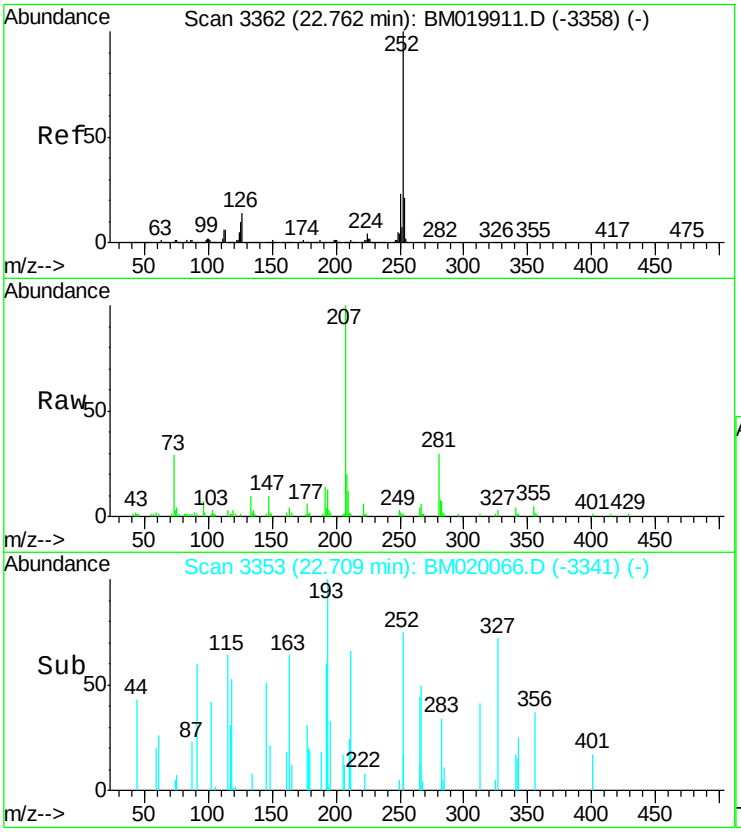




#88
Benzo(b)fluoranthene
Concen: 0.004 ng
RT: 22.67 min Scan# 3347
Delta R.T. -0.02 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:252 Resp: 124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 153.7 | 17.5 | 26.3# |
| 125 | 0.0 | 7.6 | 11.4# |



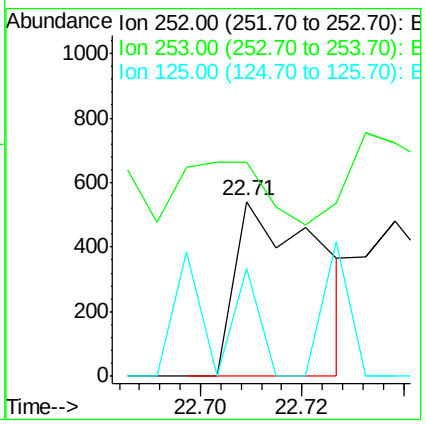


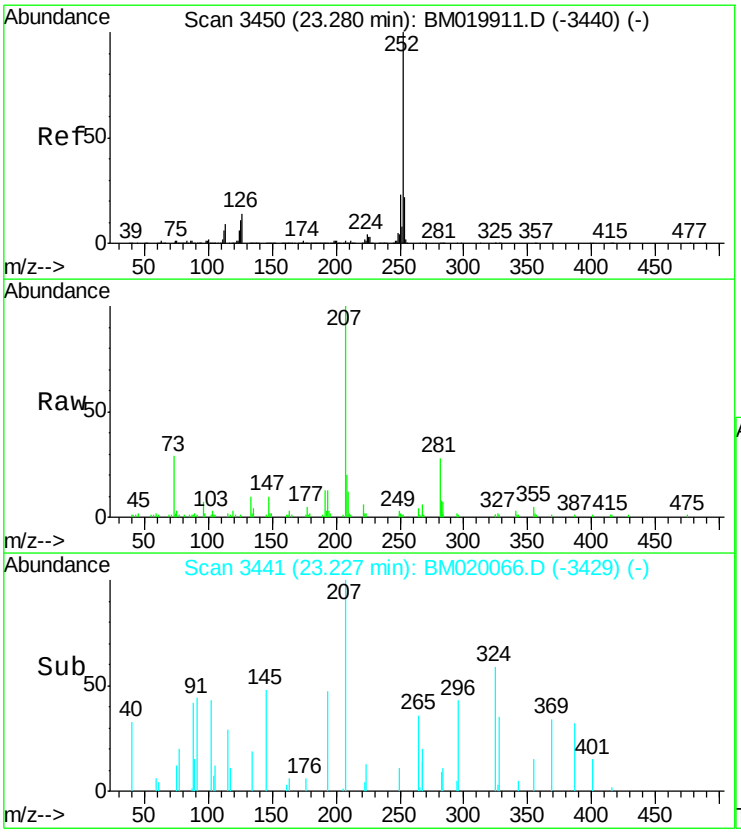

#89
Benzo(k)fluoranthene
Concen: 0.024 ng
RT: 22.71 min Scan# 3353
Delta R.T. -0.03 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:252 Resp: 623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 122.5 | 17.3 | 25.9# |
| 125 | 61.4 | 8.2 | 12.4# |




#90
Benzo(a)pyrene
Concen: 0.004 ng
RT: 23.23 min Scan# 3441
Delta R.T. -0.03 min
Lab File: BM020066.D
Acq: 24 Apr 2019 16:03

Tgt Ion:252 Resp: 110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 170.6 | 17.8 | 26.8# |
| 125 | 107.0 | 9.1 | 13.7# |