Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072719\
Data File : BF115829.D
Acq On : 27 Jul 2019 14:29
Operator : HP/JU
Sample : K4000-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Jul 29 01:00:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 13:16:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 144131 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 563481 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.91 | 164 | 276898 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 446845 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.03 | 240 | 347449 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.50 | 264 | 426337 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 368929 | 41.87 | ng | | 0.02 |
| 7) Phenol-d6 | 6.59 | 99 | 243094 | 21.74 | ng | | 0.09 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 315896 | 32.60 | ng | | 0.03 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 80137 | 24.79 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.23 | 172 | 523550 | 33.09 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.97 | 244 | 554092 | 29.43 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 9052 | 2.092 | ng | # | 1 |
| 9) Benzaldehyde | 6.45 | 77 | 2506977 | 358.807 | ng | | 99 |
| 10) Phenol | 6.62 | 94 | 159794 | 12.311 | ng | | 97 |
| 15) Benzyl Alcohol | 7.12 | 79 | 9678270 | 1091.183 | ng | | 92 |
| 17) 2-Methylphenol | 7.11 | 107 | 6584518 | 754.189 | ng | # | 13 |
| 20) 3+4-Methylphenols | 7.11 | 107 | 6487647 | 625.598 | ng | # | 44 |
| 24) Nitrobenzene | 7.35 | 77 | 119283 | 11.412 | ng | # | 39 |
| 25) Isophorone | 7.75 | 82 | 42113 | 2.172 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 8.09 | 93 | 209290 | 17.593 | ng | # | 96 |
| 32) Benzoic acid | 7.93 | 122 | 18678 | 2.827 | ng | # | 29 |
| 50) Dimethylphthalate | 9.62 | 163 | 118860 | 5.705 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 9.91 | 165 | 36161 | 5.895 | ng | # | 27 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 229255 | 8.966 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 33885 | 2.180 | ng | # | 94 |

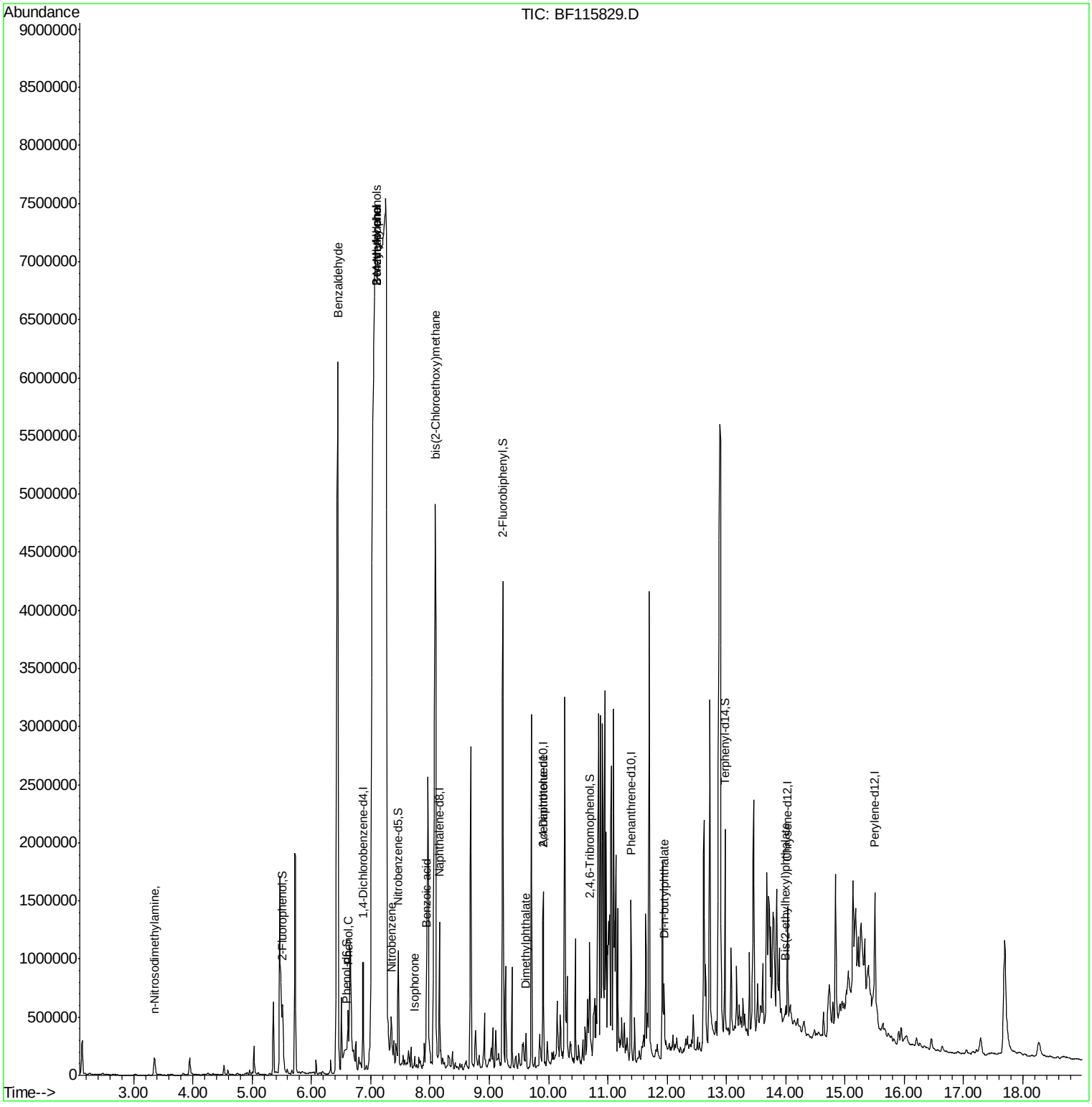
(#) = qualifier out of range (m) = manual integration (+) = signals summed

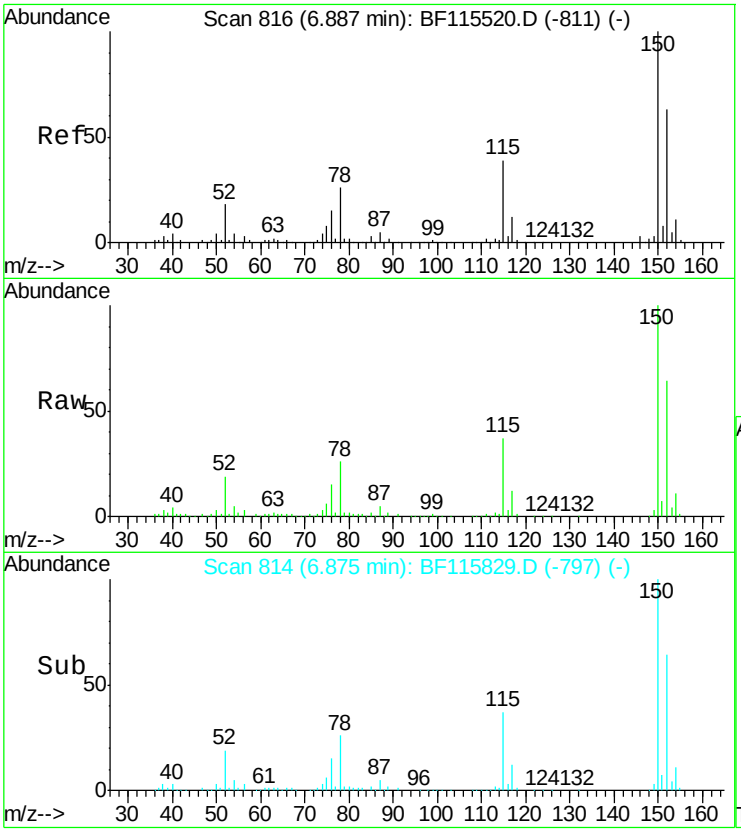
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072719\
Data File : BF115829.D
Acq On : 27 Jul 2019 14:29
Operator : HP/JU
Sample : K4000-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Jul 29 01:00:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 13:16:07 2019
Response via : Initial Calibration



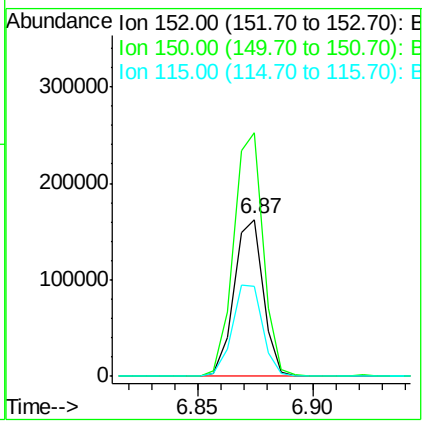


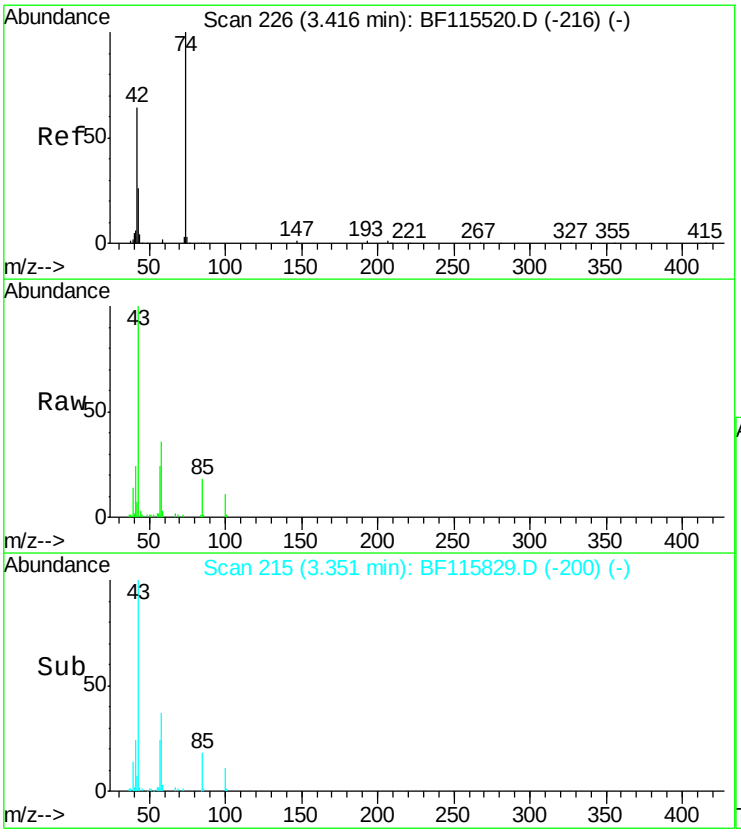

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 144131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.2 | 126.6 | 189.8 |
| 115 | 57.2 | 47.8 | 71.6 |

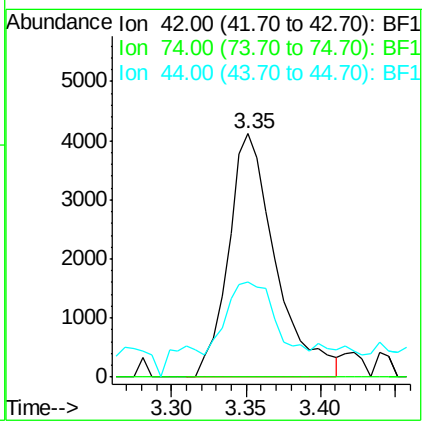


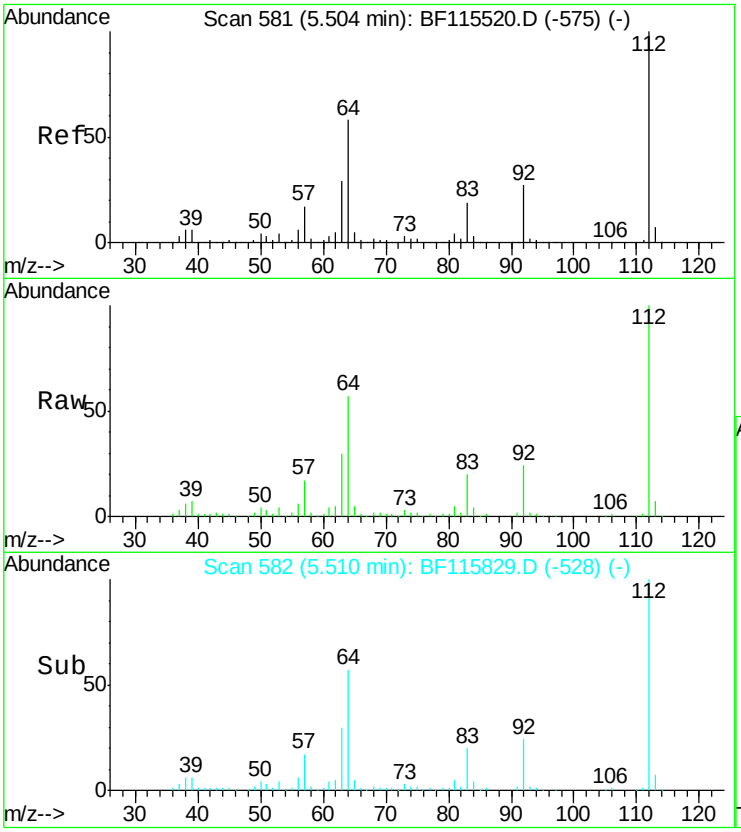




#4
n-Nitrosodimethylamine
Concen: 2.092 ng
RT: 3.35 min Scan# 215
Delta R.T. -0.01 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion: 42 Resp: 9052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 113.4 | 170.0# |
| 44 | 38.9 | 5.1 | 7.7# |



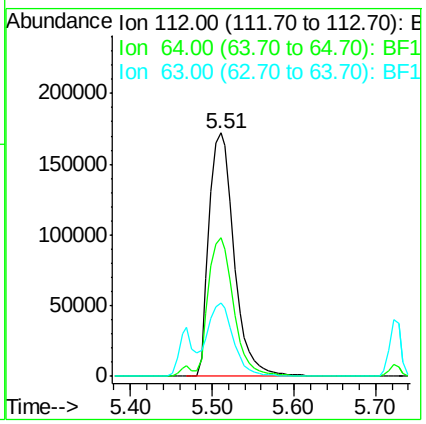


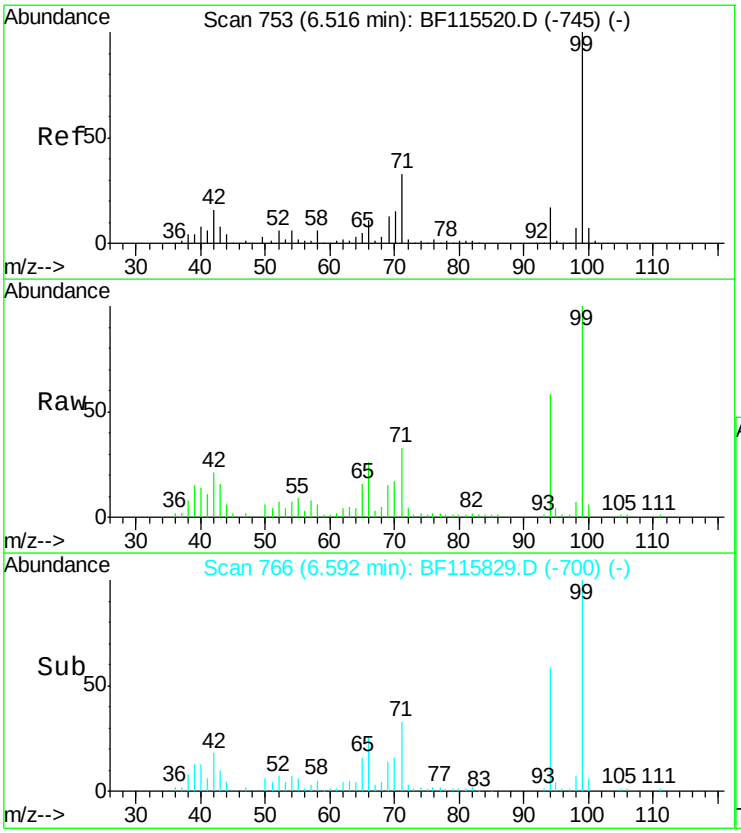

#5
2-Fluorophenol
Concen: 41.869 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:112 Resp: 368929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.1 | 45.8 | 68.8 |
| 63 | 30.1 | 23.6 | 35.4 |

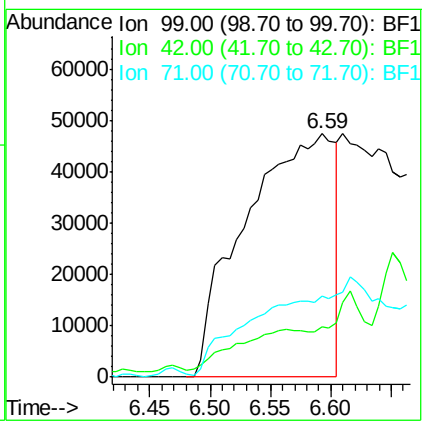


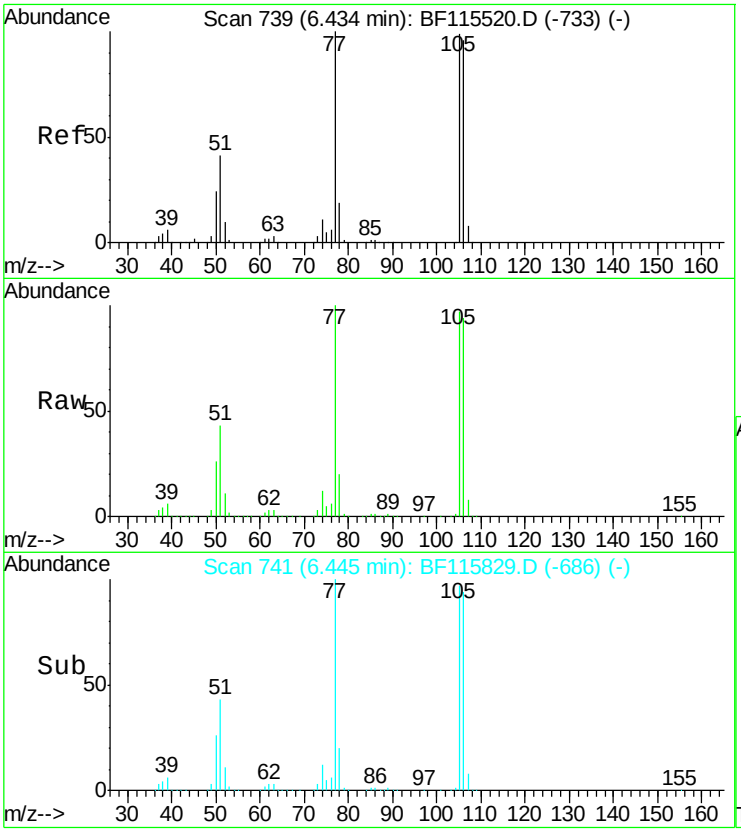




#7
Phenol-d6
Concen: 21.742 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.09 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion: 99 Resp: 243094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.7 | 13.4 | 20.2# |
| 71 | 33.1 | 26.7 | 40.1 |



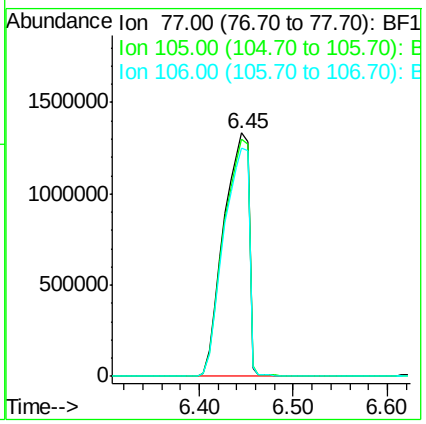


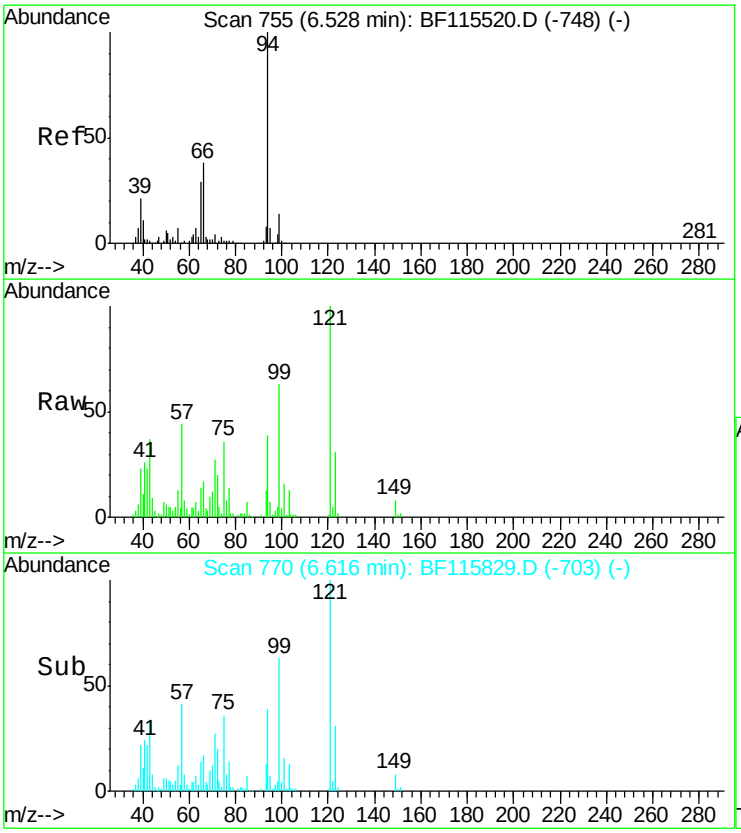

#9
Benzaldehyde
Concen: 358.807 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.02 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 77 Resp: 2506977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 97.3 | 77.5 | 117.5 |
| 106 | 93.6 | 74.7 | 114.7 |

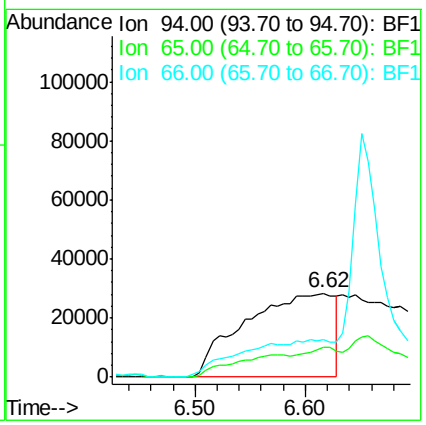


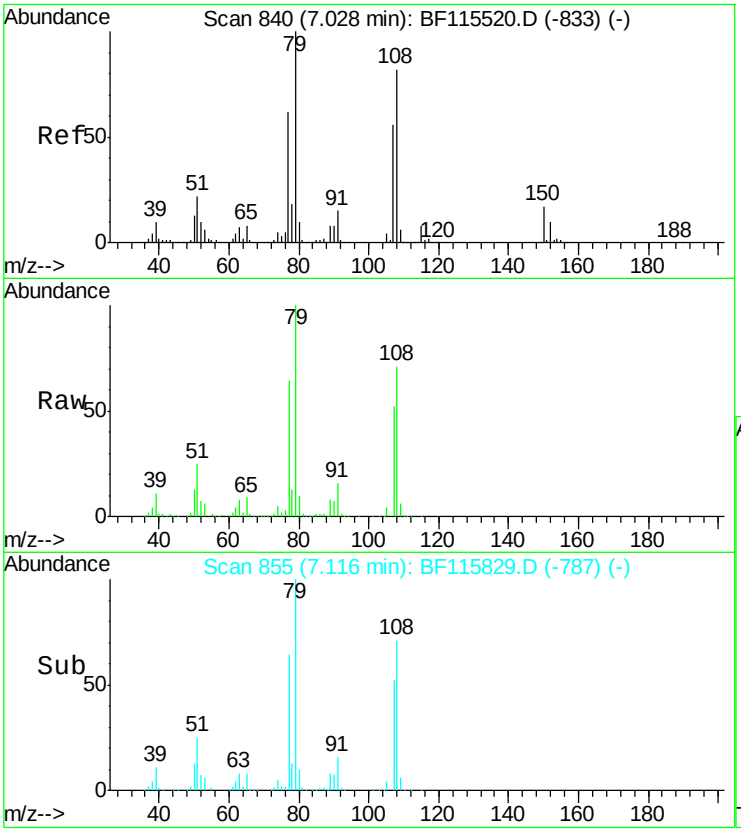




#10
Phenol
Concen: 12.311 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.09 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion: 94 Resp: 159794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 35.2 | 11.2 | 51.2 |
| 66 | 44.0 | 24.4 | 64.4 |



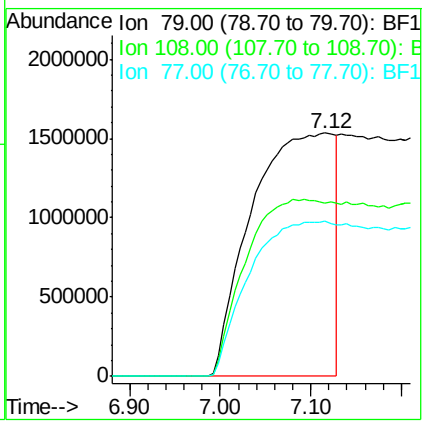


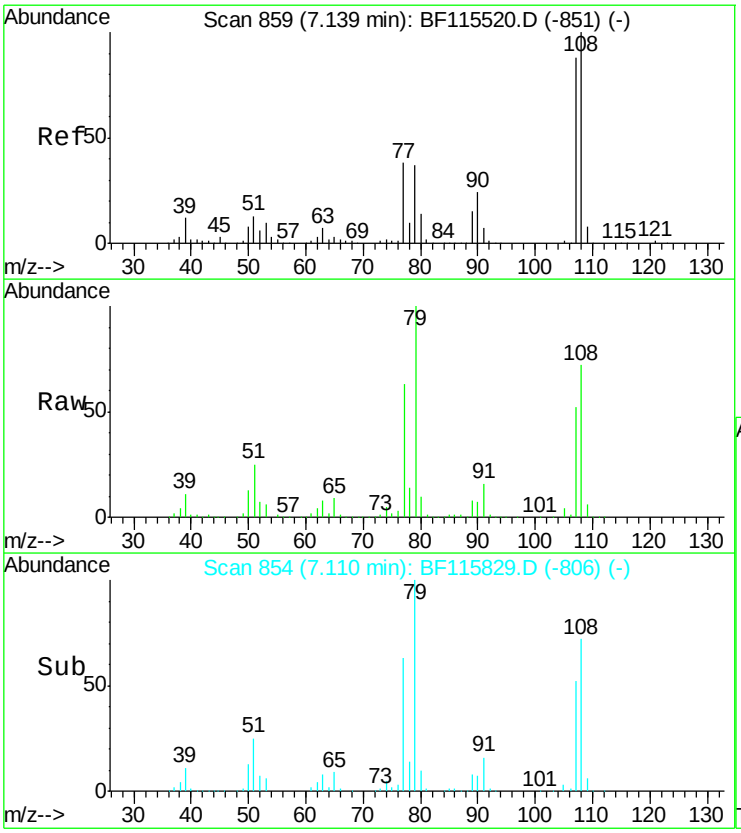

#15
Benzyl Alcohol
Concen: 1091.183 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.10 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 79 Resp: 9678270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 71.3 | 65.4 | 98.2 |
| 77 | 63.8 | 52.7 | 79.1 |

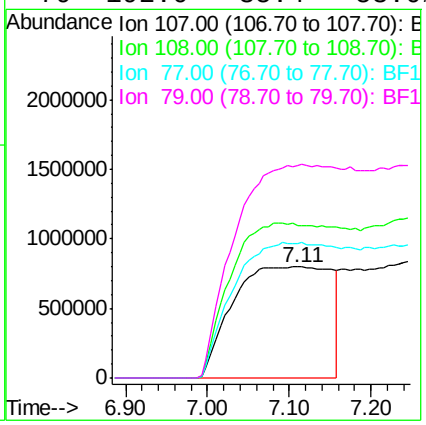


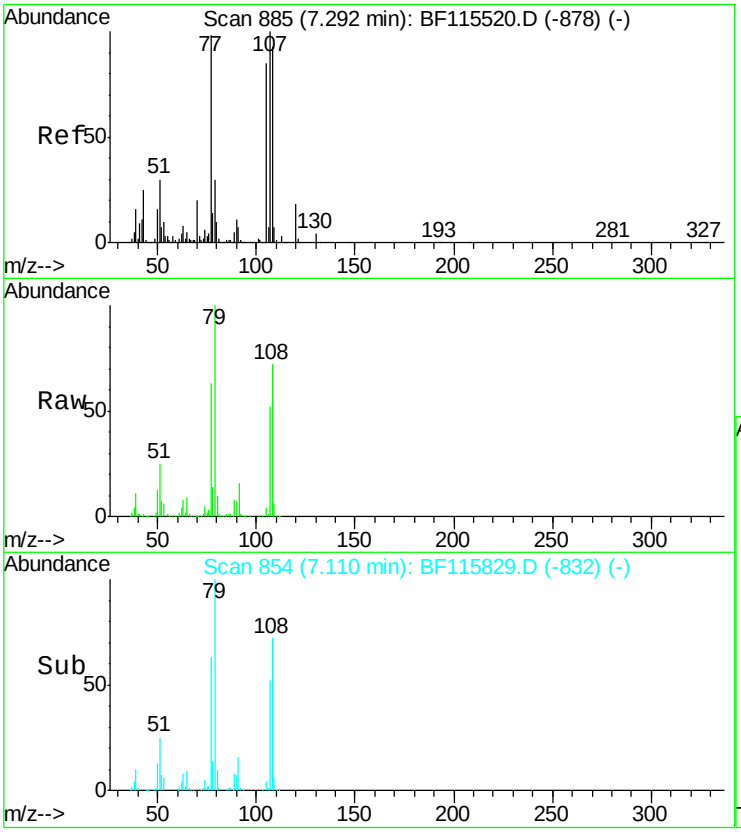




#17
2-Methylphenol
Concen: 754.189 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion:107 Resp: 6584518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 137.9 | 91.3 | 136.9# |
| 77 | 121.4 | 36.9 | 55.3# |
| 79 | 192.0 | 35.4 | 53.0# |



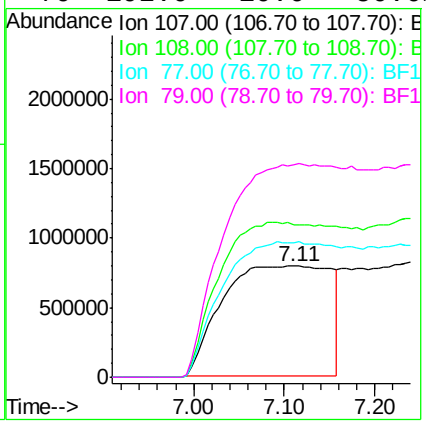


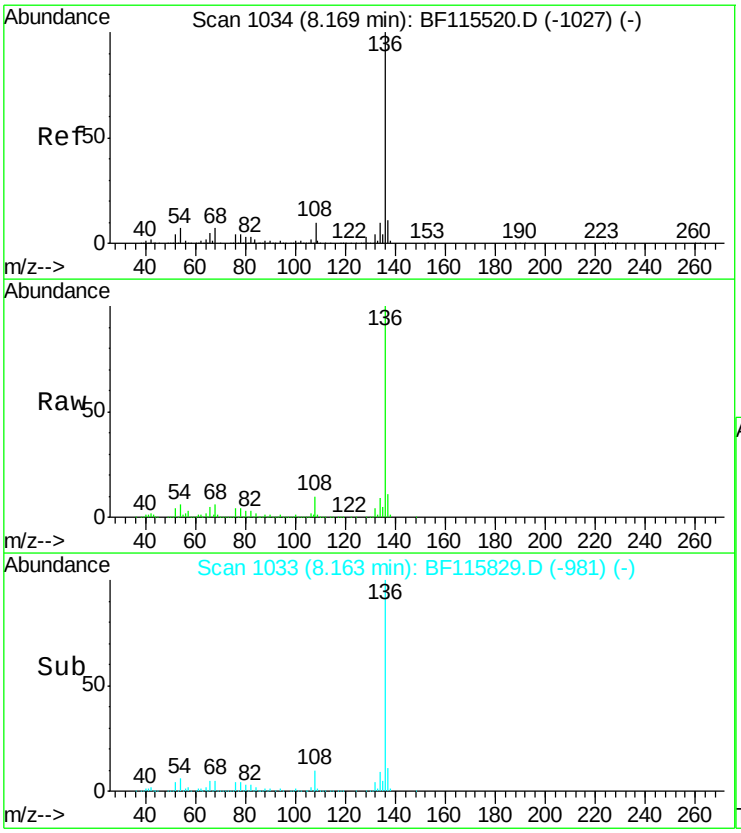

#20
3+4-Methylphenols
Concen: 625.598 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.17 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:107 Resp: 6487647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 137.9 | 73.0 | 113.0# |
| 77 | 121.4 | 107.5 | 147.5 |
| 79 | 192.0 | 10.6 | 50.6# |

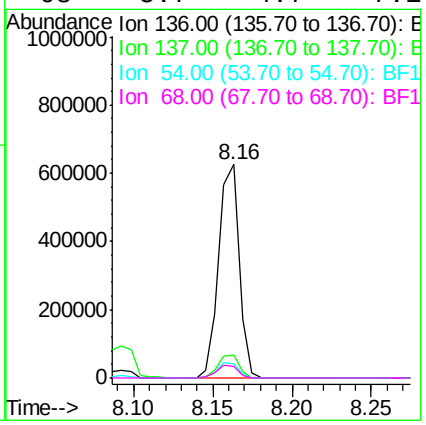


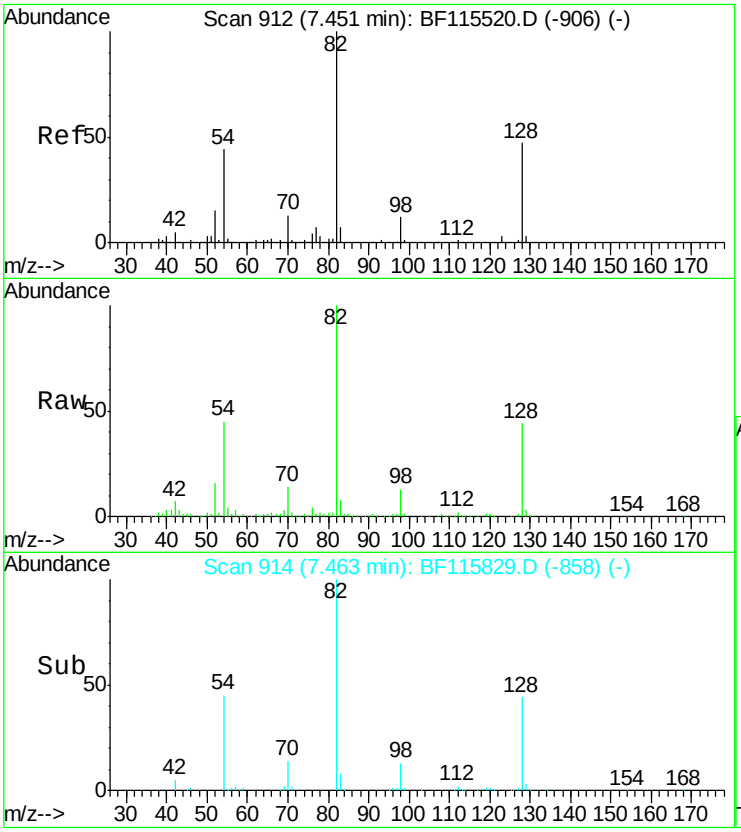




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion:136 Resp: 563481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.7 | 13.1 |
| 54 | 6.4 | 5.0 | 7.6 |
| 68 | 5.7 | 4.7 | 7.1 |



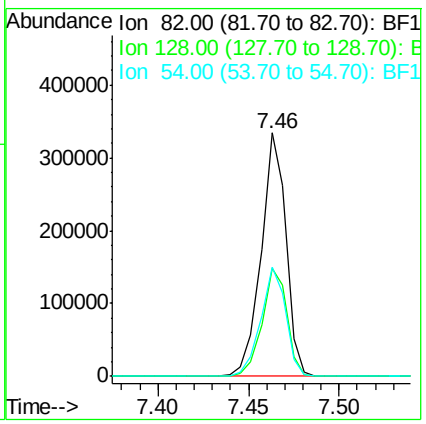


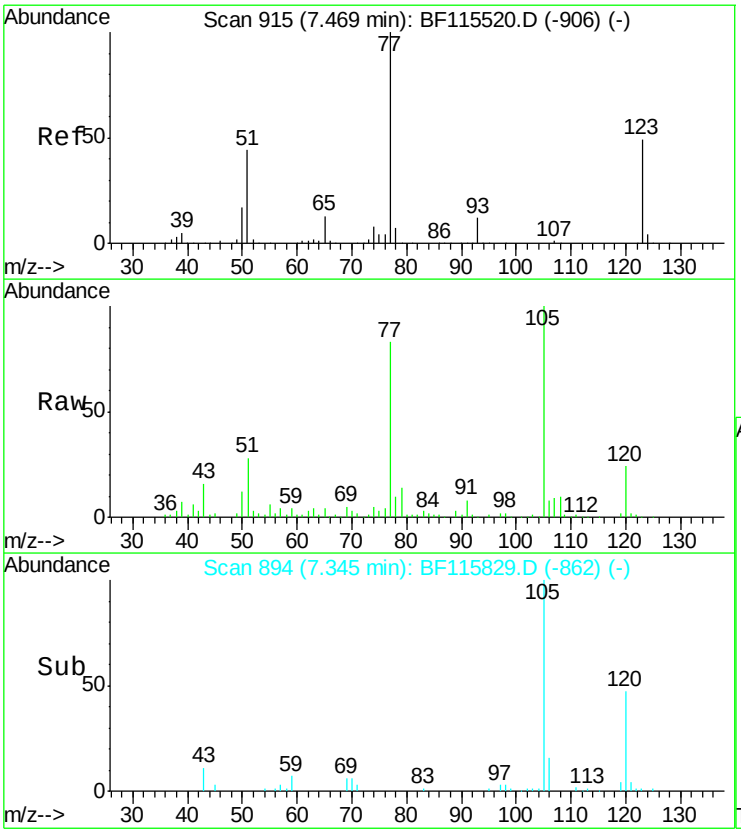

#23
Nitrobenzene-d5
Concen: 32.598 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.03 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 82 Resp: 315896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 36.6 | 55.0 |
| 54 | 44.9 | 36.6 | 54.8 |

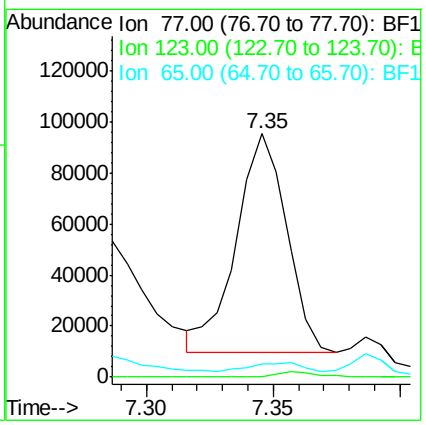


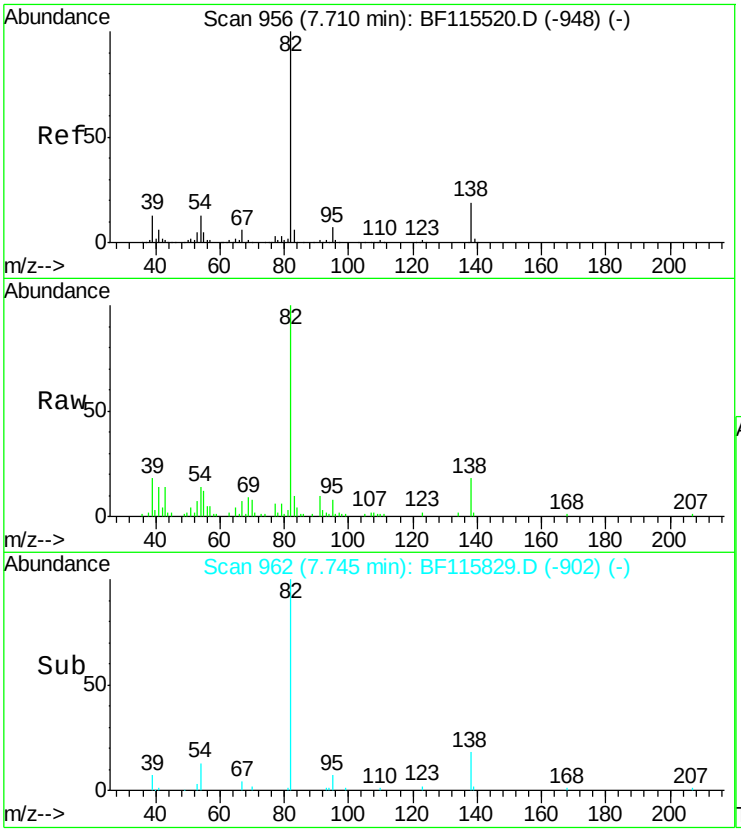




#24
Nitrobenzene
Concen: 11.412 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.11 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion: 77 Resp: 119283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.4 | 39.9 | 59.9# |
| 65 | 5.3 | 10.5 | 15.7# |



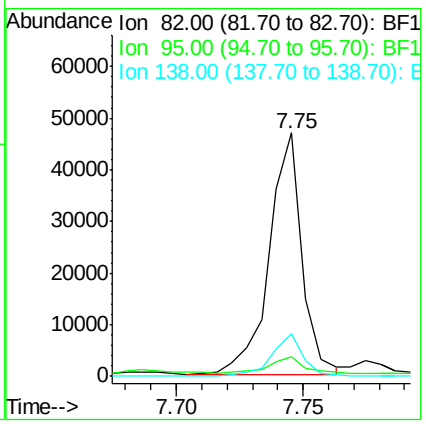


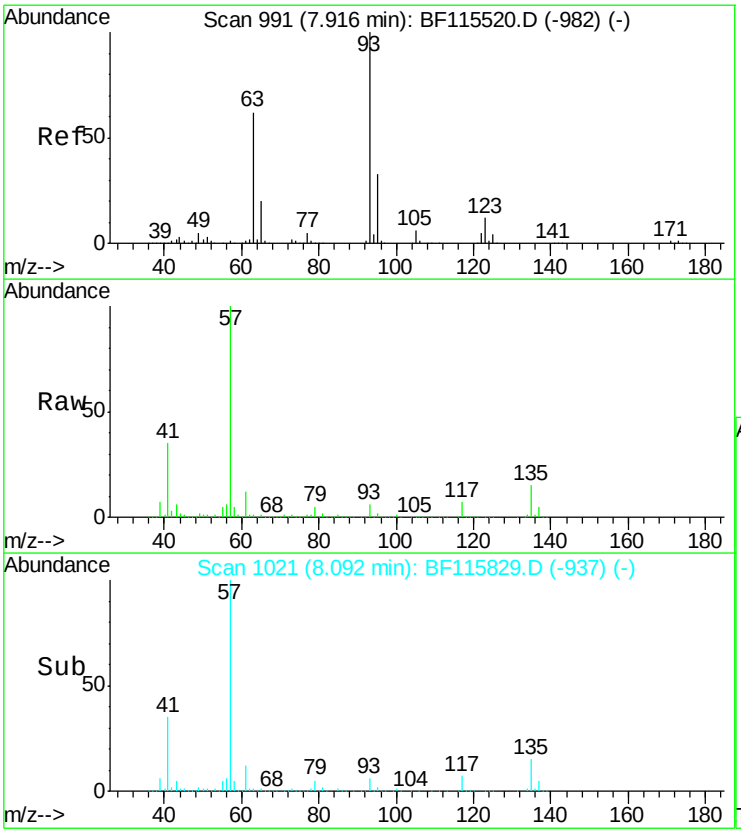

#25
Isophorone
Concen: 2.172 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.05 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 82 Resp: 42113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 5.6 | 8.4 |
| 138 | 17.7 | 14.2 | 21.4 |

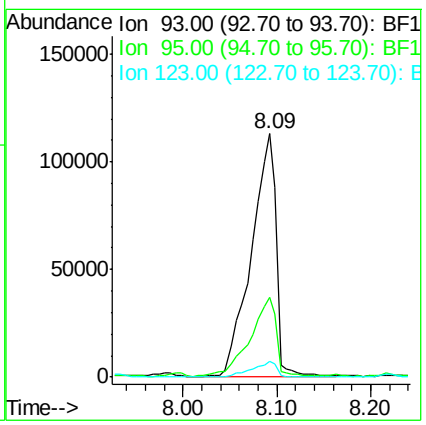


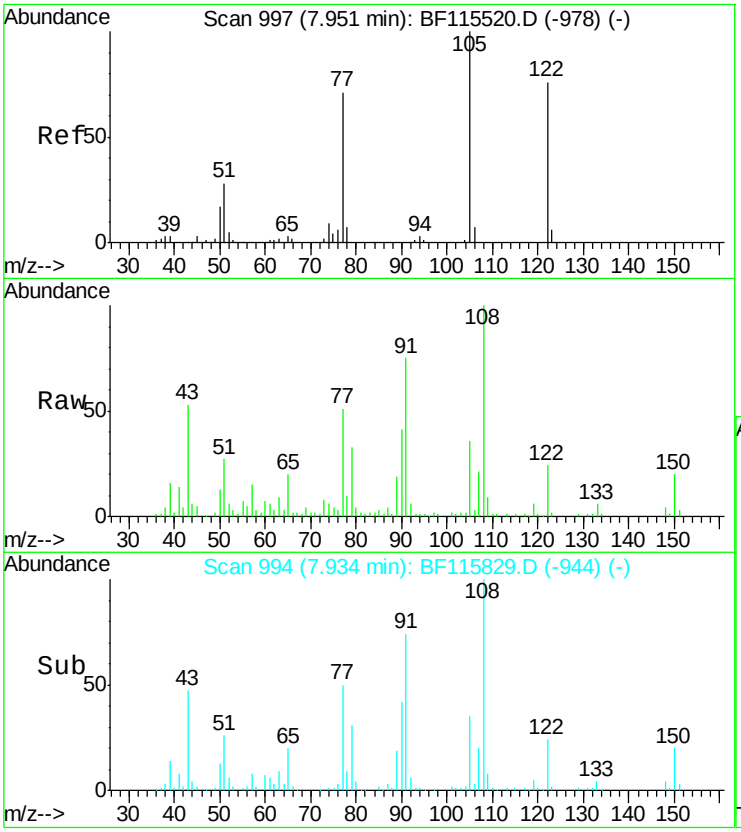




#28
bis(2-Chloroethoxy)methane
Concen: 17.593 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.19 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion: 93 Resp: 209290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.4 |
| 123 | 6.4 | 9.3 | 13.9# |



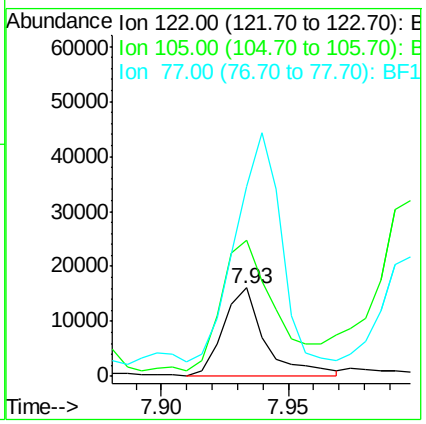


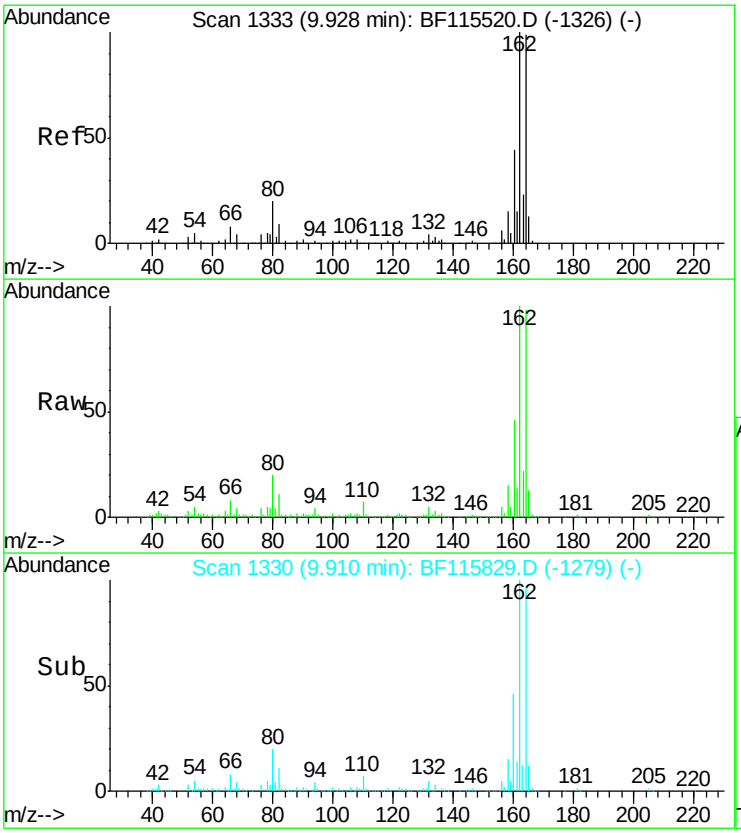

#32
Benzoic acid
Concen: 2.827 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:122 Resp: 18678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 153.5 | 102.0 | 142.0# |
| 77 | 215.0 | 73.6 | 113.6# |

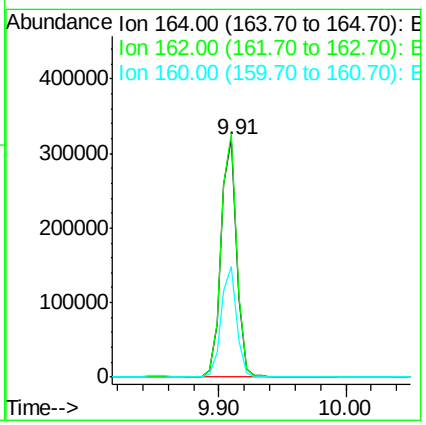


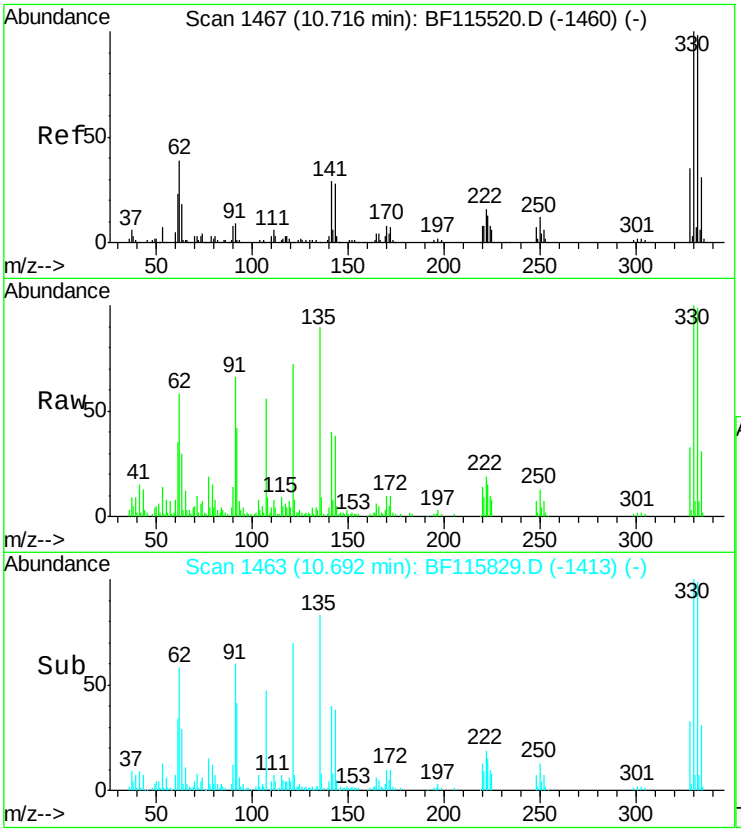




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion:164 Resp: 276898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 81.8 | 122.6 |
| 160 | 46.6 | 37.5 | 56.3 |



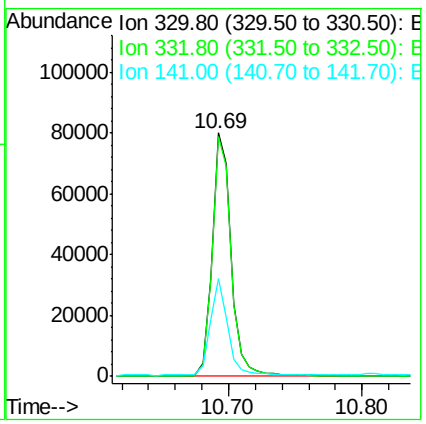


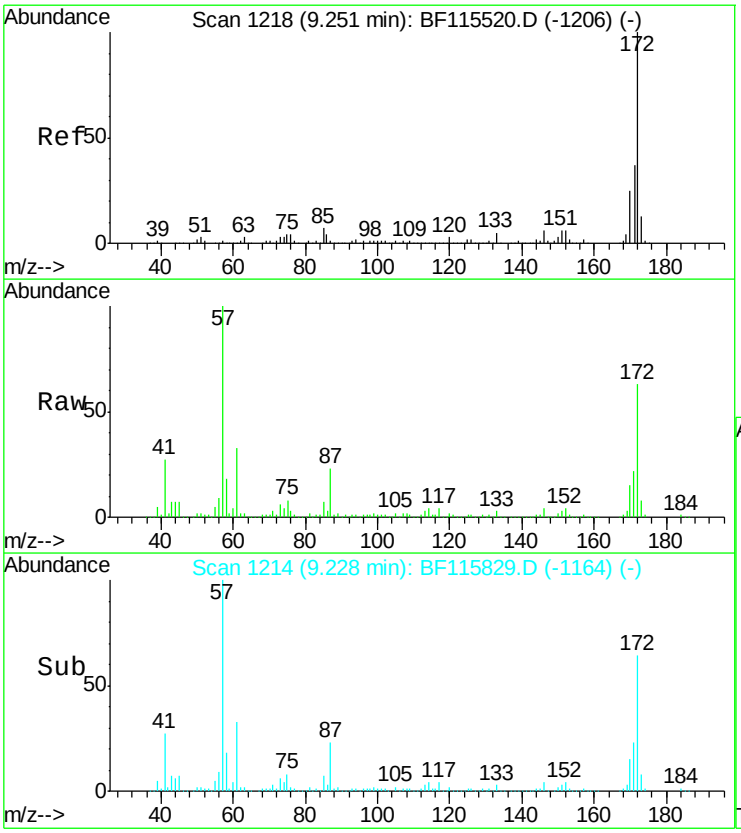

#42
2,4,6-Tribromophenol
Concen: 24.794 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:330 Resp: 80137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.3 | 76.1 | 114.1 |
| 141 | 36.9 | 25.9 | 38.9 |

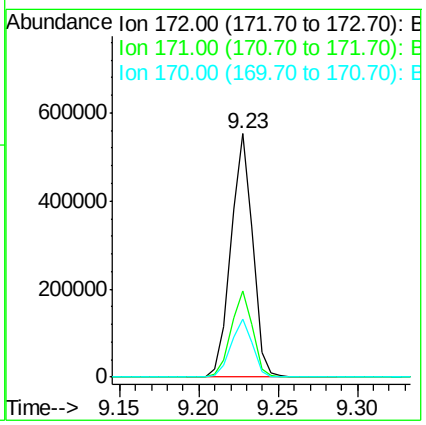


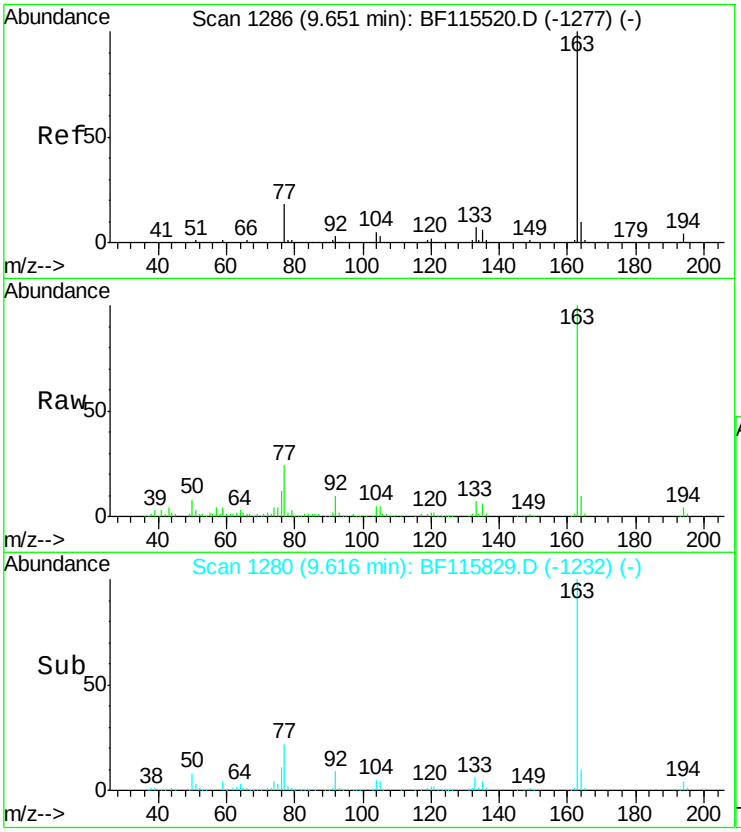




#45
2-Fluorobiphenyl
Concen: 33.094 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion:172 Resp: 523550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 29.0 | 43.4 |
| 170 | 23.9 | 20.1 | 30.1 |

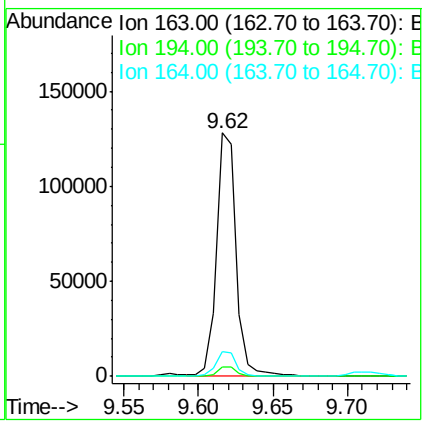




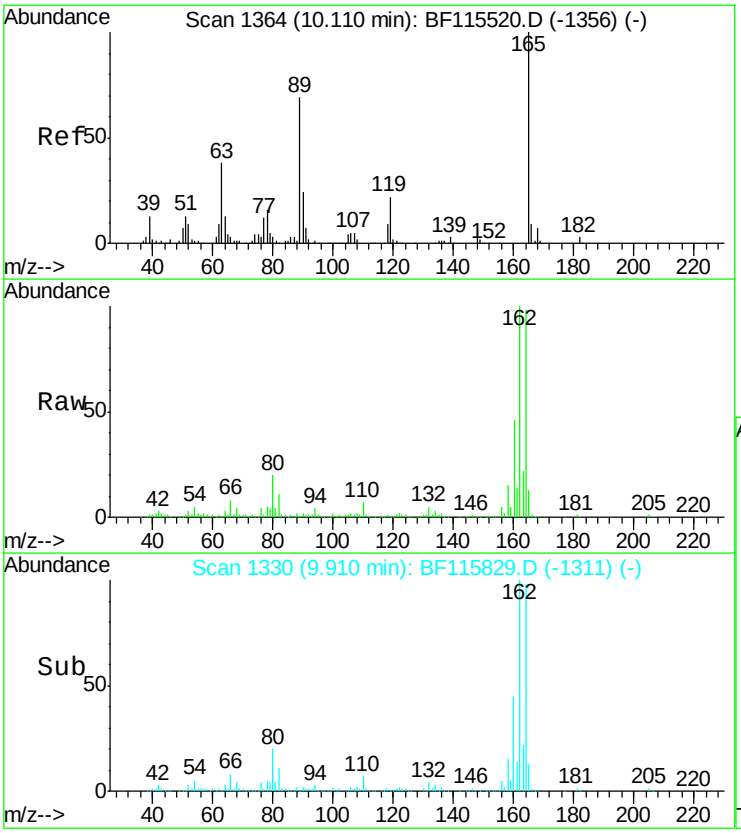

#50
Dimethylphthalate
Concen: 5.705 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion:163 Resp: 118860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.2 | 4.8 |
| 164 | 10.1 | 8.3 | 12.5 |



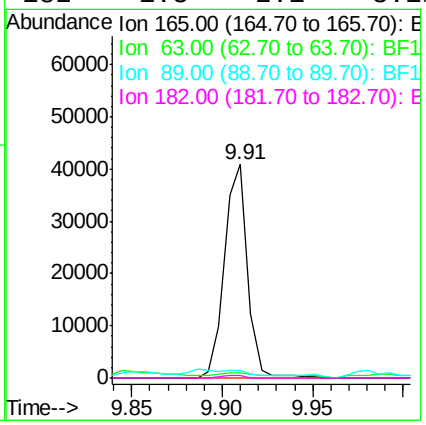

**Instrument :**
BNA_F
**ClientSampleId :**

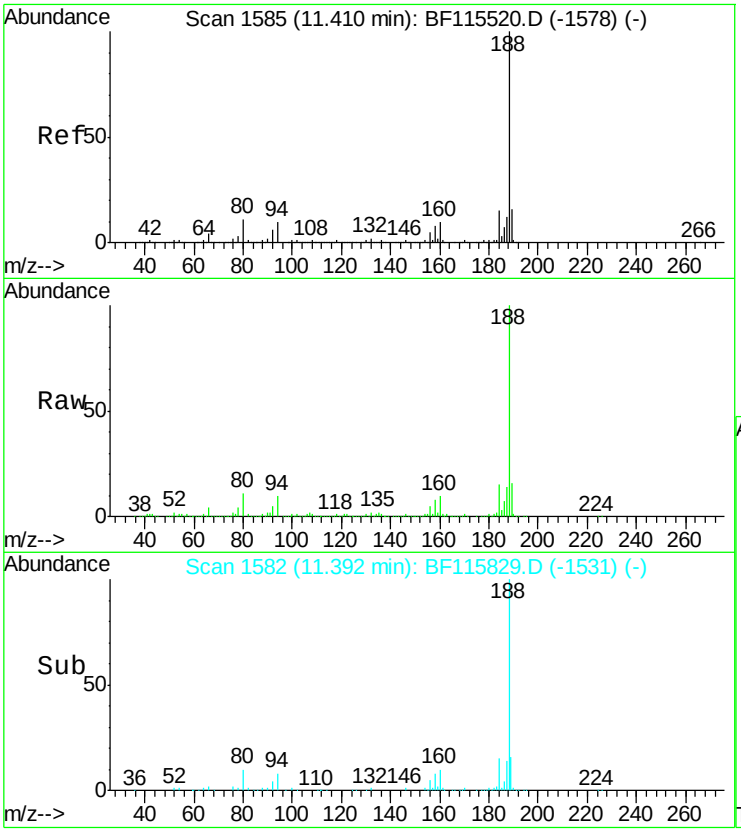



#57
2,4-Dinitrotoluene
Concen: 5.895 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.19 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion:165 Resp: 36161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.5 | 33.4 | 50.2# |
| 89 | 3.4 | 57.3 | 85.9# |
| 182 | 1.3 | 2.1 | 3.1# |



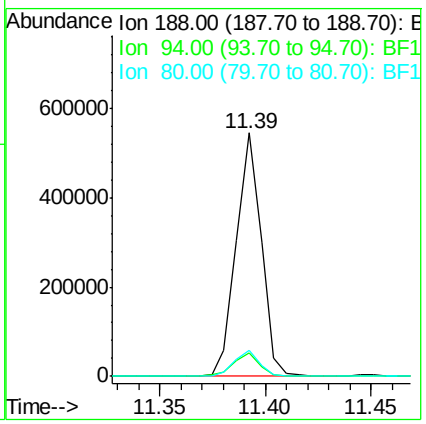


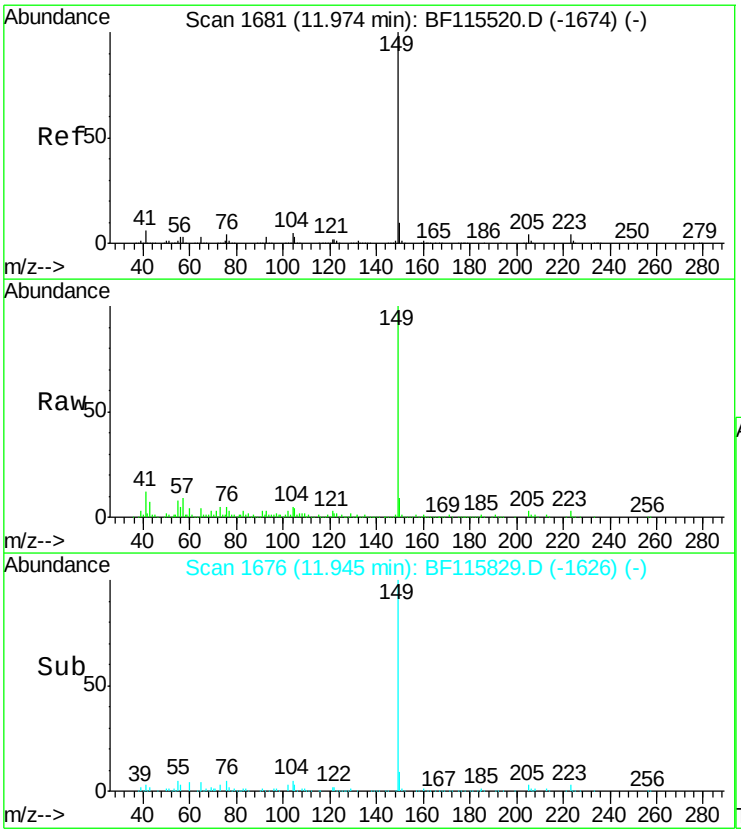

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:188 Resp: 446845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.7 | 8.2 | 12.2 |
| 80 | 10.5 | 9.0 | 13.6 |

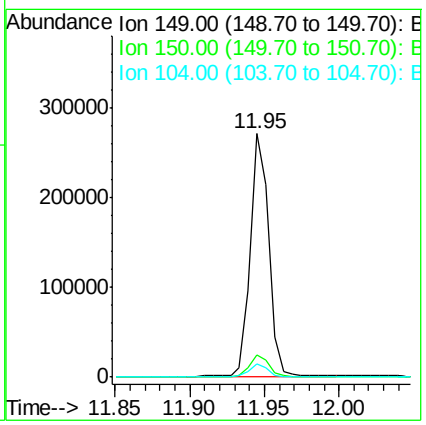


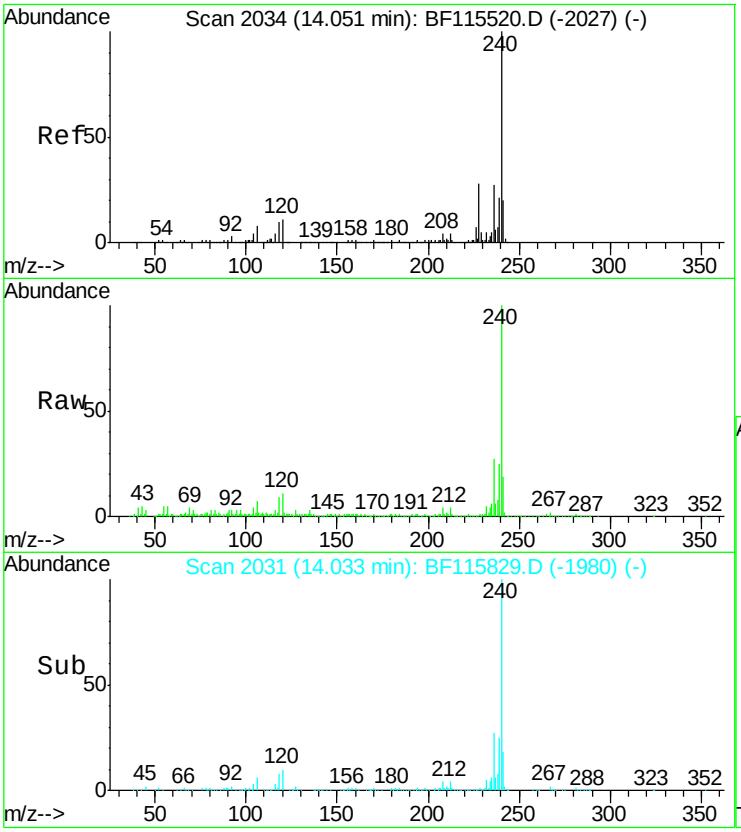




#74
Di-n-butylphthalate
Concen: 8.966 ng
RT: 11.95 min Scan# 1676
Delta R.T. -0.01 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion:149 Resp: 229255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 8.0 | 12.0 |
| 104 | 5.3 | 4.3 | 6.5 |



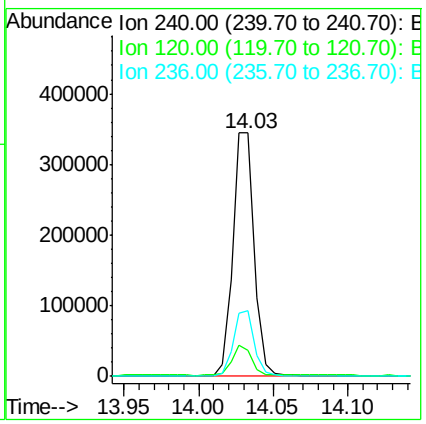


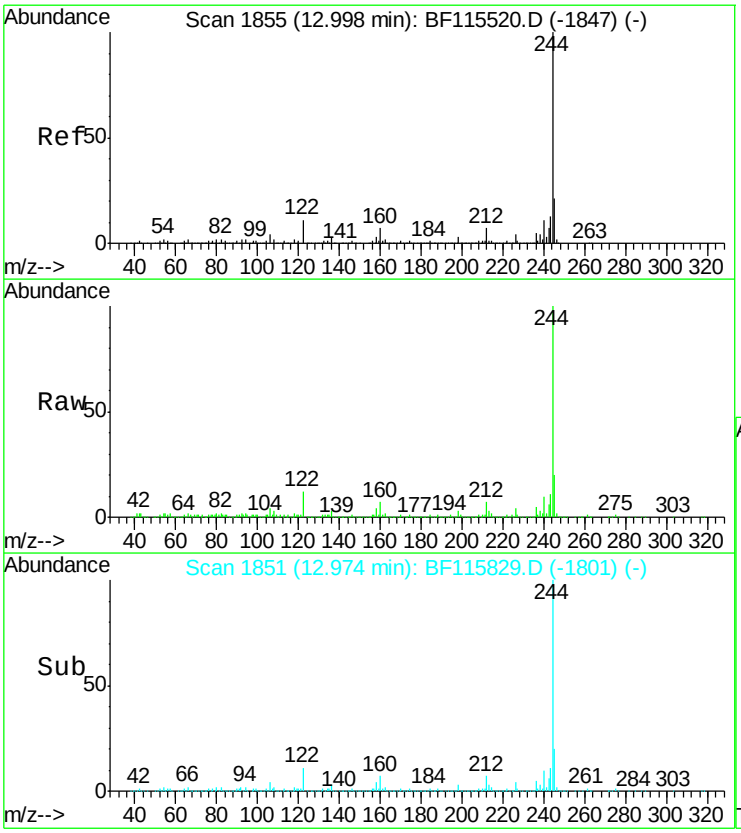

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:240 Resp: 347449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 10.0 | 15.0 |
| 236 | 27.0 | 21.8 | 32.6 |

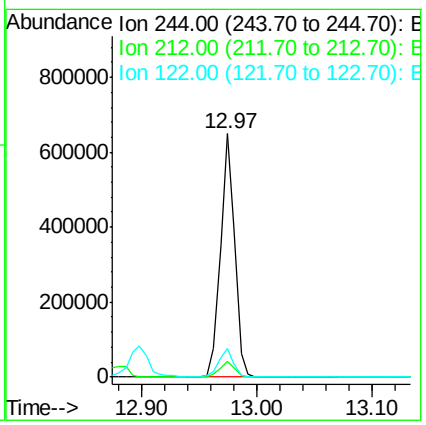


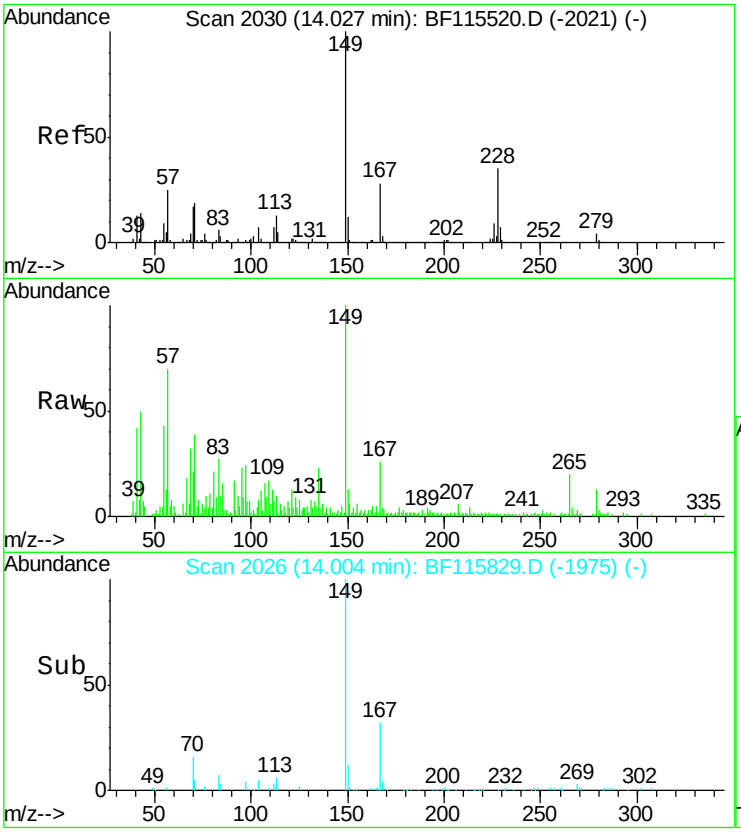




#79
Terphenyl-d14
Concen: 29.426 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion:244 Resp: 554092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.5 | 8.3 |
| 122 | 11.6 | 8.2 | 12.4 |



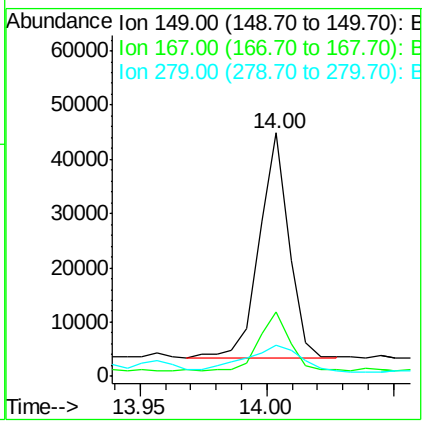


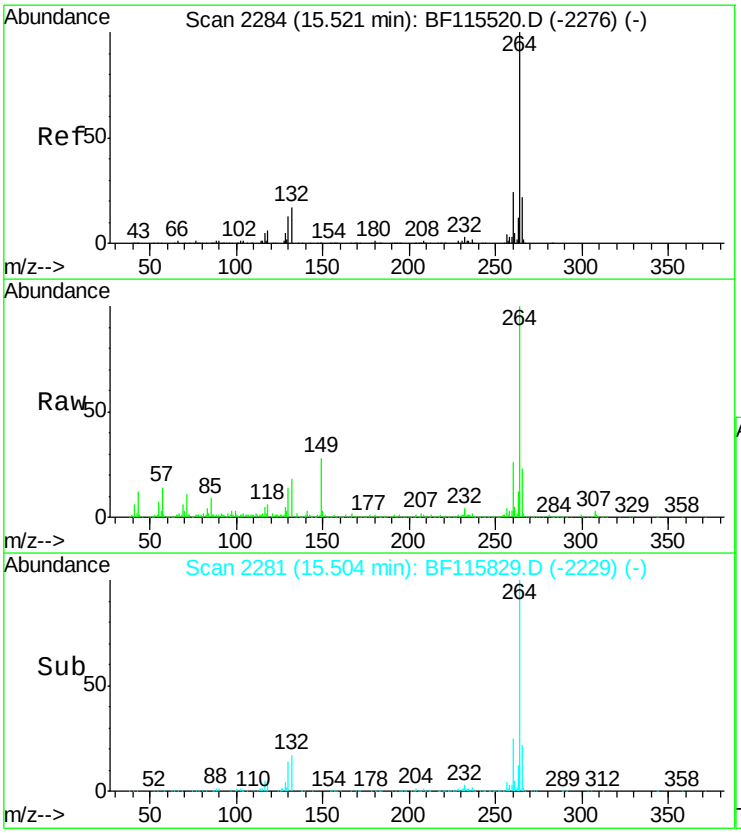

#84
Bis(2-ethylhexyl)phthalate
Concen: 2.180 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:149 Resp: 33885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.3 | 22.5 | 33.7 |
| 279 | 12.7 | 3.1 | 4.7# |




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115829.D
Acq: 27 Jul 2019 14:29

Tgt Ion:264 Resp: 426337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.5 | 19.8 | 29.6 |
| 265 | 22.6 | 17.5 | 26.3 |