Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
Data File : BF089618.D
Acq On : 5 Aug 2016 8:04
Operator : UM/SJ
Sample : H4288-24
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GW-DUP-04-072816

Quant Time: Aug 05 13:39:07 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 01:39:23 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.45 | 152 | 43186 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 9.47 | 136 | 187056 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 12.30 | 164 | 92401 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 14.69 | 188 | 178851 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 18.39 | 240 | 120176 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.05 | 264 | 88042 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 138778 | 53.86 | ng | | 0.01 |
| 7) Phenol-d6 | 6.98 | 99 | 119340 | 34.14 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.35 | 82 | 290403 | 85.87 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 13.59 | 330 | 95960 | 125.84 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.26 | 172 | 562916 | 79.17 | ng | | 0.00 |
| 78) Terphenyl-d14 | 17.05 | 244 | 480259 | 78.89 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 7.08 | 94 | 592 | 0.16 | ng | # | 1 |
| 15) Benzyl Alcohol | 7.68 | 79 | 4563 | 1.99 | ng | # | 43 |
| 19) n-Nitroso-di-n-propylamine | 8.35 | 70 | 34698 | 13.74 | ng | # | 83 |
| 24) Nitrobenzene | 8.35 | 77 | 572 | 0.18 | ng | # | 42 |
| 45) 1,1'-Biphenyl | 11.26 | 154 | 840 | 0.10 | ng | # | 1 |
| 49) Dimethylphthalate | 11.94 | 163 | 4962 | 0.69 | ng | # | 78 |
| 50) 2,6-Dinitrotoluene | 12.01 | 165 | 915 | 0.64 | ng | # | 24 |
| 59) Diethylphthalate | 13.10 | 149 | 636 | 0.08 | ng | # | 60 |
| 62) Azobenzene | 13.58 | 77 | 656 | 0.09 | ng | # | 20 |
| 65) n-Nitrosodiphenylamine | 13.58 | 169 | 3840 | 0.64 | ng | # | 39 |
| 70) Phenanthrene | 14.74 | 178 | 1385 | 0.14 | ng | # | 60 |
| 71) Anthracene | 14.74 | 178 | 1385 | 0.13 | ng | # | 60 |
| 73) Di-n-butylphthalate | 15.69 | 149 | 2377 | 0.20 | ng | # | 79 |
| 74) Fluoranthene | 16.51 | 202 | 211 | 0.02 | ng | | 63 |
| 83) Bis(2-ethylhexyl)phthalate | 18.47 | 149 | 1158 | 0.18 | ng | # | 55 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
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Acq On : 5 Aug 2016 8:04
Operator : UM/SJ
Sample : H4288-24
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Quant Time: Aug 05 13:39:07 2016
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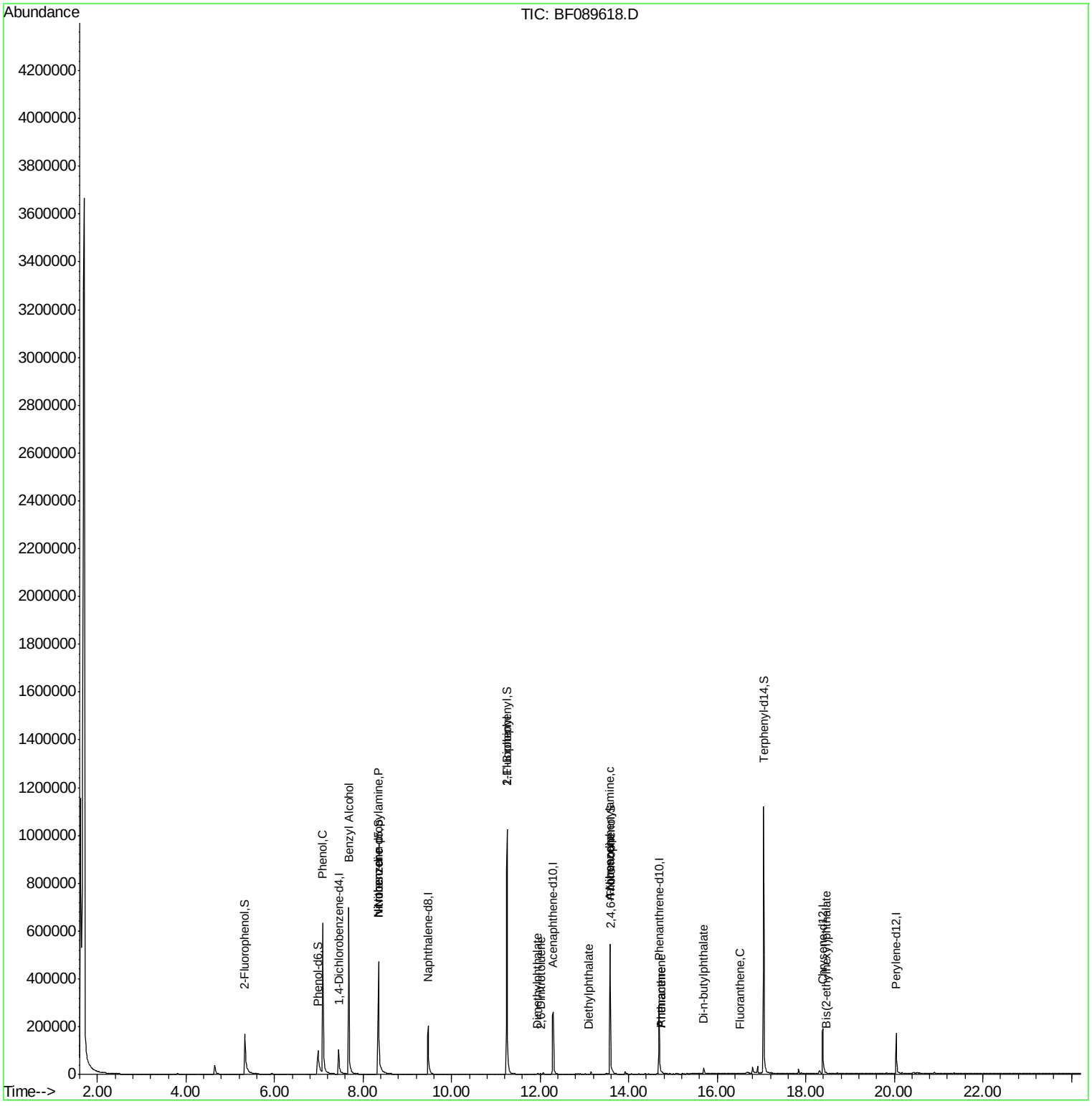
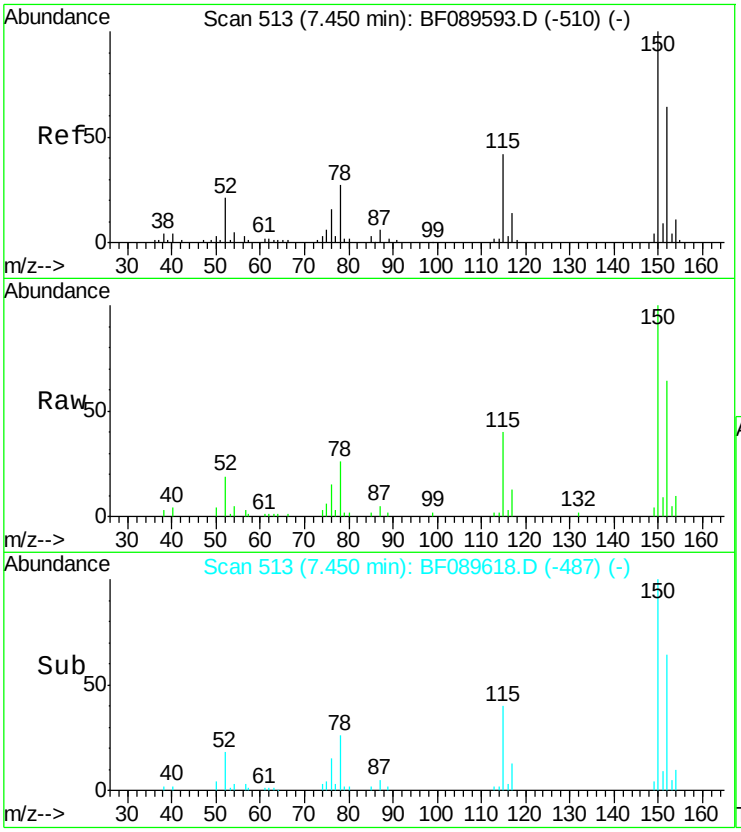


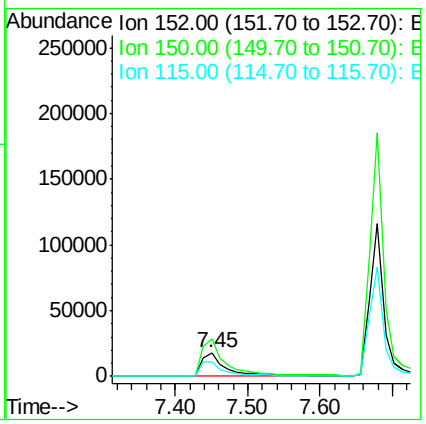


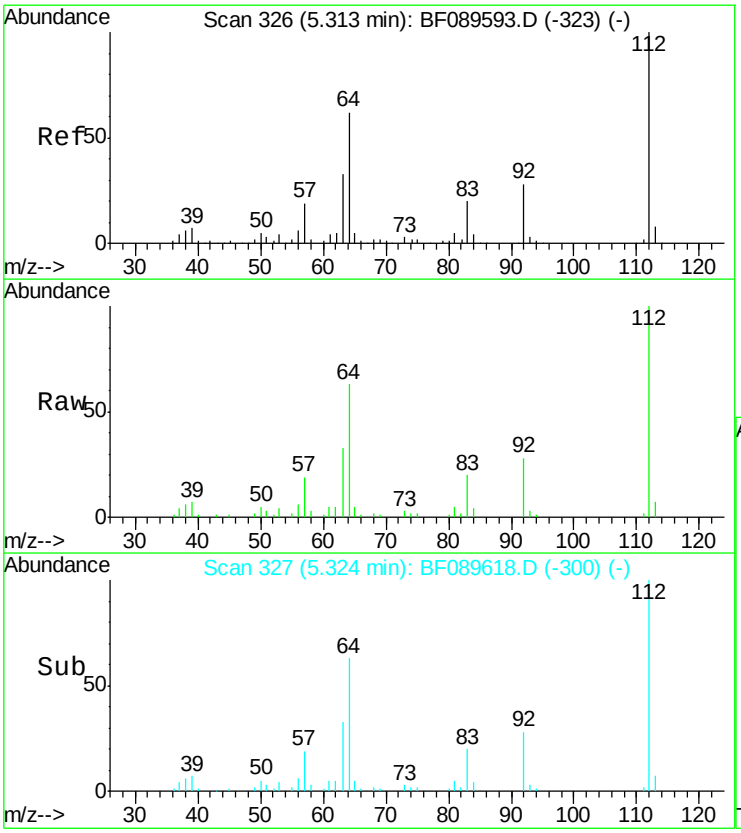

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.45 min Scan# 513
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:152 Resp: 43186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.8 | 125.5 | 188.3 |
| 115 | 63.2 | 52.0 | 78.0 |

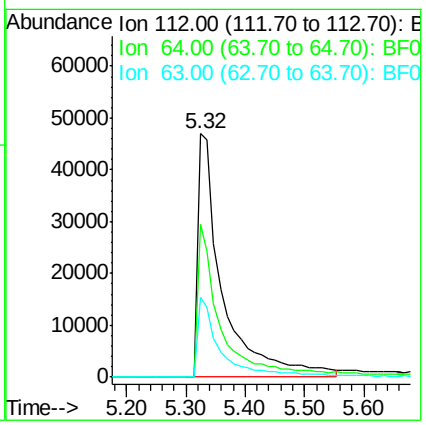


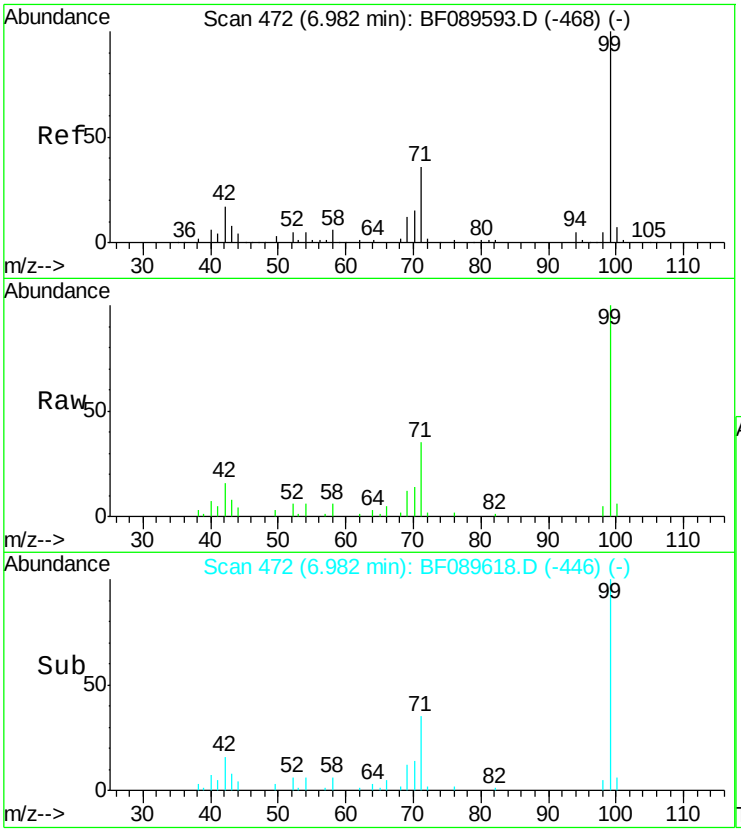




#5
2-Fluorophenol
Concen: 53.86 ng
RT: 5.32 min Scan# 327
Delta R.T. 0.01 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:112 Resp: 138778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.6 | 49.9 | 74.9 |
| 63 | 33.0 | 26.1 | 39.1 |



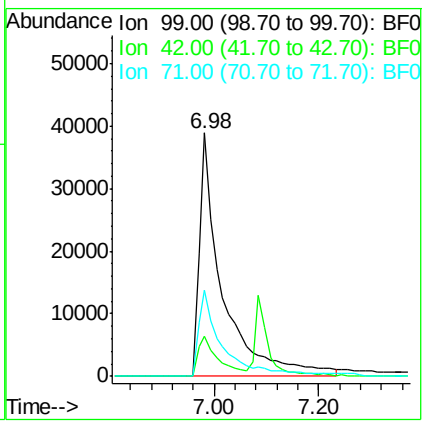


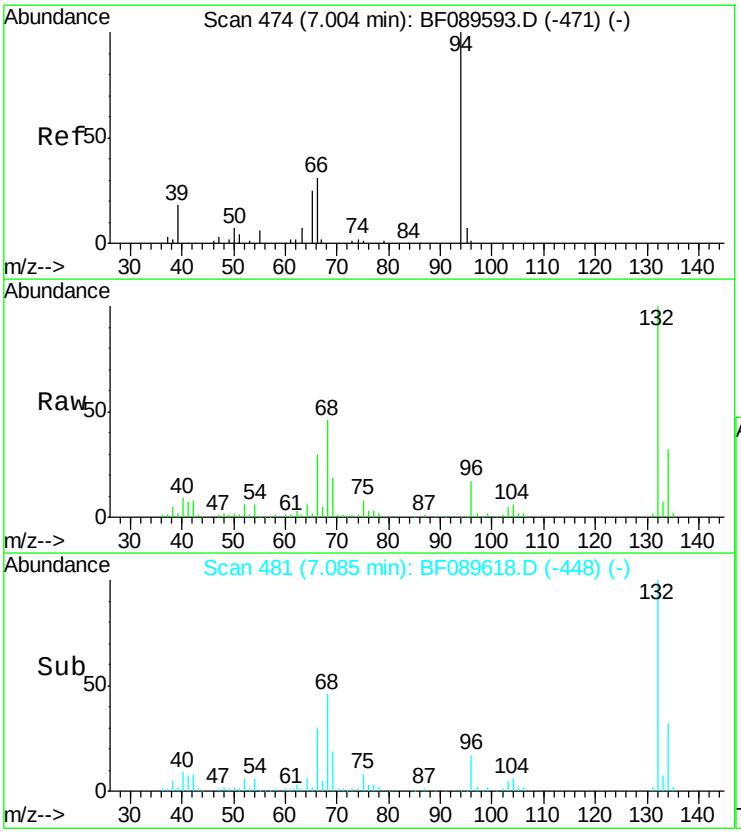

#7
Phenol-d6
Concen: 34.14 ng
RT: 6.98 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion: 99 Resp: 119340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.4 | 13.7 | 20.5 |
| 71 | 35.1 | 29.0 | 43.4 |

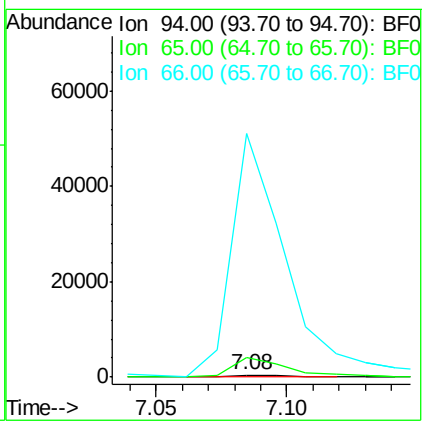


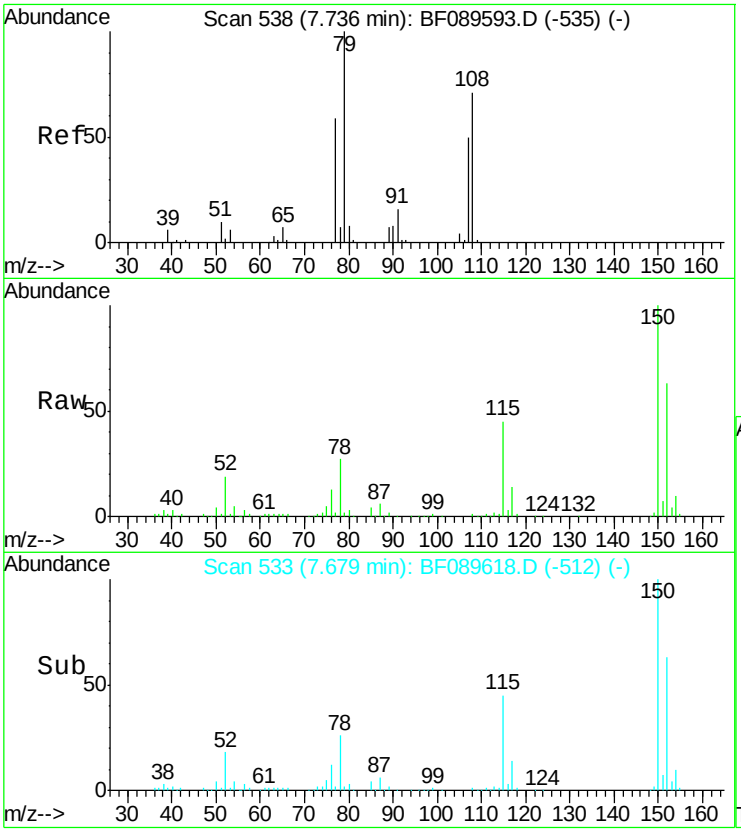




#10
Phenol
Concen: 0.16 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.08 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion: 94 Resp: 592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 924.2 | 11.0 | 51.0# |
| 66 | 11767.7 | 27.4 | 67.4# |



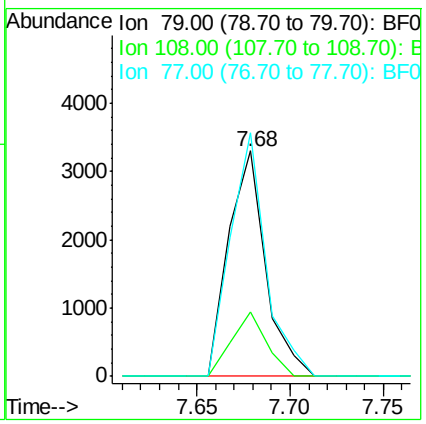


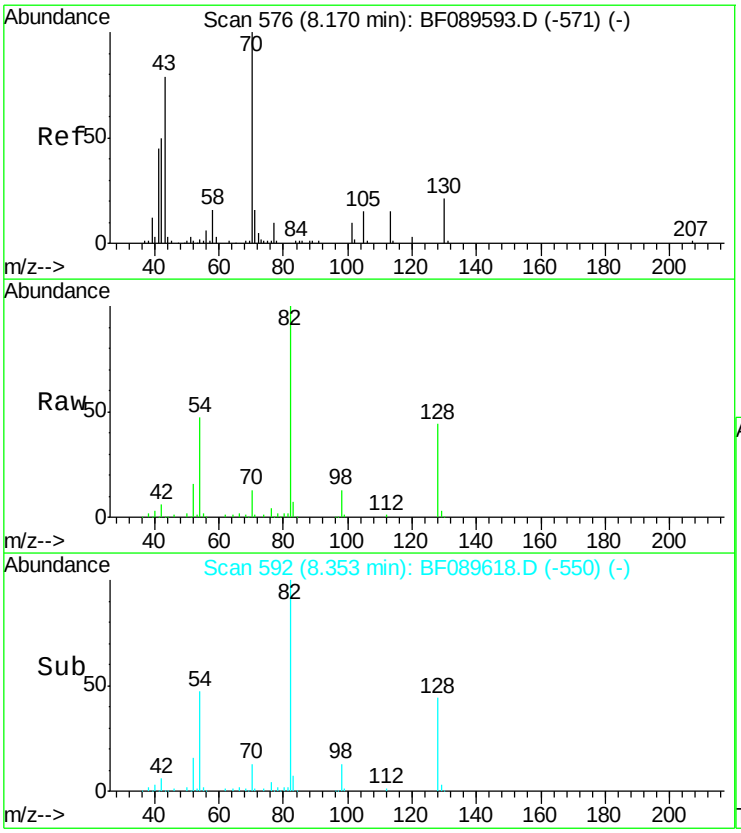

#15
Benzyl Alcohol
Concen: 1.99 ng
RT: 7.68 min Scan# 533
Delta R.T. -0.06 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion: 79 Resp: 4563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 28.8 | 58.3 | 87.5# |
| 77 | 108.1 | 48.7 | 73.1# |

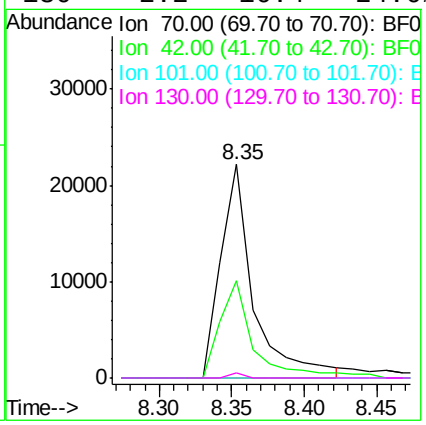


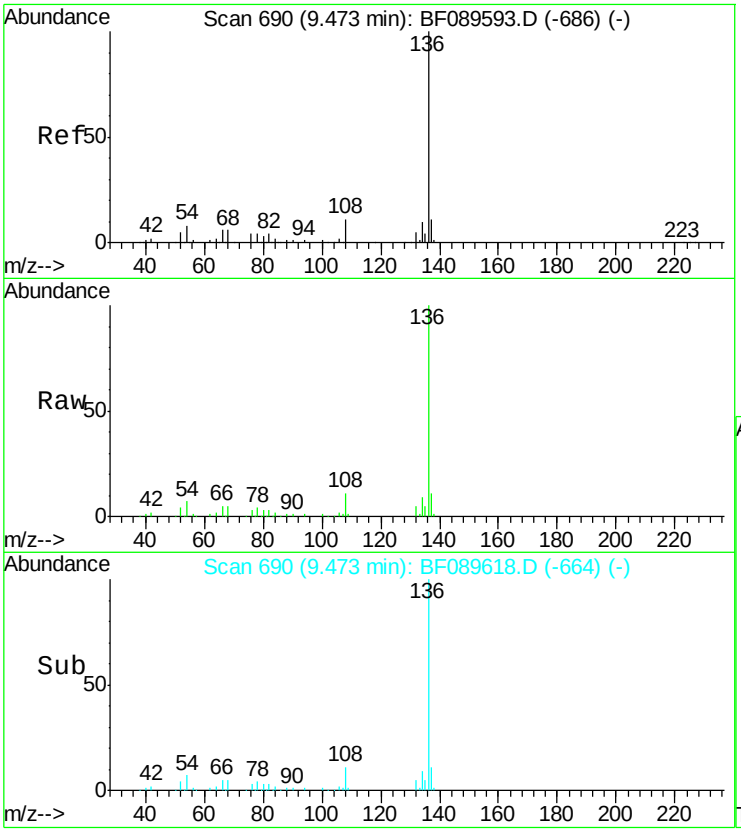




#19
n-Nitroso-di-n-propylamine
Concen: 13.74 ng
RT: 8.35 min Scan# 592
Delta R.T. 0.18 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion: 70 Resp: 34698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.5 | 40.2 | 60.2 |
| 101 | 0.0 | 7.8 | 11.6# |
| 130 | 2.2 | 16.4 | 24.6# |



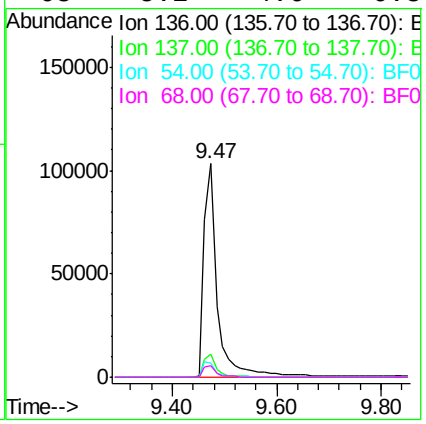


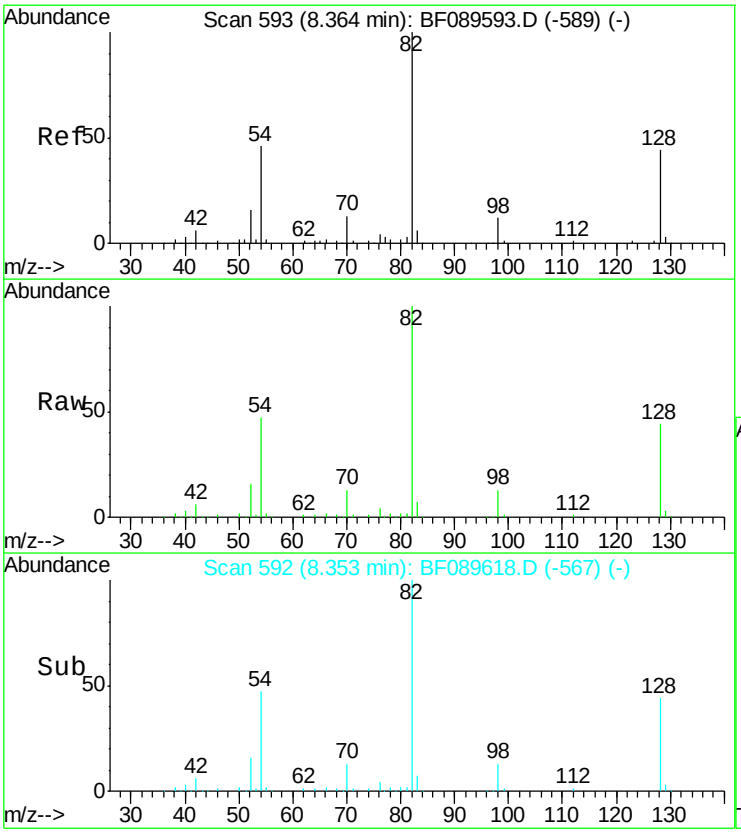

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.47 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:136 Resp: 187056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 12.8 |
| 54 | 6.6 | 6.0 | 9.0 |
| 68 | 5.2 | 4.6 | 6.8 |

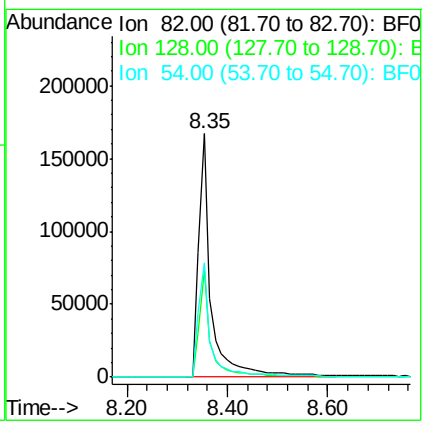


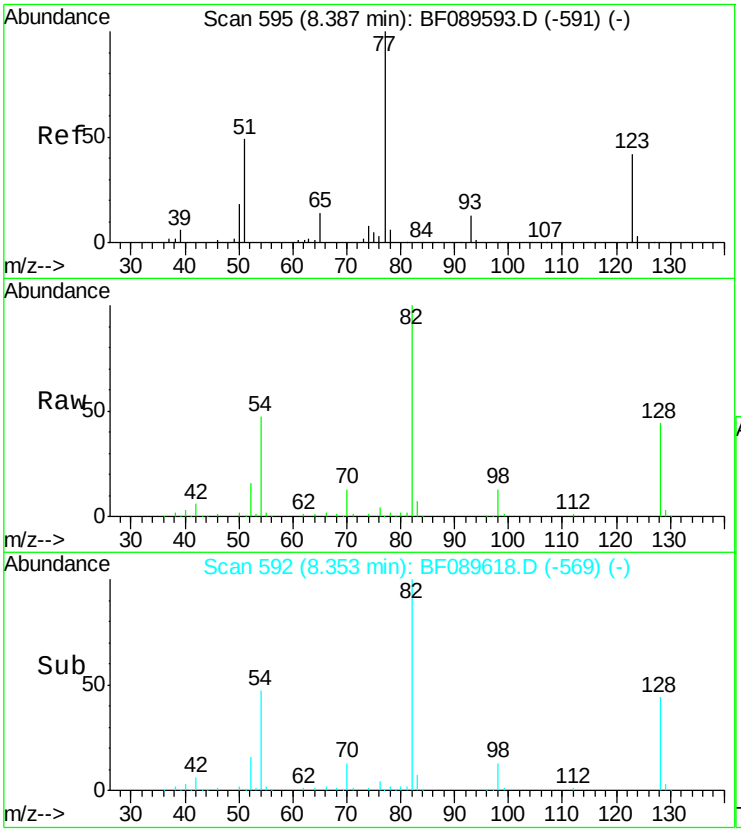




#23
Nitrobenzene-d5
Concen: 85.87 ng
RT: 8.35 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion: 82 Resp: 290403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.8 | 35.4 | 53.0 |
| 54 | 47.0 | 36.4 | 54.6 |



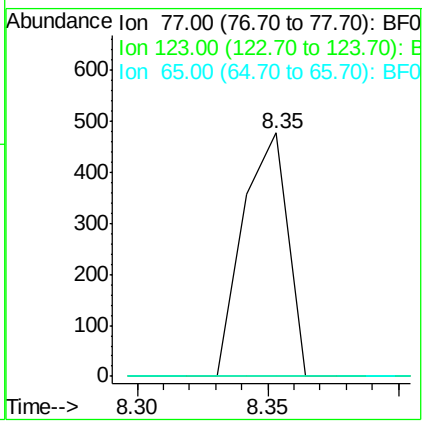


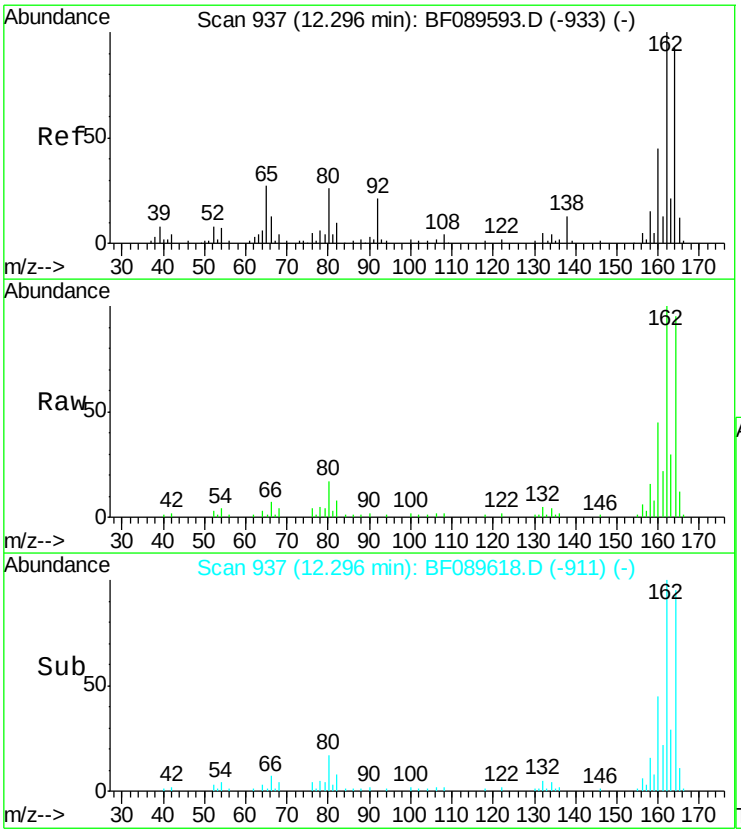

#24
Nitrobenzene
Concen: 0.18 ng
RT: 8.35 min Scan# 592
Delta R.T. -0.03 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion: 77 Resp: 572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 32.6 | 49.0# |
| 65 | 0.0 | 11.0 | 16.6# |

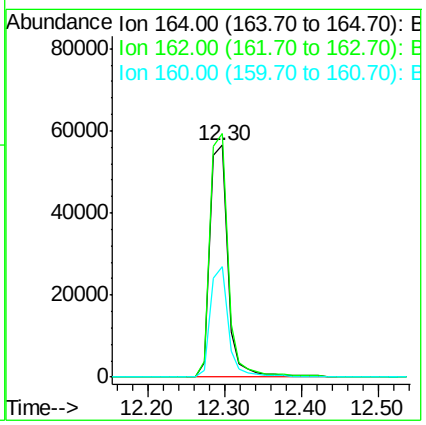


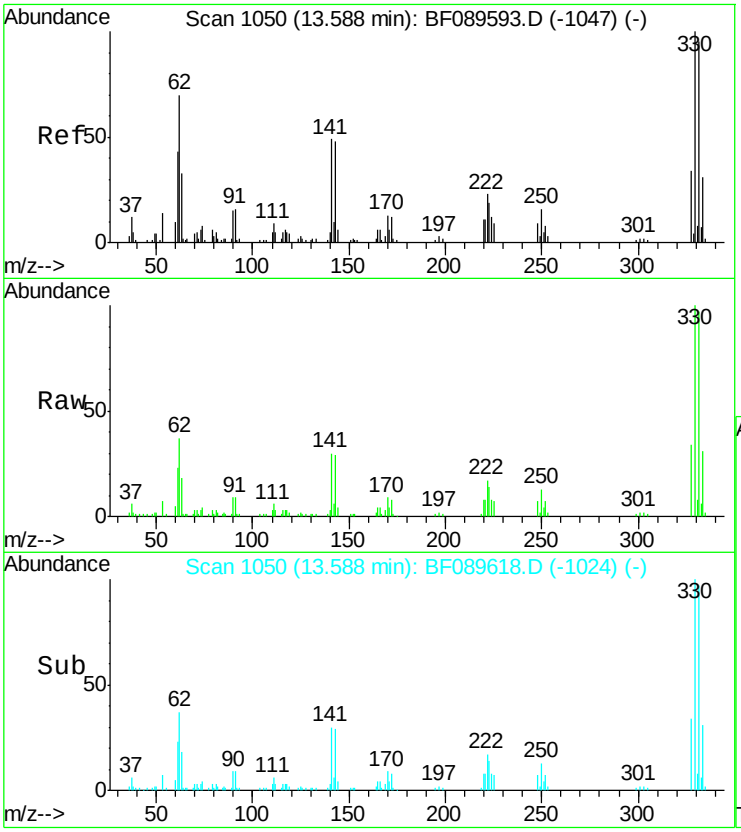




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:164 Resp: 92401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.1 | 85.7 | 128.5 |
| 160 | 47.6 | 38.2 | 57.4 |



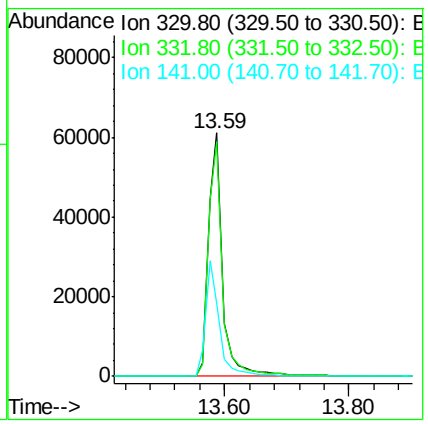


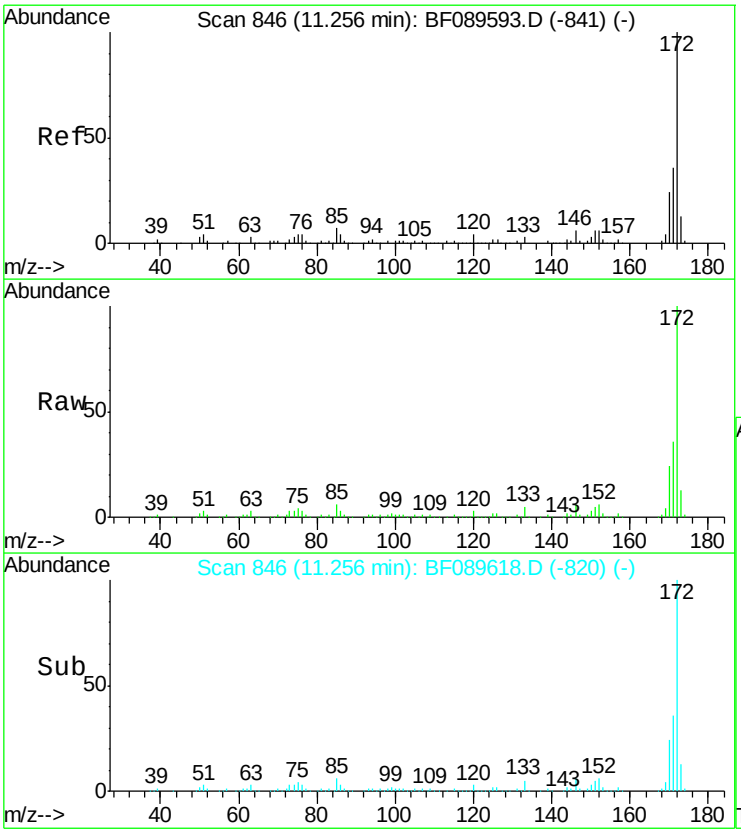

#41
2,4,6-Tribromophenol
Concen: 125.84 ng
RT: 13.59 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:330 Resp: 95960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 77.0 | 115.6 |
| 141 | 46.4 | 38.6 | 57.8 |

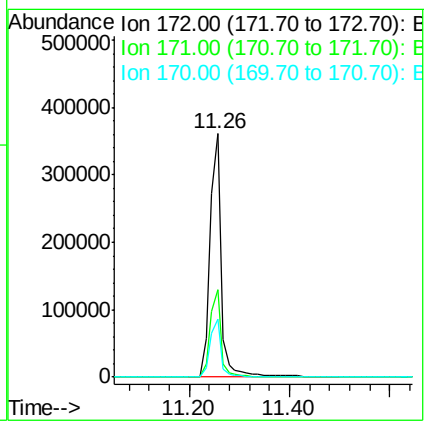


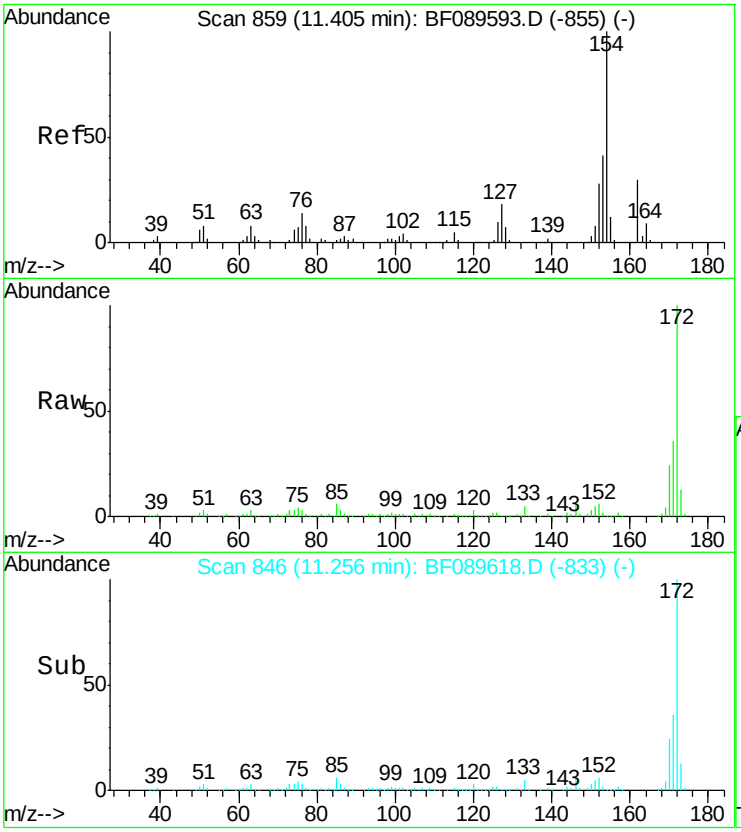




#44
2-Fluorobiphenyl
Concen: 79.17 ng
RT: 11.26 min Scan# 846
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:172 Resp: 562916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.9 | 43.3 |
| 170 | 23.7 | 19.0 | 28.6 |



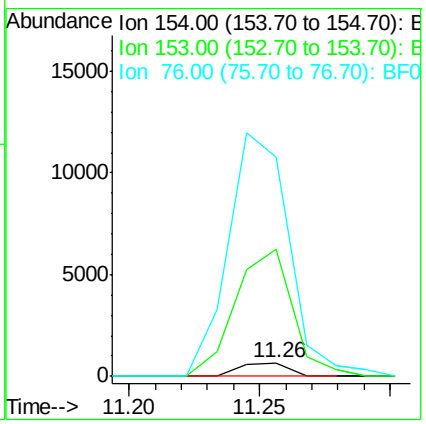


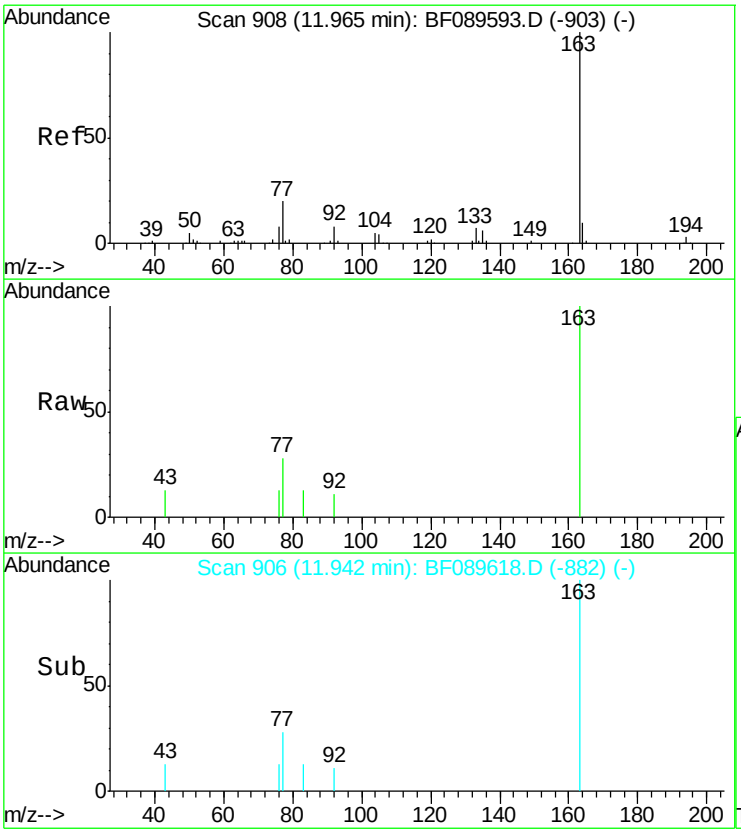

#45
1,1'-Biphenyl
Concen: 0.10 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.15 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:154 Resp: 840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 949.8 | 20.6 | 60.6# |
| 76 | 1641.8 | 0.0 | 33.7# |

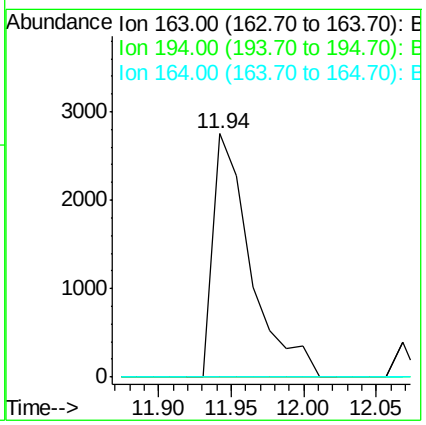


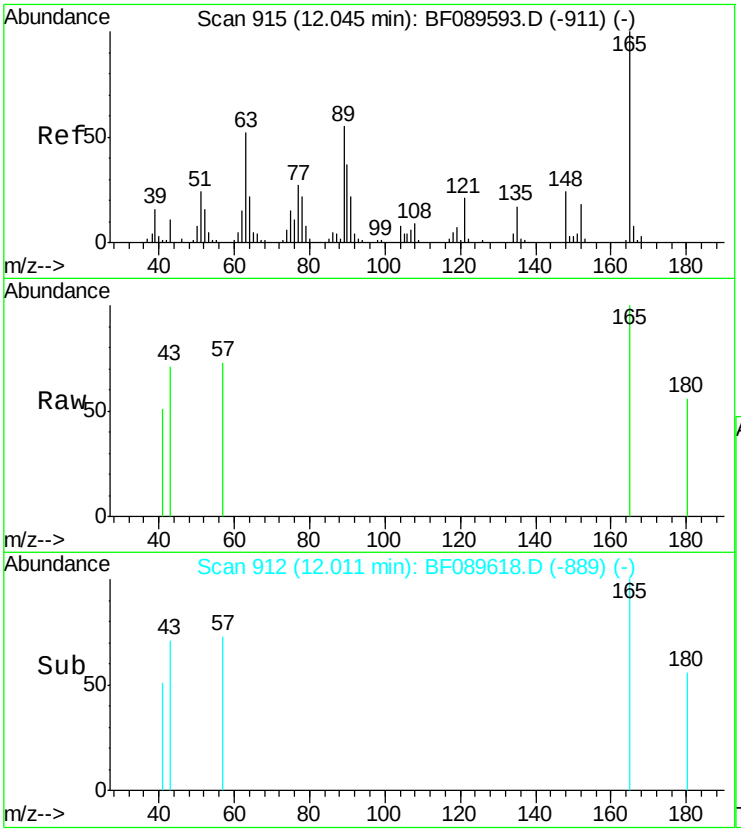




#49
Dimethylphthalate
Concen: 0.69 ng
RT: 11.94 min Scan# 906
Delta R.T. -0.02 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:163 Resp: 4962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 0.0 | 2.7 | 4.1# |
| 164 | 0.0 | 7.8 | 11.6# |



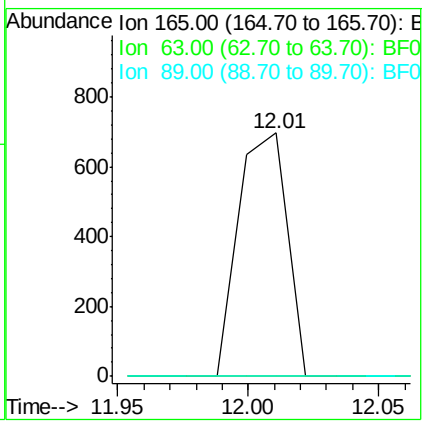


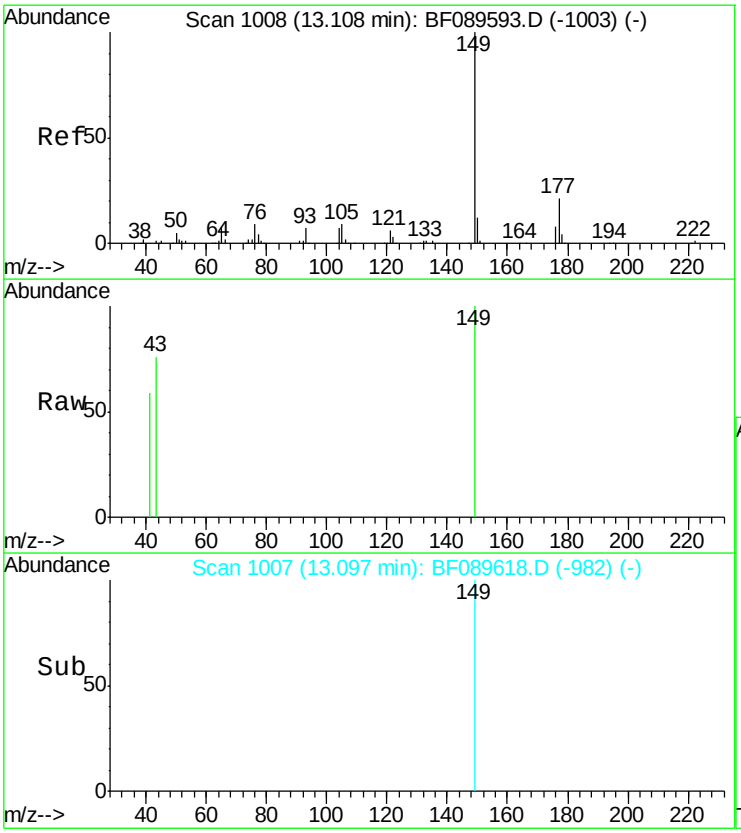

#50
2,6-Dinitrotoluene
Concen: 0.64 ng
RT: 12.01 min Scan# 912
Delta R.T. -0.03 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:165 Resp: 915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 44.6 | 67.0# |
| 89 | 0.0 | 44.2 | 66.2# |

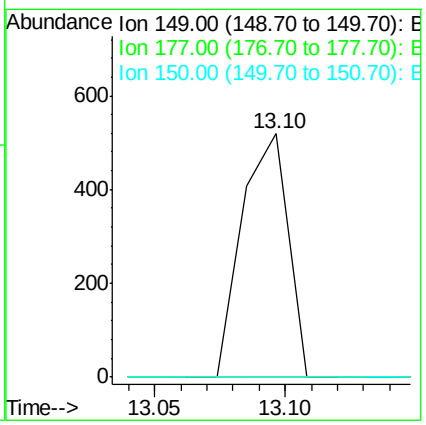


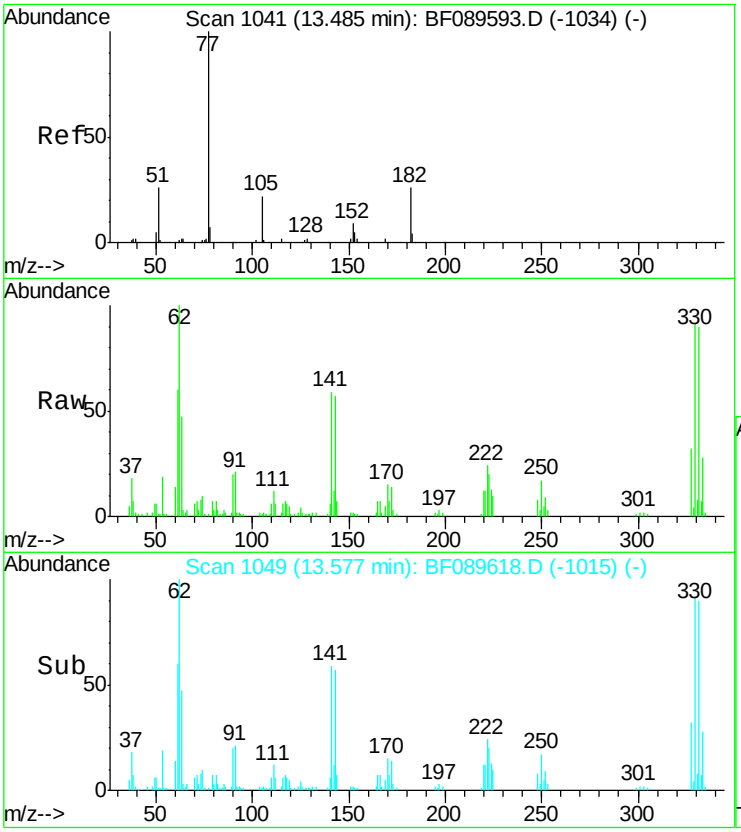




#59
Diethylphthalate
Concen: 0.08 ng
RT: 13.10 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:149 Resp: 636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 0.0 | 16.8 | 25.2# |
| 150 | 0.0 | 9.6 | 14.4# |



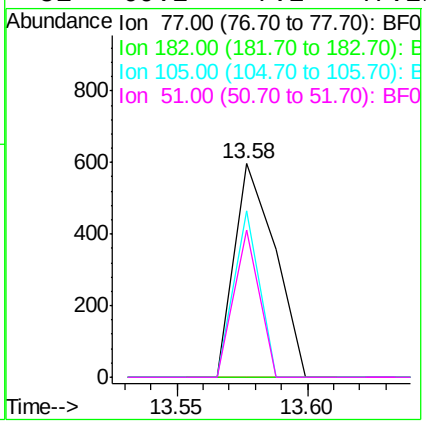


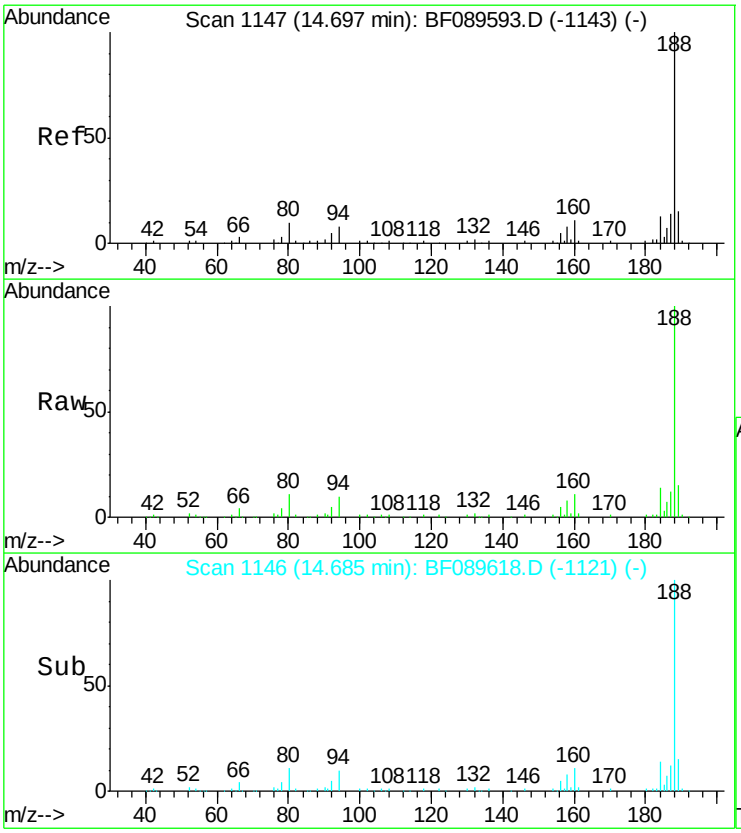

#62
Azobenzene
Concen: 0.09 ng
RT: 13.58 min Scan# 1049
Delta R.T. 0.09 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion: 77 Resp: 656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 0.0 | 5.8 | 45.8# |
| 105 | 77.7 | 2.9 | 42.9# |
| 51 | 69.2 | 7.2 | 47.2# |

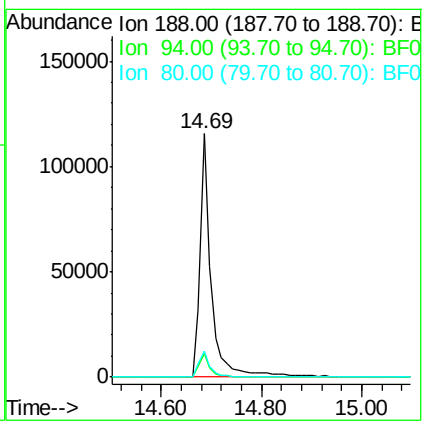


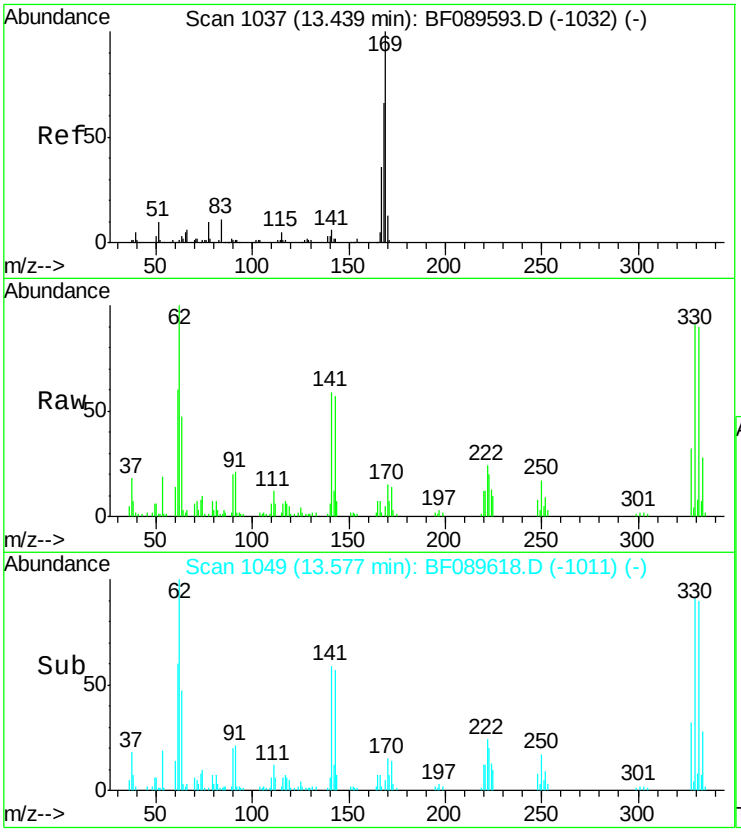




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:188 Resp: 178851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 6.5 | 9.7 |
| 80 | 10.9 | 8.0 | 12.0 |



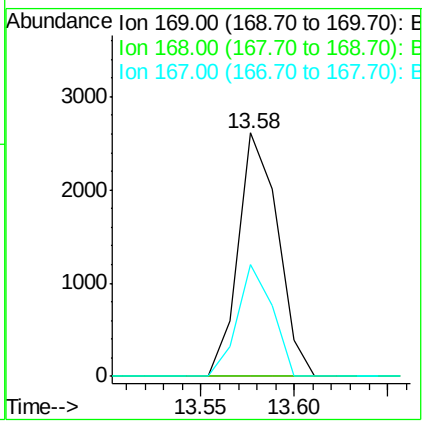


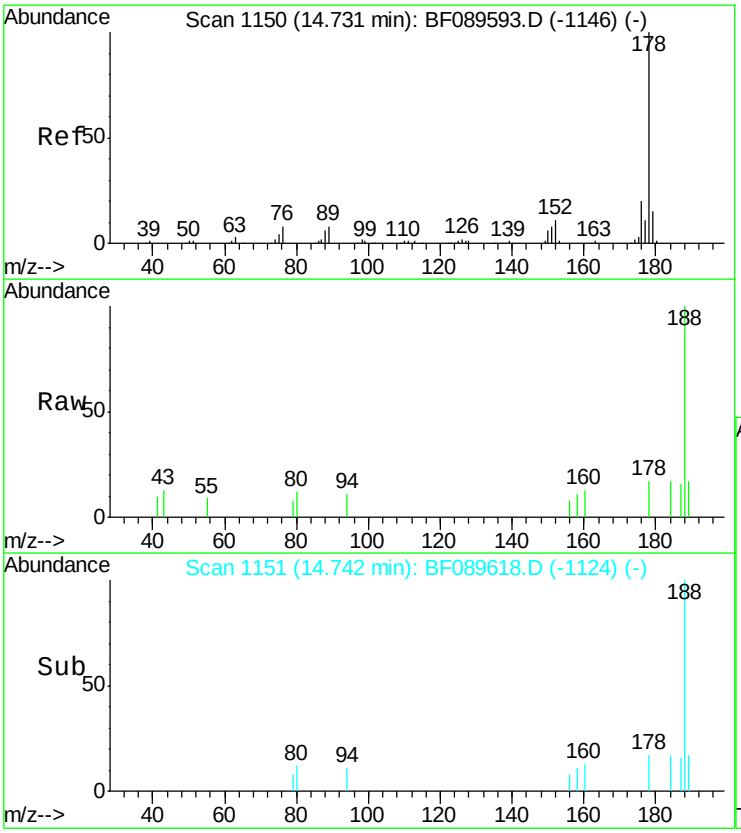

#65
n-Nitrosodiphenylamine
Concen: 0.64 ng
RT: 13.58 min Scan# 1049
Delta R.T. 0.14 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:169 Resp: 3840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 0.0 | 54.2 | 81.2# |
| 167 | 45.9 | 28.9 | 43.3# |

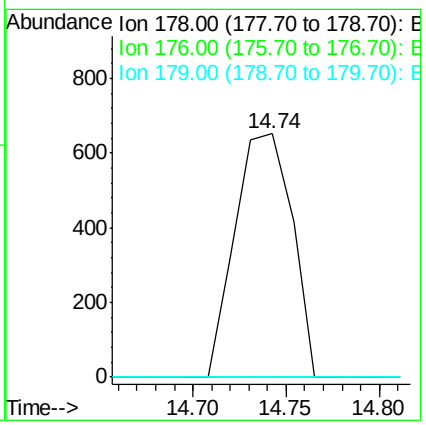


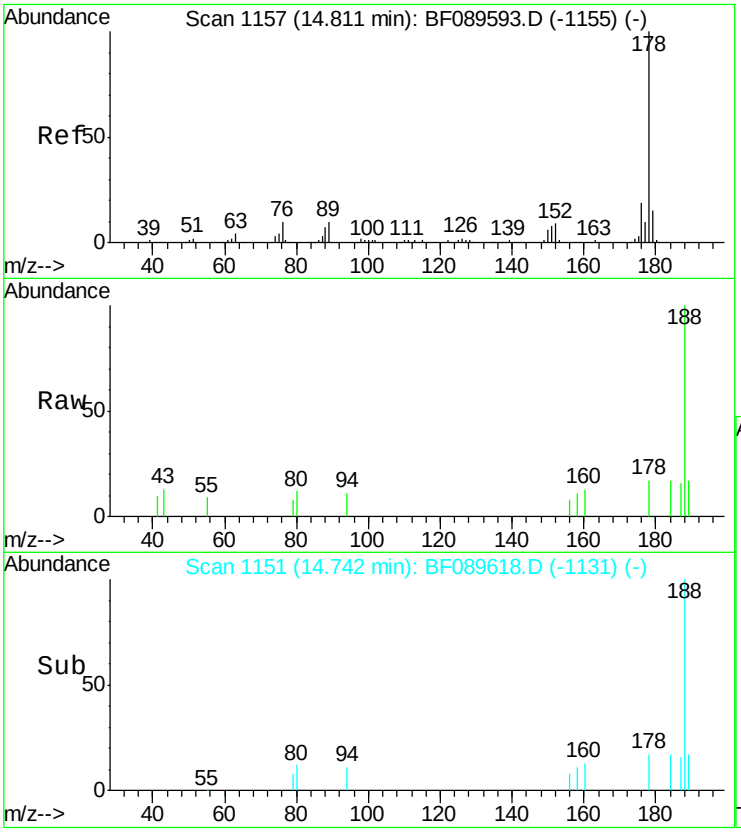




#70
Phenanthrene
Concen: 0.14 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:178 Resp: 1385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 15.7 | 23.5# |
| 179 | 0.0 | 12.2 | 18.2# |



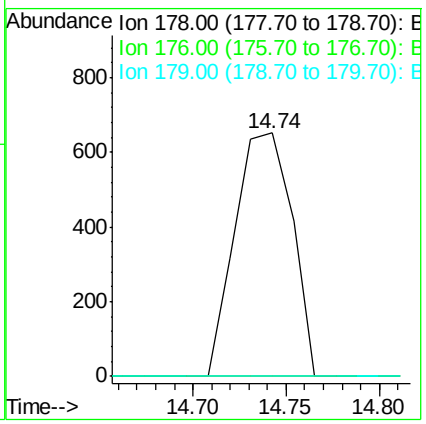


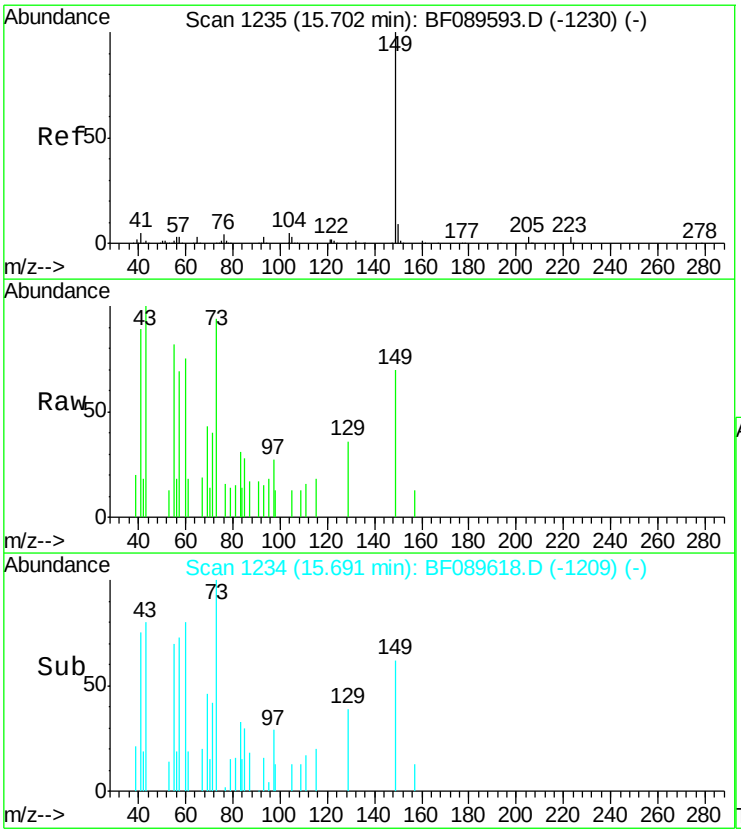

#71
Anthracene
Concen: 0.13 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.07 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:178 Resp: 1385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 15.0 | 22.4# |
| 179 | 0.0 | 12.4 | 18.6# |

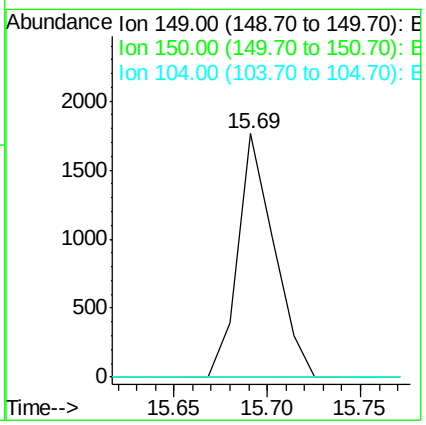


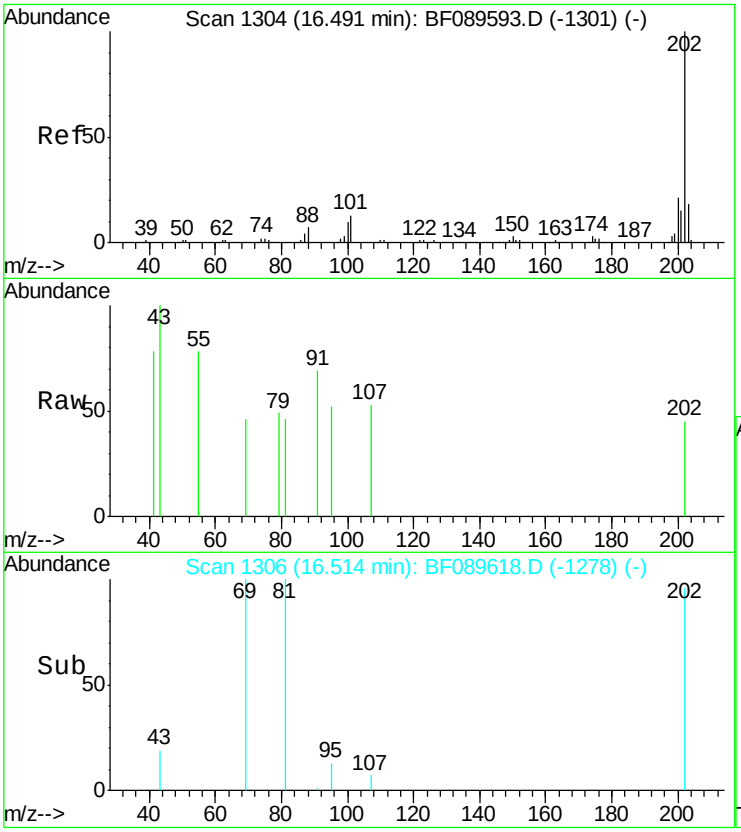




#73
Di-n-butylphthalate
Concen: 0.20 ng
RT: 15.69 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:149 Resp: 2377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 0.0 | 7.2 | 10.8# |
| 104 | 0.0 | 3.8 | 5.8# |



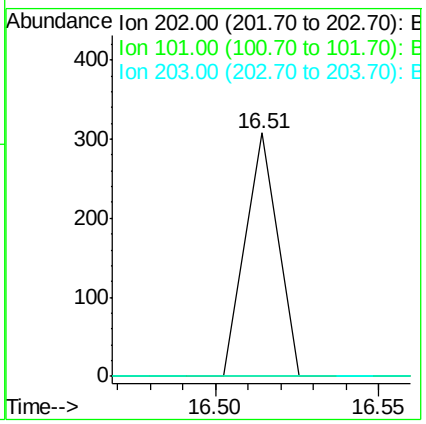


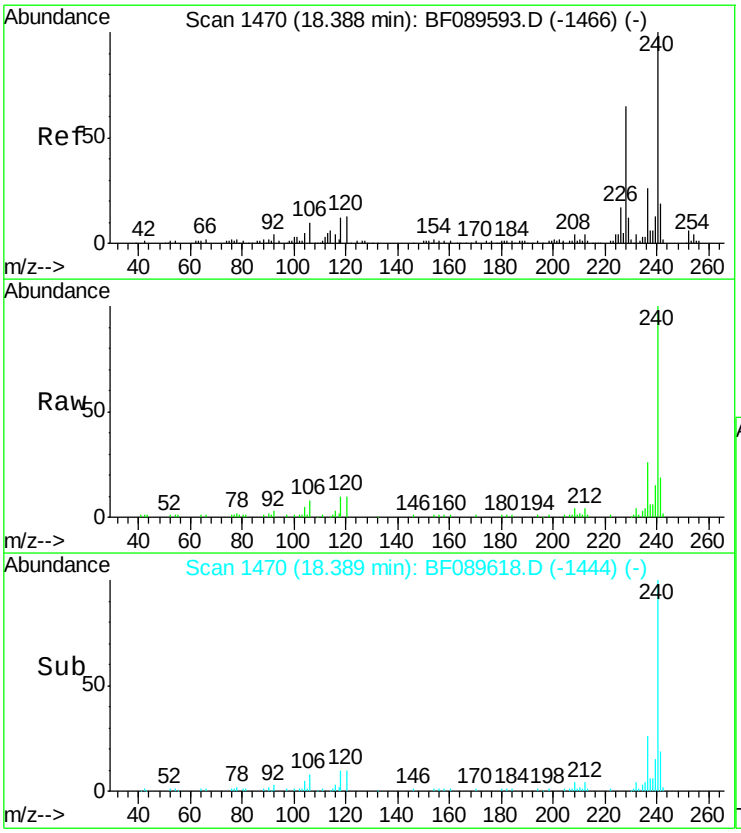

#74
Fluoranthene
Concen: 0.02 ng
RT: 16.51 min Scan# 1306
Delta R.T. 0.02 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:202 Resp: 211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 0.0 | 32.7 |
| 203 | 0.0 | 0.0 | 37.8 |

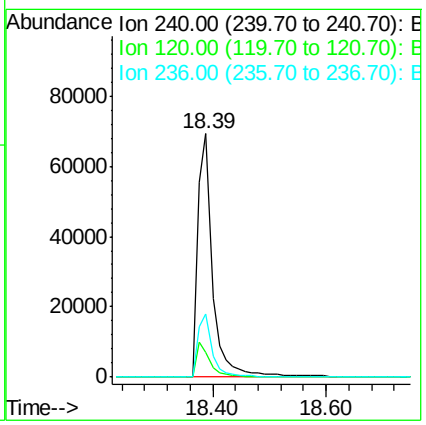


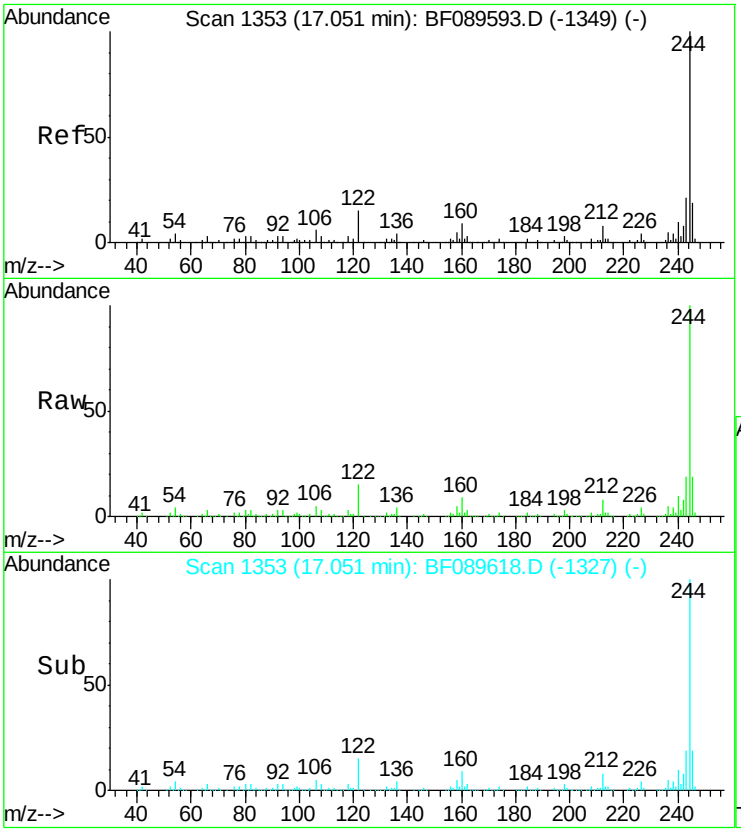




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.39 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:240 Resp: 120176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 10.6 | 15.8# |
| 236 | 26.0 | 20.6 | 30.8 |



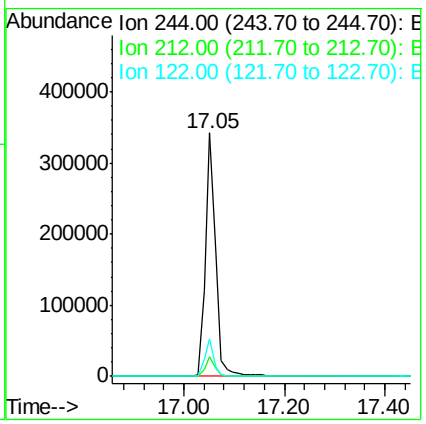


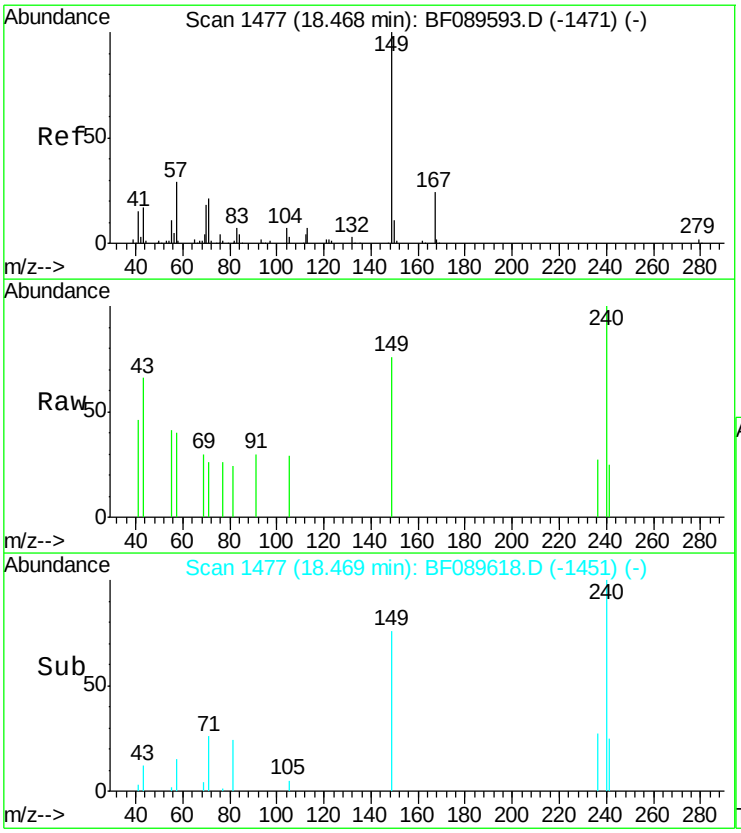

#78
Terphenyl-d14
Concen: 78.89 ng
RT: 17.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:244 Resp: 480259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.2 | 6.4 | 9.6 |
| 122 | 15.2 | 12.2 | 18.2 |

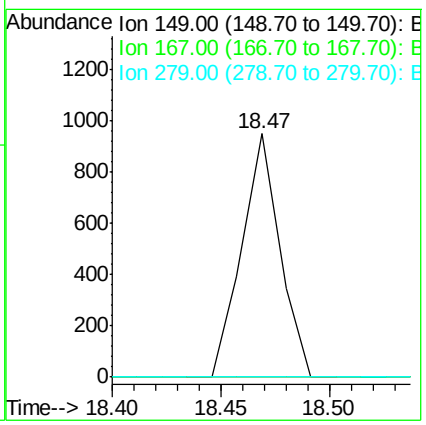


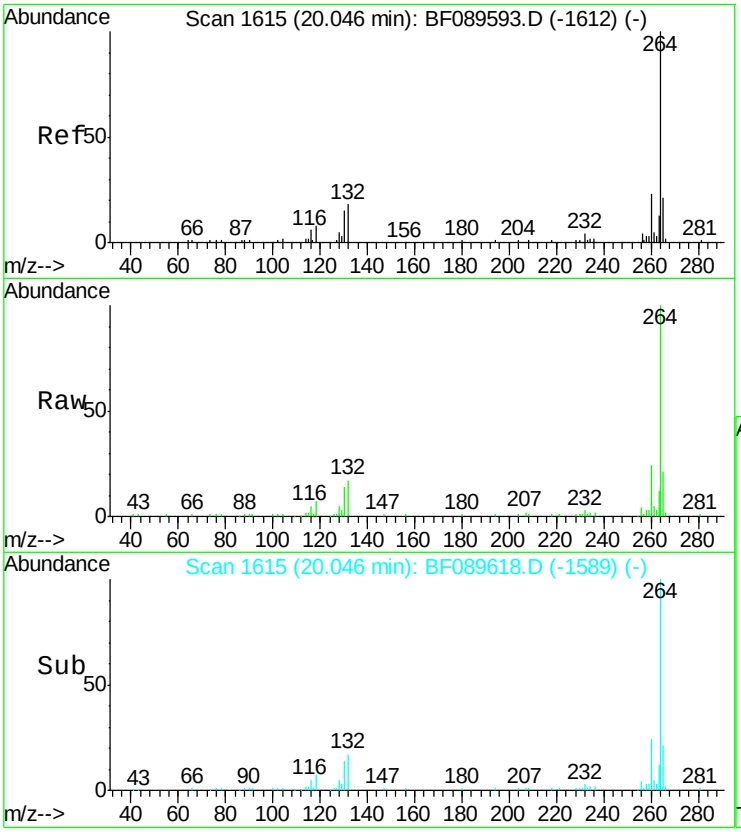




#83
Bis(2-ethylhexyl)phthalate
Concen: 0.18 ng
RT: 18.47 min Scan# 1477
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

Tgt Ion:149 Resp: 1158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 19.0 | 28.4# |
| 279 | 0.0 | 1.8 | 2.6# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 20.05 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF089618.D
Acq: 5 Aug 2016 8:04

**Instrument :**
BNA_F
**ClientSampleId :**
GW-DUP-04-072816

Tgt Ion:264 Resp: 88042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.7 | 28.1 |
| 265 | 21.3 | 16.5 | 24.7 |