Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087392.D
Acq On : 26 May 2016 3:03
Operator : UM/SJ
Sample : H3212-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** VE1-2

Quant Time: May 26 04:23:04 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 110490 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 9.55 | 136 | 416785 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 12.39 | 164 | 158652 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 14.81 | 188 | 239657 | 20.00 | ng | 0.03 |
| 75) Chrysene-d12 | 18.50 | 240 | 215110 | 20.00 | ng | 0.02 |
| 86) Perylene-d12 | 20.16 | 264 | 152178 | 20.00 | ng | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 408554 | 64.97 | ng | 0.02 |
| 7) Phenol-d6 | 7.10 | 99 | 335061 | 39.44 | ng | 0.02 |
| 23) Nitrobenzene-d5 | 8.44 | 82 | 800832 | 96.84 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.71 | 330 | 197401 | 129.48 | ng | 0.03 |
| 44) 2-Fluorobiphenyl | 11.34 | 172 | 1088880 | 96.76 | ng | 0.00 |
| 78) Terphenyl-d14 | 17.17 | 244 | 837595 | 82.78 | ng | 0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.64 | 88 | 116194 | 35.02 | ng | # 22 |
| 15) Benzyl Alcohol | 7.76 | 79 | 15114 | 2.44 | ng | # 41 |
| 20) 3+4-Methylphenols | 8.34 | 107 | 27342 | 3.60 | ng | # 55 |
| 32) Benzoic acid | 9.50 | 122 | 466 | 5.95 | ng | # 1 |
| 35) Caprolactam | 10.38 | 113 | 4043 | 2.48 | ng | # 1 |
| 47) 2-Nitroaniline | 11.78 | 65 | 12299 | 3.34 | ng | # 25 |
| 49) Dimethylphthalate | 12.05 | 163 | 40245 | 3.17 | ng | # 86 |
| 53) 2,4-Dinitrophenol | 12.53 | 184 | 2384 | 8.22 | ng | # 1 |
| 55) 4-Nitrophenol | 12.72 | 139 | 42121 | 33.60 | ng | # 1 |
| 59) Diethylphthalate | 13.22 | 149 | 59788 | 4.84 | ng | # 57 |
| 61) 4-Nitroaniline | 13.34 | 138 | 9856 | 4.02 | ng | # 1 |
| 65) n-Nitrosodiphenylamine | 13.51 | 169 | 26057 | 3.36 | ng | # 47 |

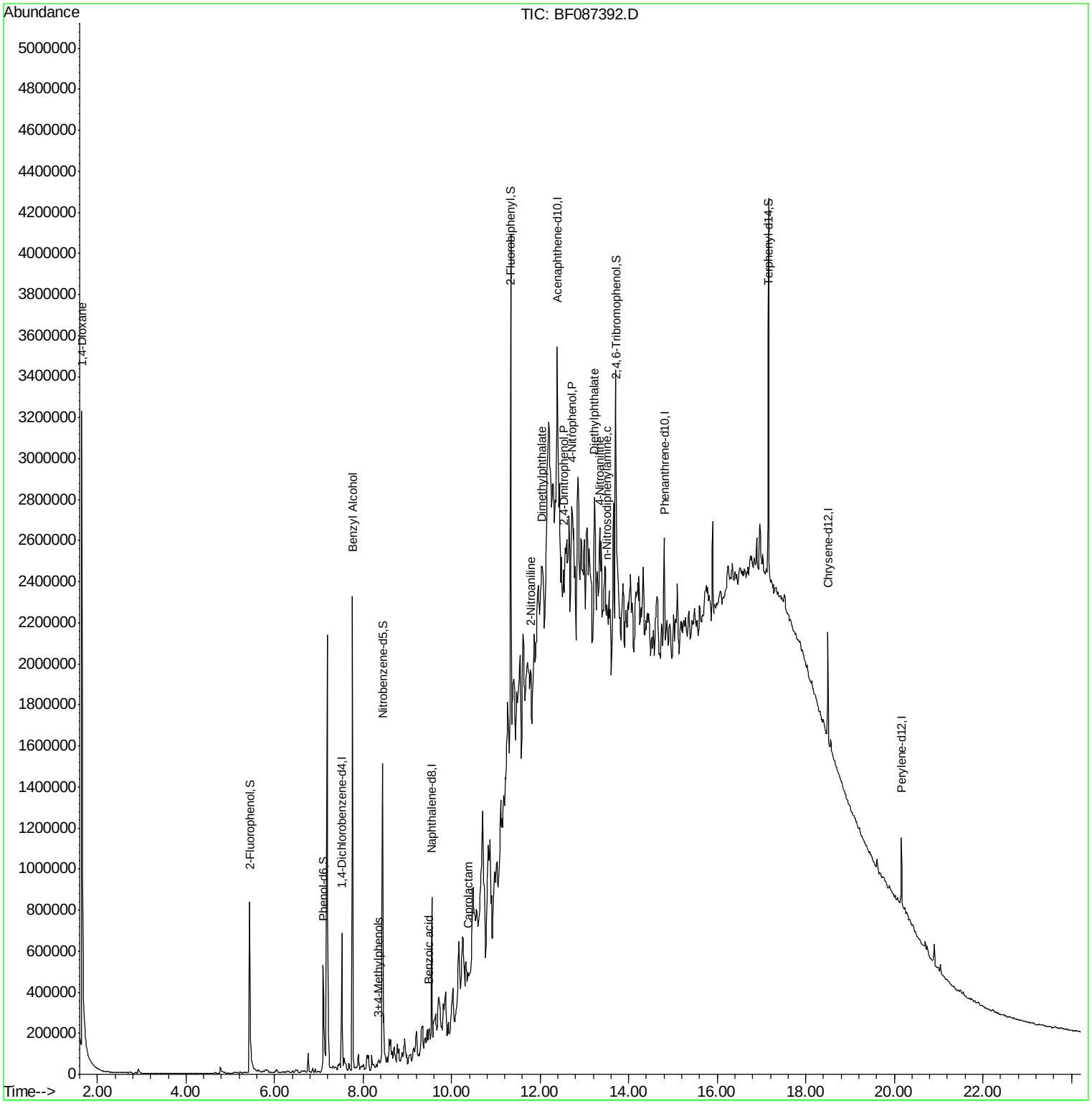
(#) = qualifier out of range (m) = manual integration (+) = signals summed

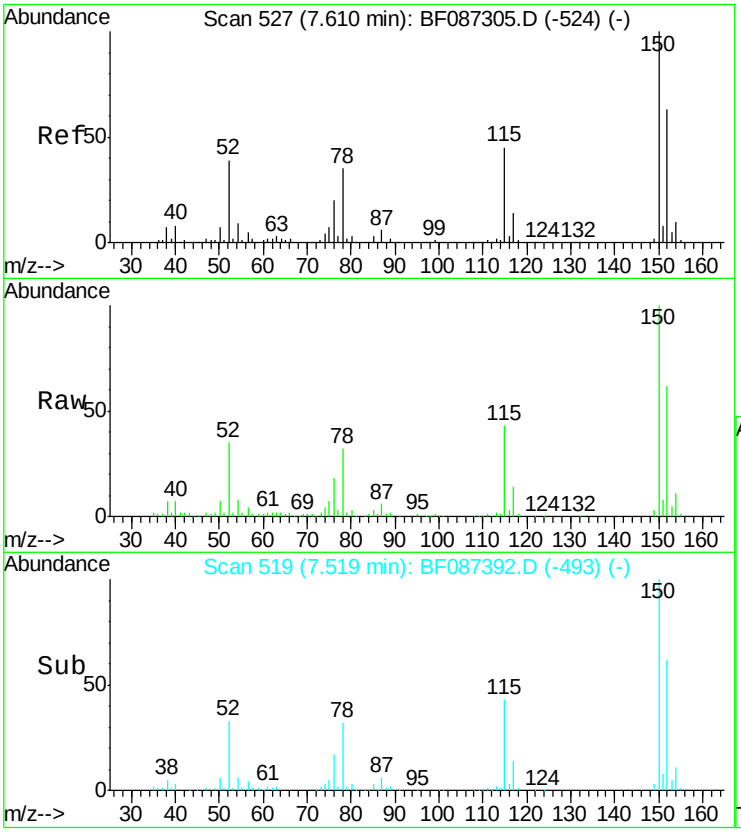
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087392.D
Acq On : 26 May 2016 3:03
Operator : UM/SJ
Sample : H3212-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Quant Time: May 26 04:23:04 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration



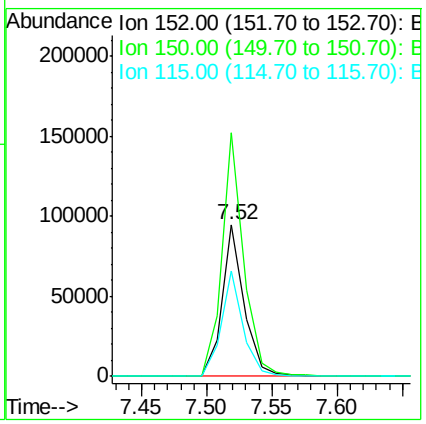


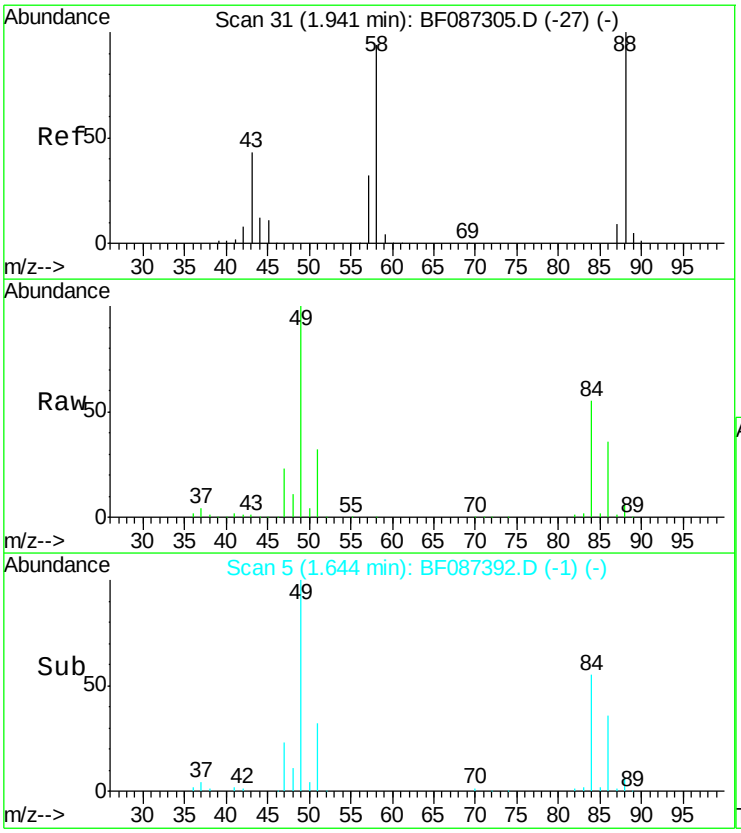

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:152 Resp: 110490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.3 | 125.8 | 188.6 |
| 115 | 69.3 | 51.5 | 77.3 |

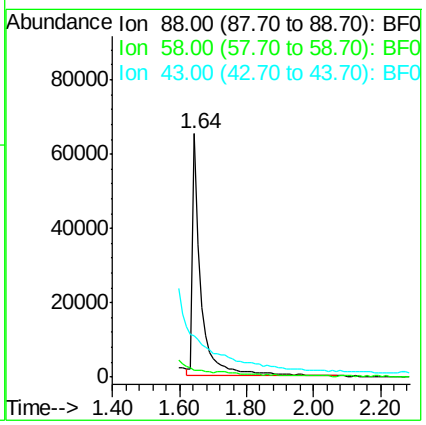


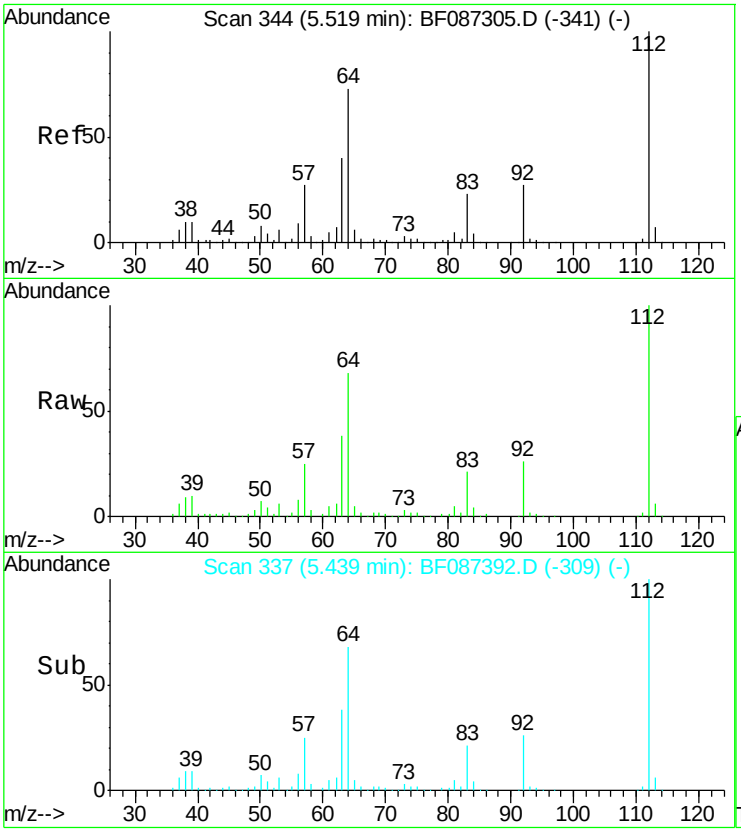




#2
1,4-Dioxane
Concen: 35.02 ng
RT: 1.64 min Scan# 5
Delta R.T. -0.17 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion: 88 Resp: 116194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 59.6 | 89.4# |
| 43 | 0.0 | 21.8 | 32.6# |



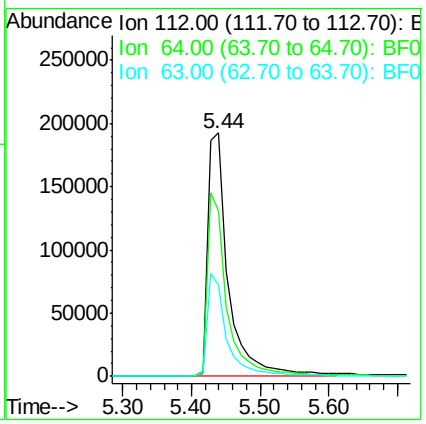


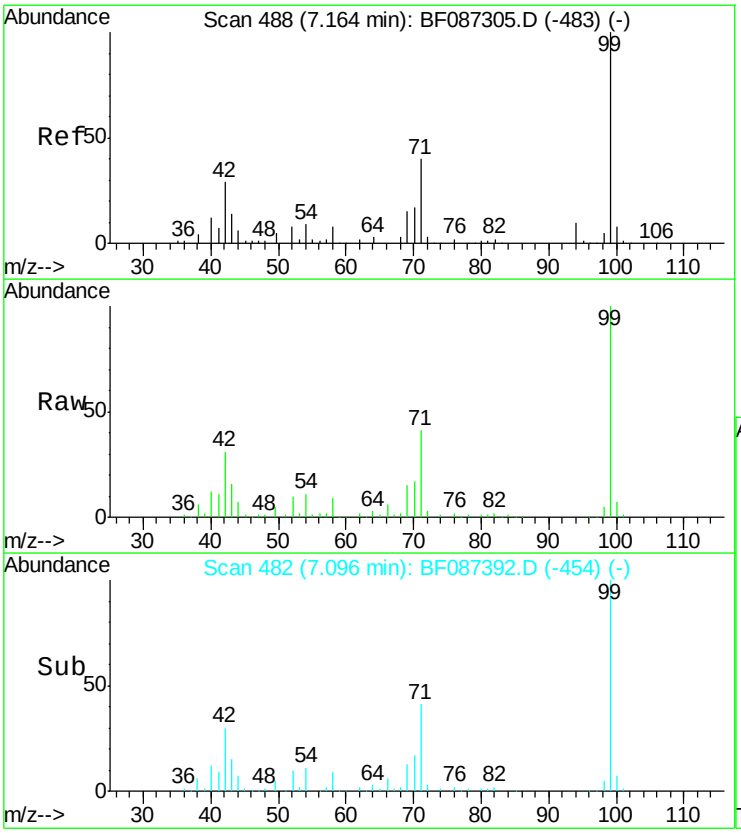

#5
2-Fluorophenol
Concen: 64.97 ng
RT: 5.44 min Scan# 337
Delta R.T. 0.02 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:112 Resp: 408554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.8 | 52.1 | 78.1 |
| 63 | 37.6 | 25.7 | 38.5 |

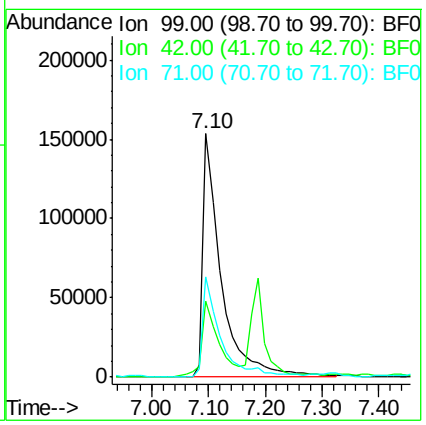


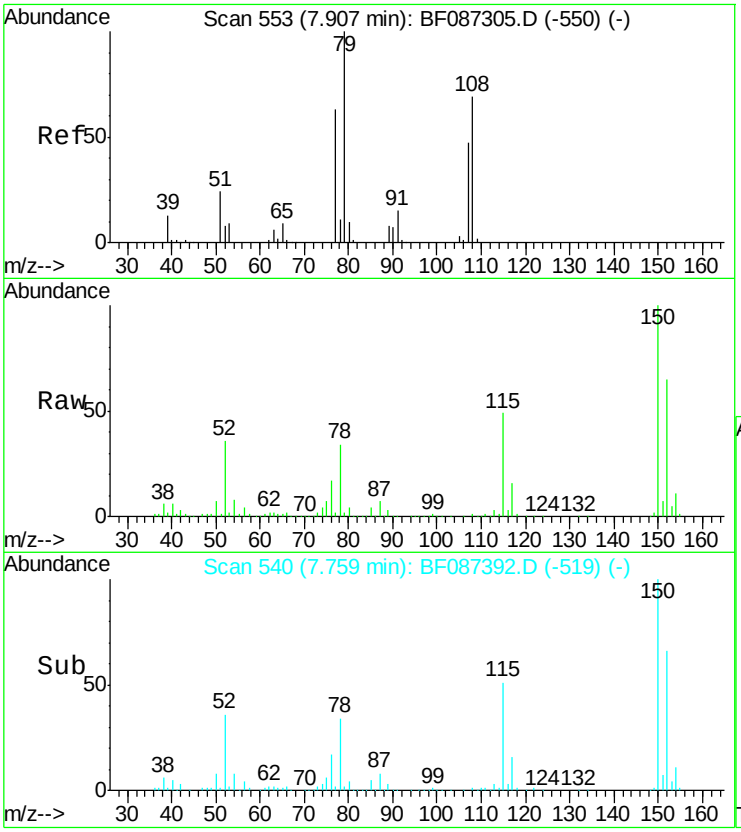




#7
Phenol-d6
Concen: 39.44 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.02 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion: 99 Resp: 335061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 31.1 | 13.6 | 20.4# |
| 71 | 41.1 | 24.6 | 36.8# |



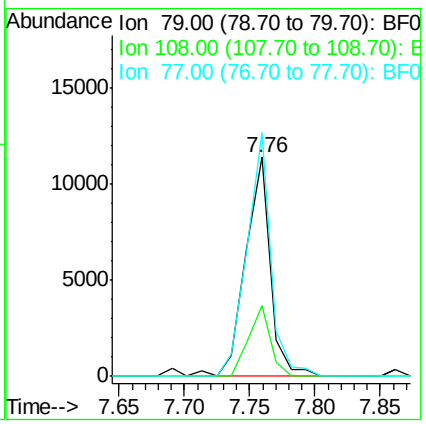


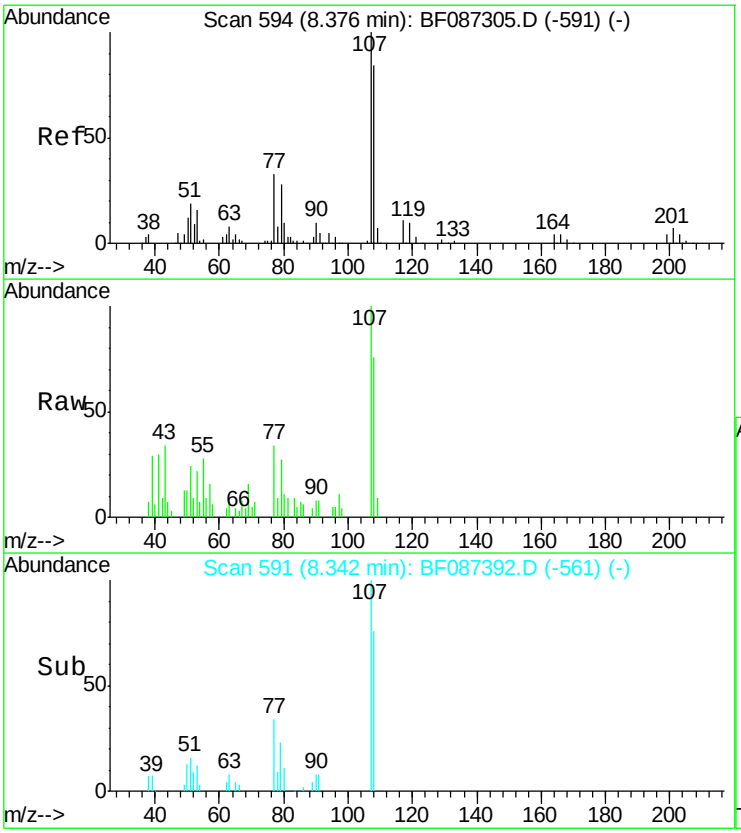

#15
Benzyl Alcohol
Concen: 2.44 ng
RT: 7.76 min Scan# 540
Delta R.T. -0.06 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion: 79 Resp: 15114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 32.5 | 68.4 | 102.6# |
| 77 | 111.1 | 50.6 | 76.0# |

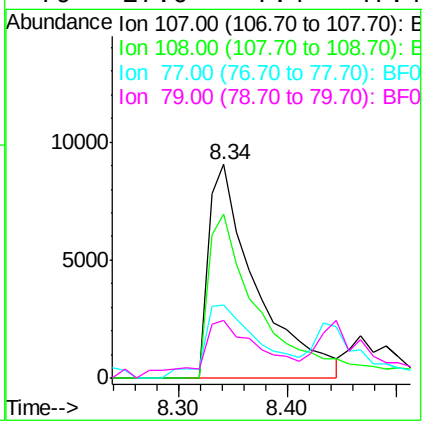


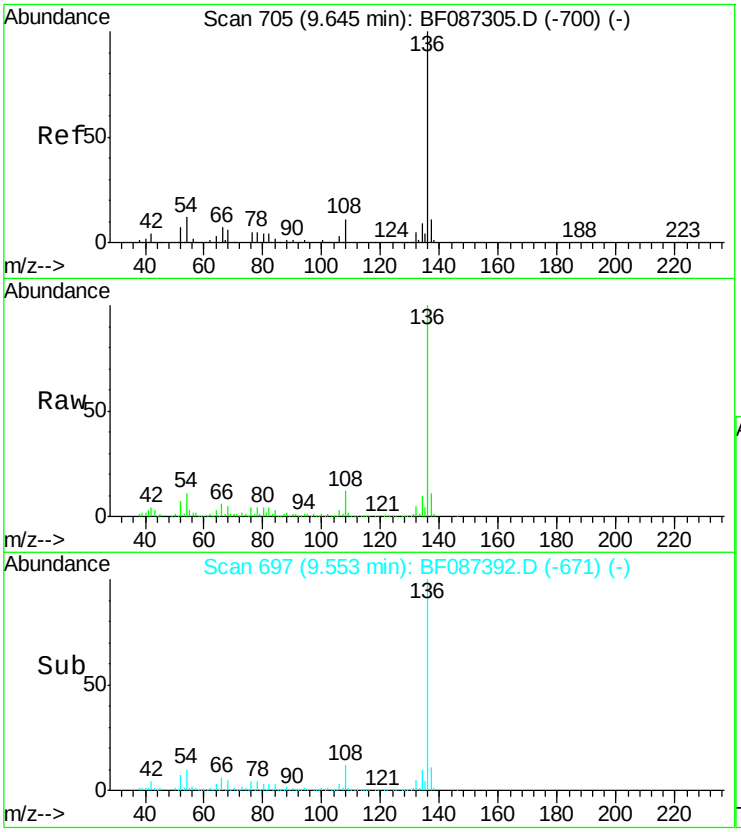




#20
3+4-Methylphenols
Concen: 3.60 ng
RT: 8.34 min Scan# 591
Delta R.T. 0.05 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion:107 Resp: 27342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 76.5 | 68.5 | 108.5 |
| 77 | 34.5 | 101.6 | 141.6# |
| 79 | 27.0 | 7.4 | 47.4 |



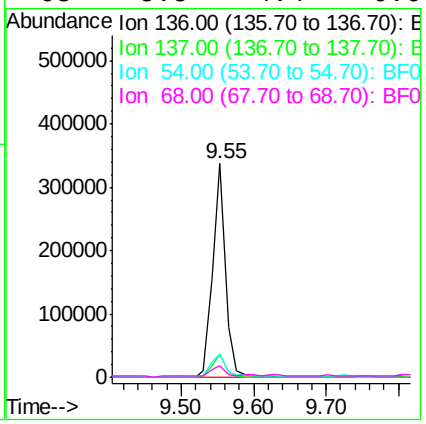


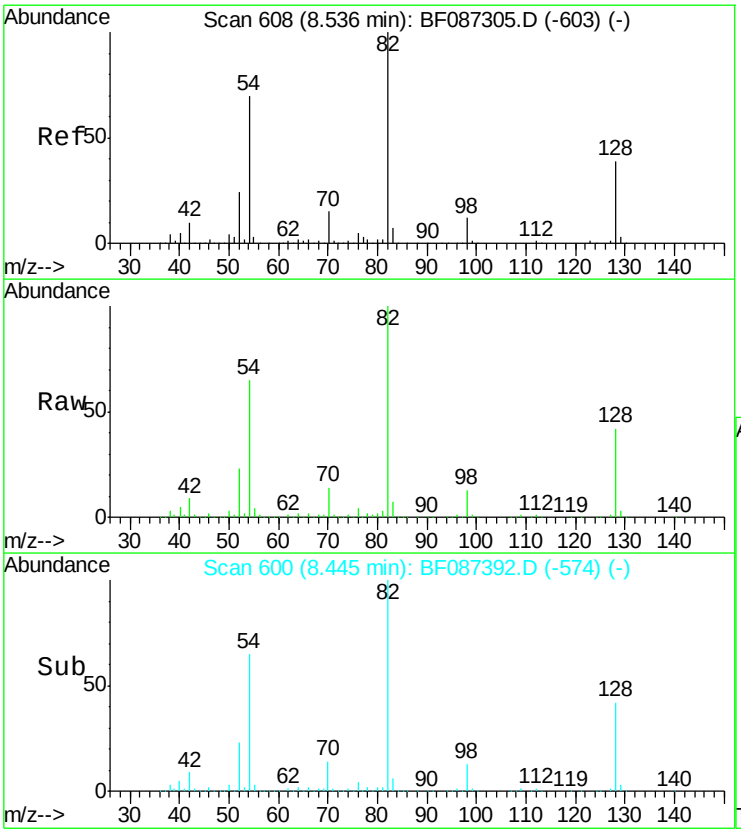

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:136 Resp: 416785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 10.8 | 5.0 | 7.4# |
| 68 | 5.5 | 4.4 | 6.6 |

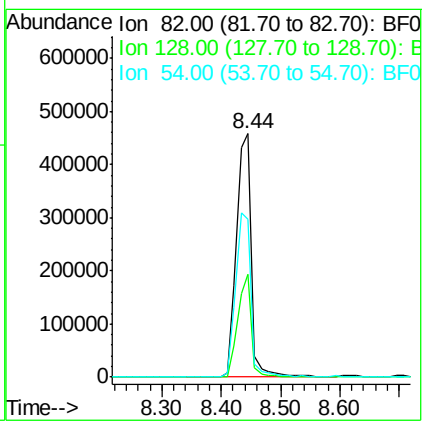


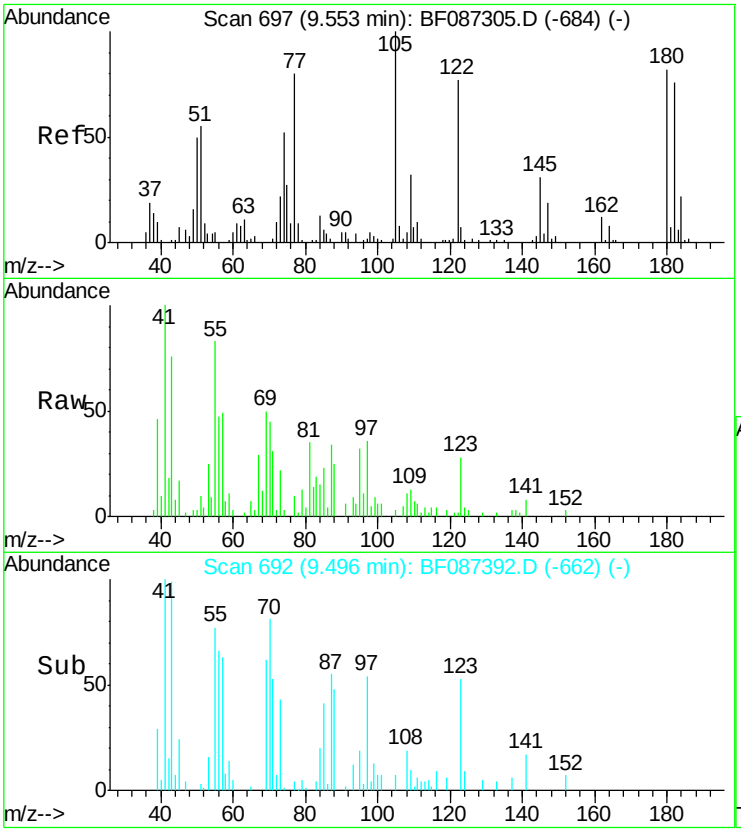




#23
Nitrobenzene-d5
Concen: 96.84 ng
RT: 8.44 min Scan# 600
Delta R.T. 0.00 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion: 82 Resp: 800832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.4 | 40.6 | 61.0 |
| 54 | 65.0 | 38.1 | 57.1# |



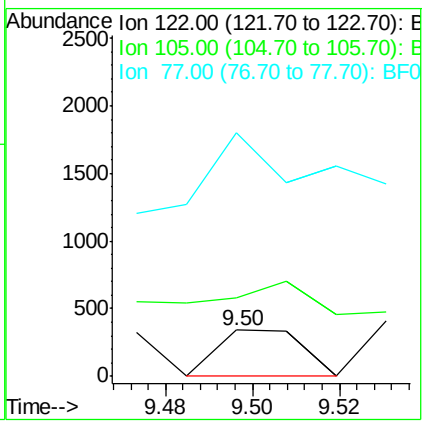


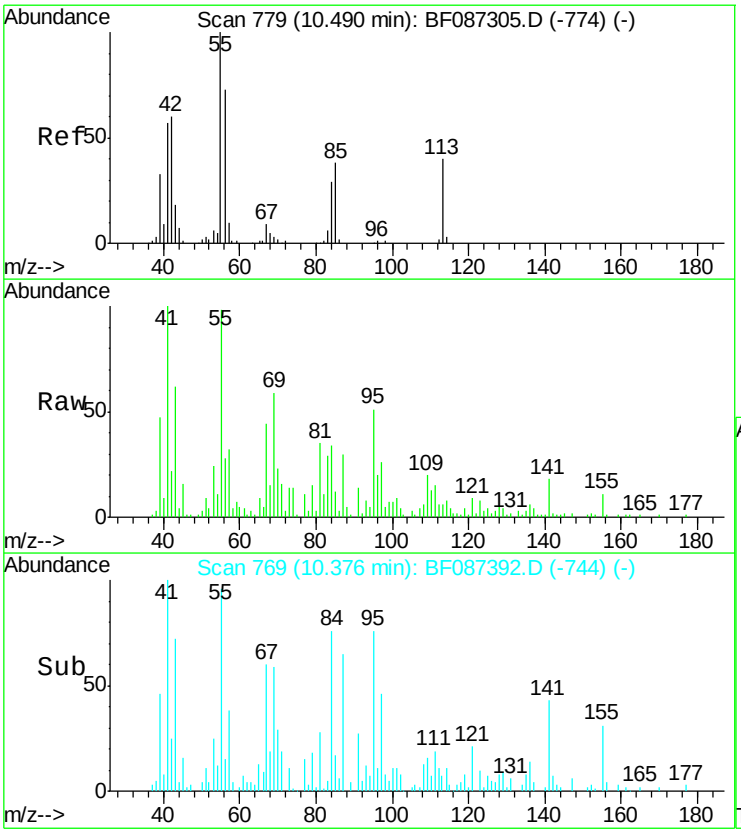

#32
Benzoic acid
Concen: 5.95 ng
RT: 9.50 min Scan# 692
Delta R.T. 0.05 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:122 Resp: 466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 169.3 | 92.6 | 132.6# |
| 77 | 526.3 | 60.0 | 100.0# |

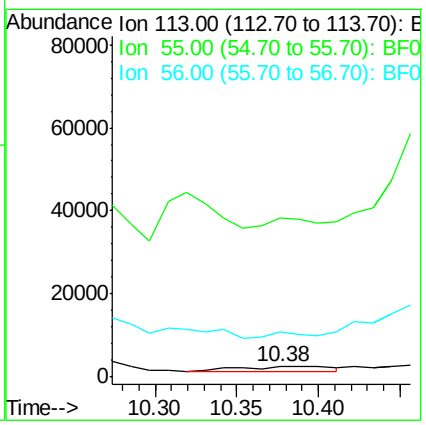


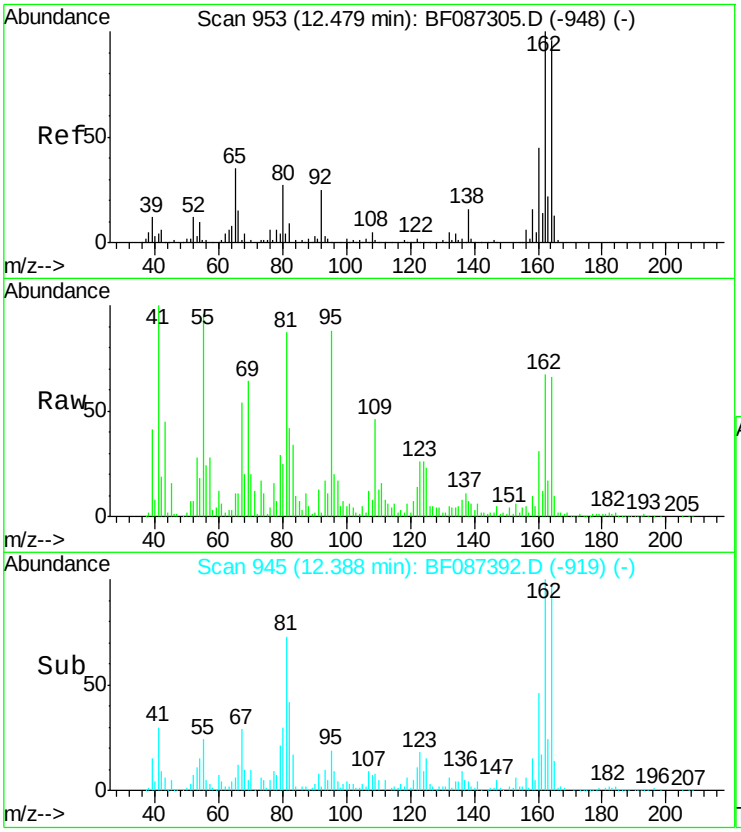




#35
Caprolactam
Concen: 2.48 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion:113 Resp: 4043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 1547.9 | 162.0 | 202.0# |
| 56 | 439.0 | 115.3 | 155.3# |



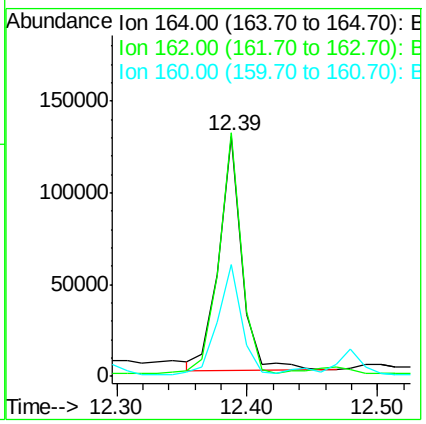


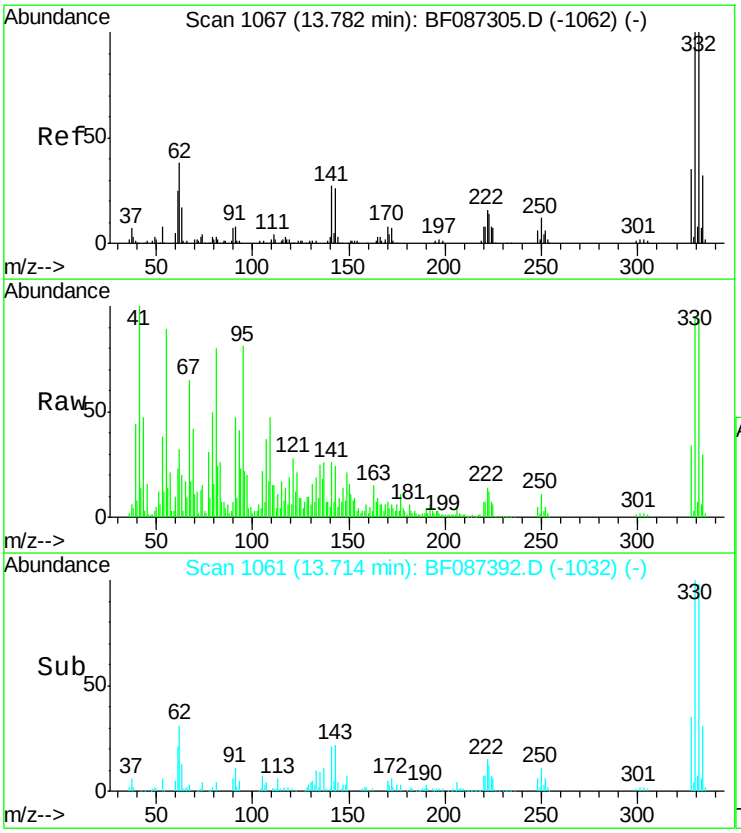

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:164 Resp: 158652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 82.8 | 124.2 |
| 160 | 46.6 | 36.9 | 55.3 |

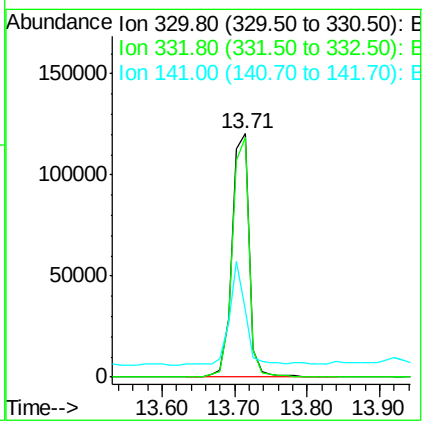


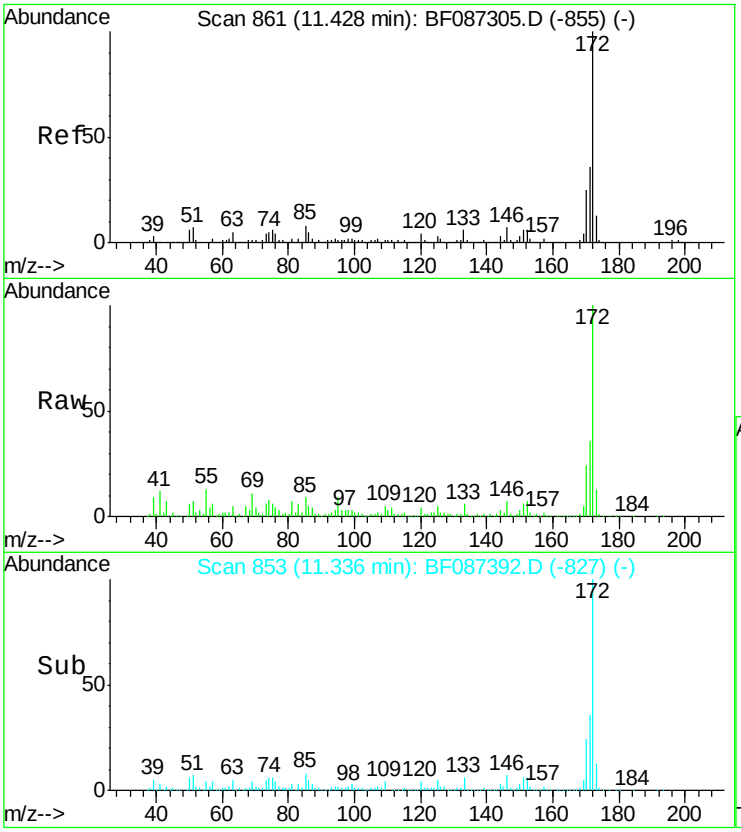




#41
2,4,6-Tribromophenol
Concen: 129.48 ng
RT: 13.71 min Scan# 1061
Delta R.T. 0.03 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion:330 Resp: 197401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 79.0 | 118.4 |
| 141 | 41.6 | 31.2 | 46.8 |



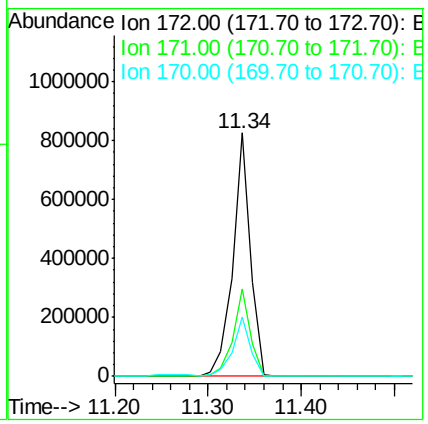


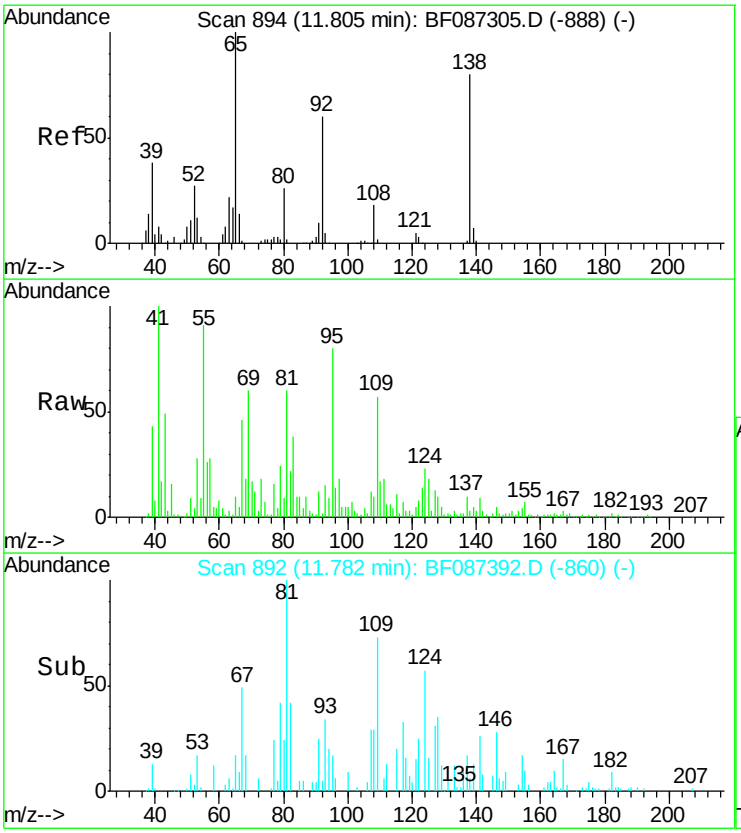

#44
2-Fluorobiphenyl
Concen: 96.76 ng
RT: 11.34 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:172 Resp: 1088880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 29.0 | 43.6 |
| 170 | 24.1 | 19.8 | 29.8 |

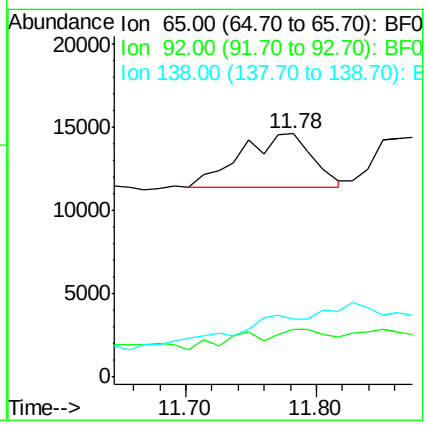


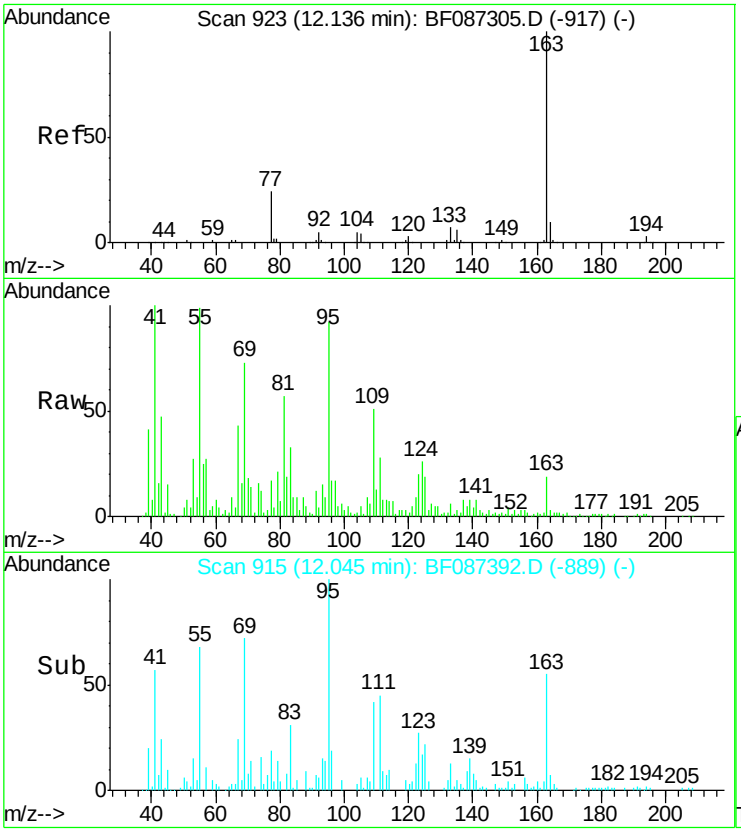




#47
2-Nitroaniline
Concen: 3.34 ng
RT: 11.78 min Scan# 892
Delta R.T. 0.07 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion: 65 Resp: 12299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 19.6 | 57.4 | 86.2# |
| 138 | 24.0 | 90.1 | 135.1# |



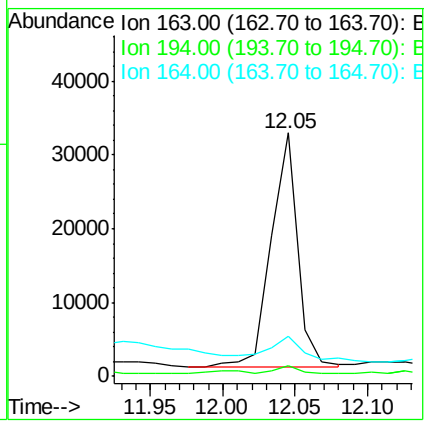


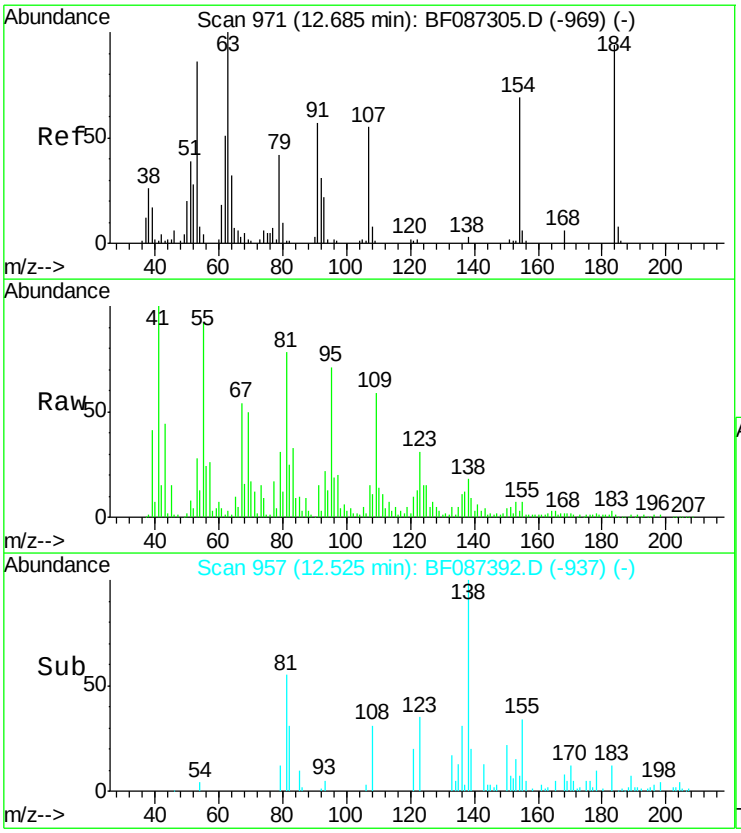

#49
Dimethylphthalate
Concen: 3.17 ng
RT: 12.05 min Scan# 915
Delta R.T. 0.00 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:163 Resp: 40245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 2.6 | 4.0# |
| 164 | 16.7 | 8.2 | 12.4# |

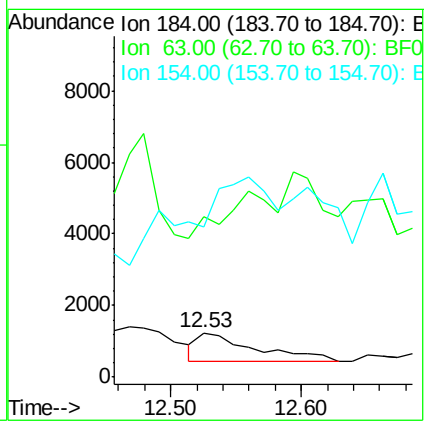


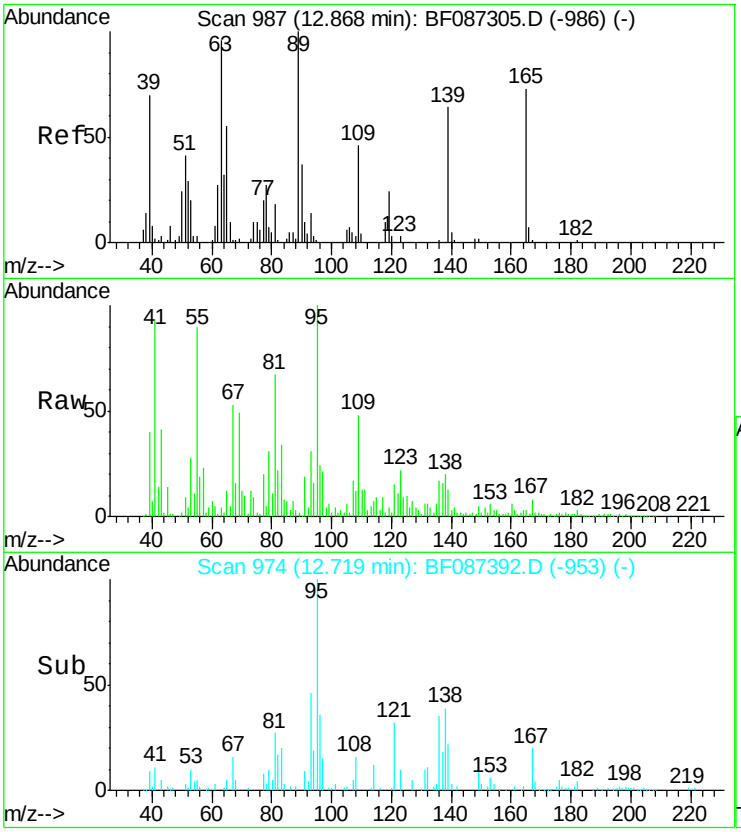




#53
2,4-Dinitrophenol
Concen: 8.22 ng
RT: 12.53 min Scan# 957
Delta R.T. -0.07 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion:184 Resp: 2384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 360.6 | 55.8 | 83.8# |
| 154 | 339.6 | 62.4 | 93.6# |



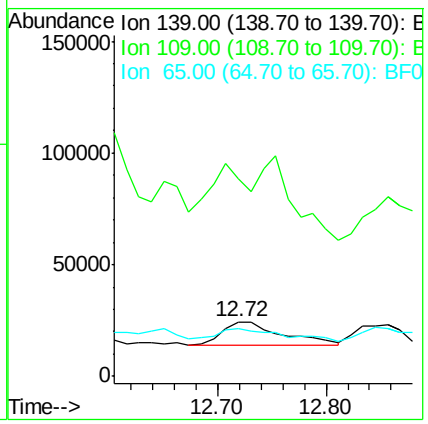


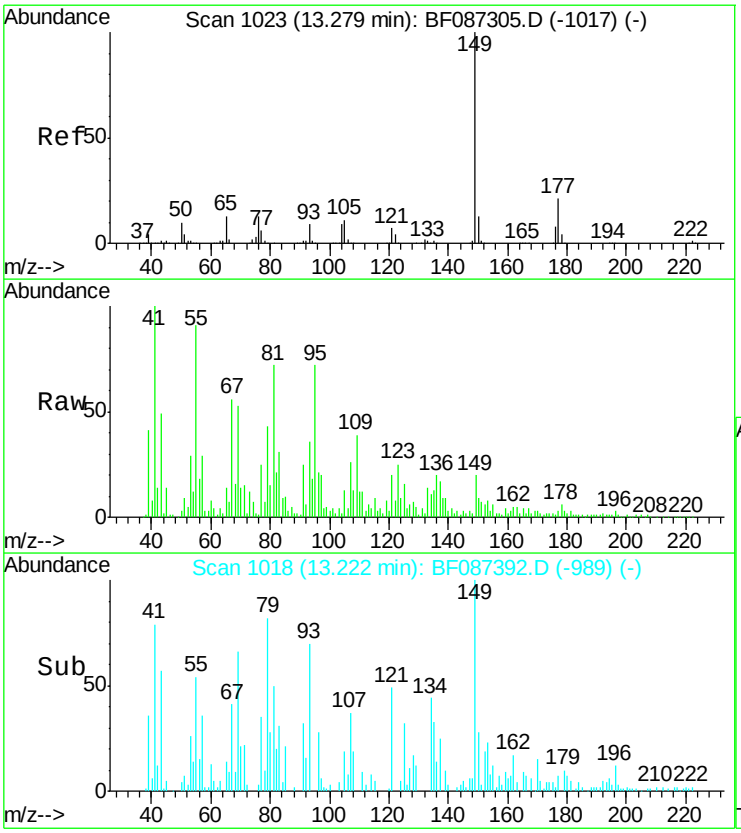

#55
4-Nitrophenol
Concen: 33.60 ng
RT: 12.72 min Scan# 974
Delta R.T. -0.06 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:139 Resp: 42121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 361.9 | 36.9 | 76.9# |
| 65 | 88.2 | 64.0 | 104.0 |

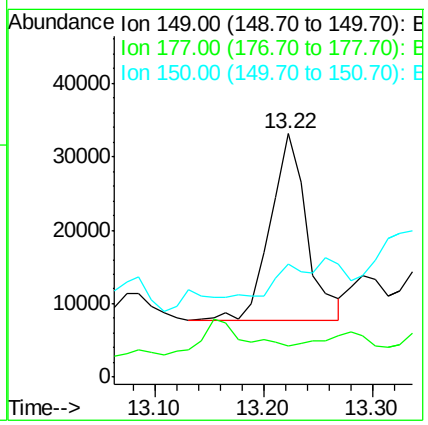


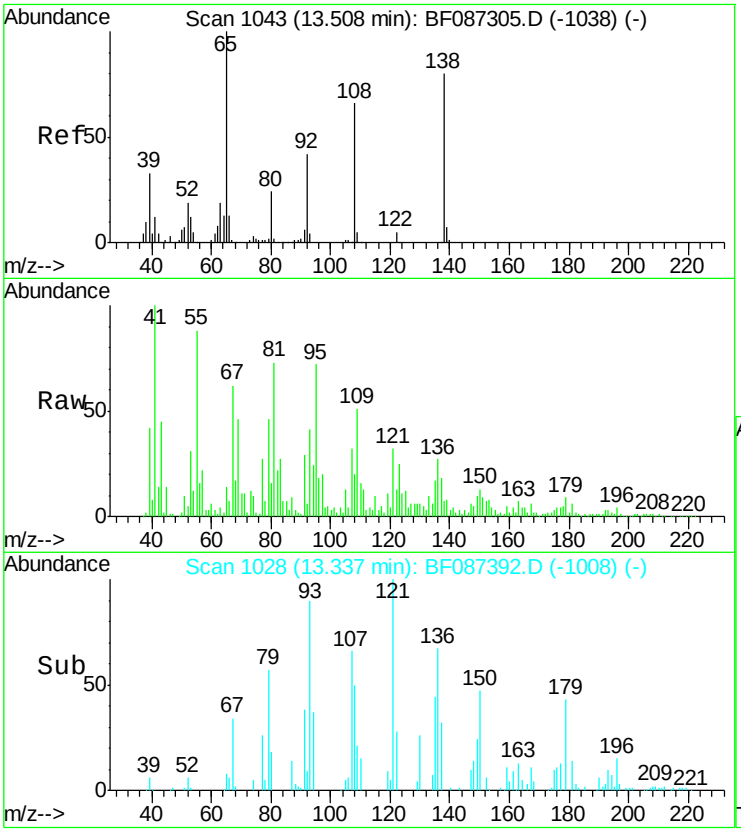




#59
Diethylphthalate
Concen: 4.84 ng
RT: 13.22 min Scan# 1018
Delta R.T. 0.03 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion:149 Resp: 59788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 12.9 | 16.6 | 24.8# |
| 150 | 46.7 | 10.0 | 15.0# |



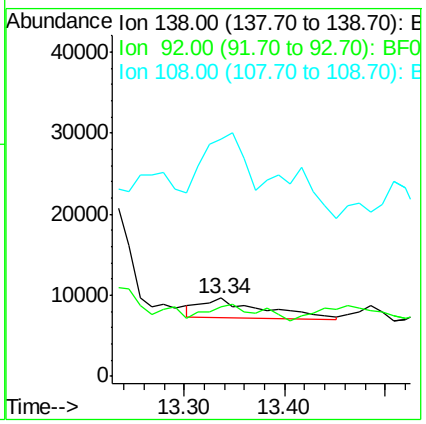


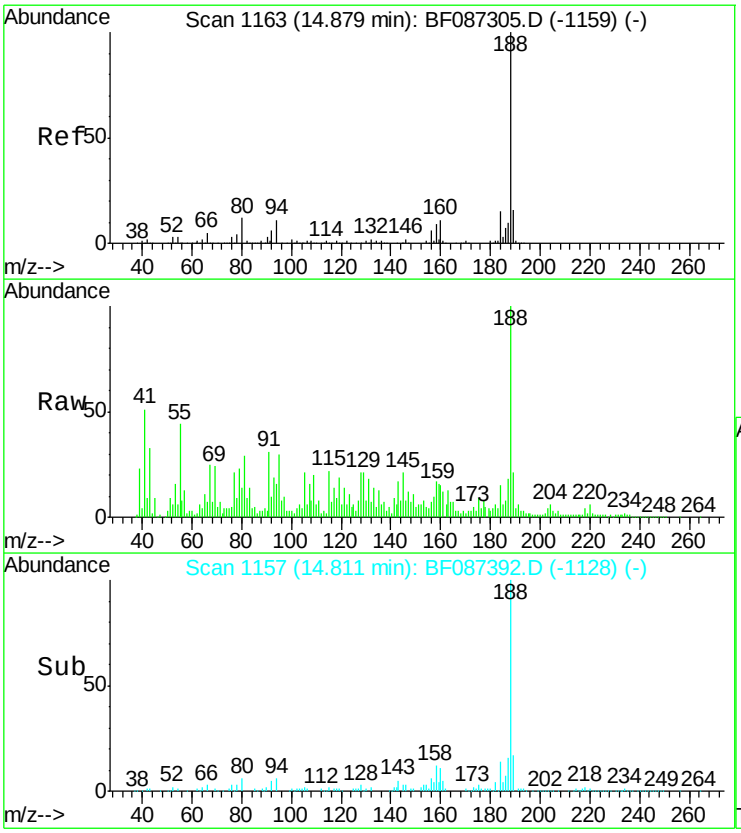

#61
4-Nitroaniline
Concen: 4.02 ng
RT: 13.34 min Scan# 1028
Delta R.T. -0.07 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:138 Resp: 9856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 88.7 | 24.7 | 64.7# |
| 108 | 303.2 | 37.4 | 77.4# |

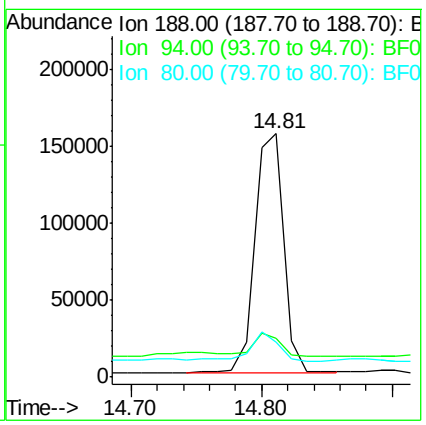


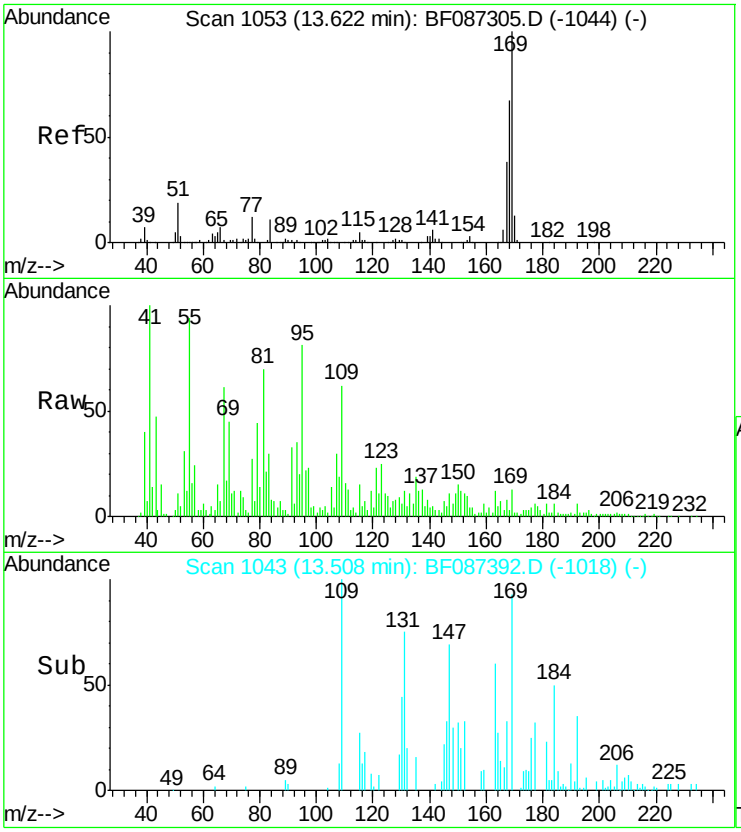




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 1157
Delta R.T. 0.03 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion:188 Resp: 239657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 16.0 | 6.8 | 10.2# |
| 80 | 14.4 | 7.1 | 10.7# |



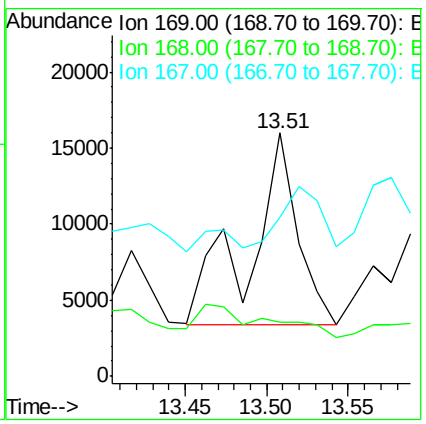


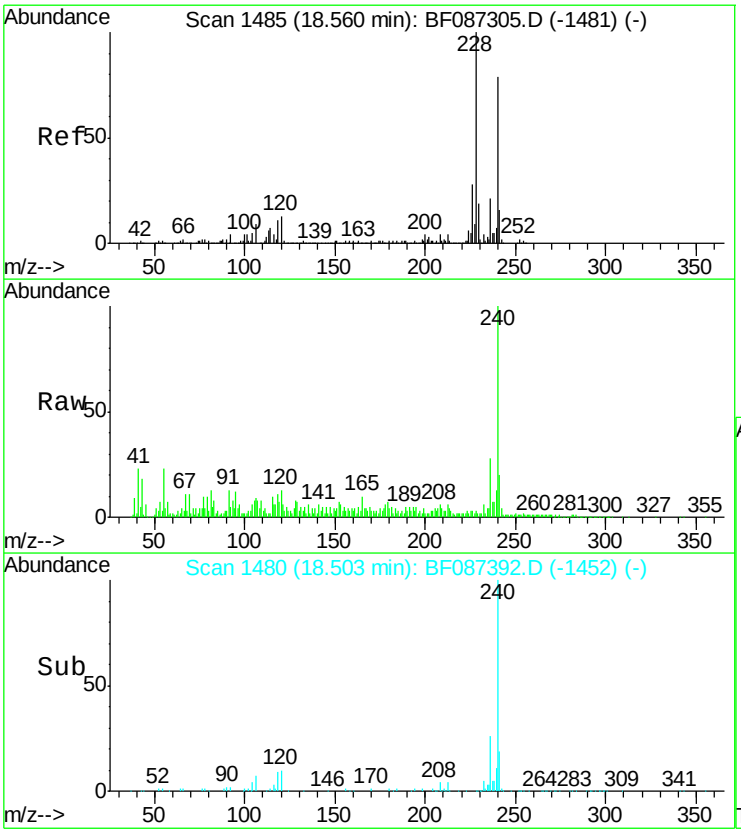

#65
n-Nitrosodiphenylamine
Concen: 3.36 ng
RT: 13.51 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:169 Resp: 26057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 22.1 | 53.8 | 80.6# |
| 167 | 65.5 | 29.5 | 44.3# |

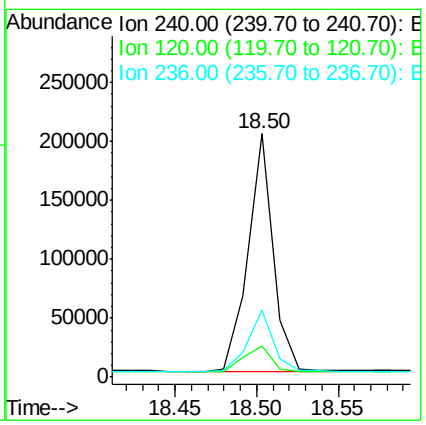


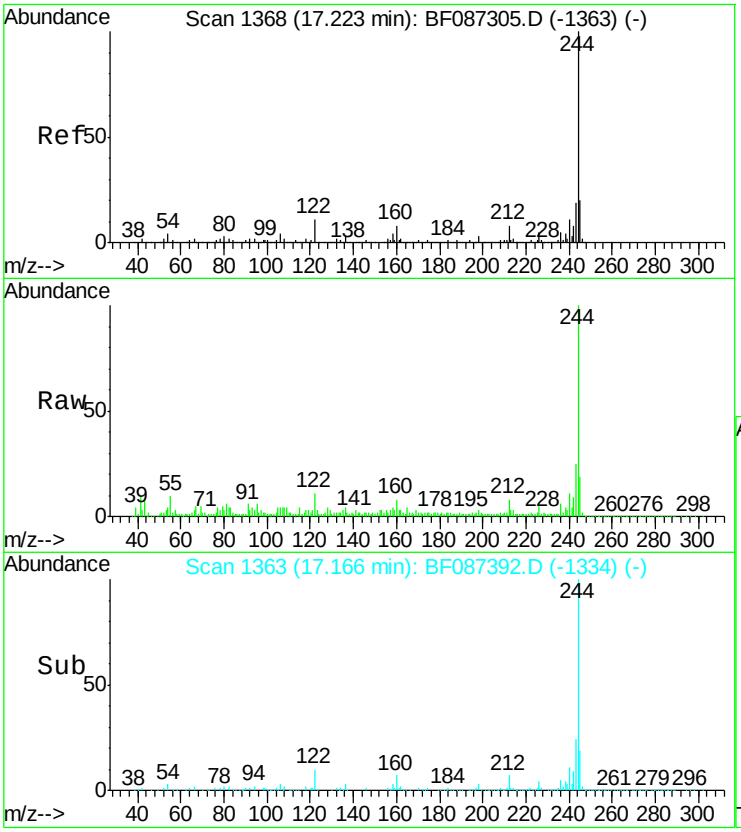




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.50 min Scan# 1480
Delta R.T. 0.02 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion:240 Resp: 215110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.6 | 11.2 | 16.8 |
| 236 | 27.7 | 21.2 | 31.8 |



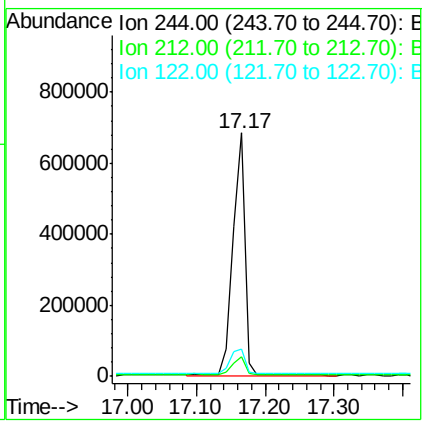


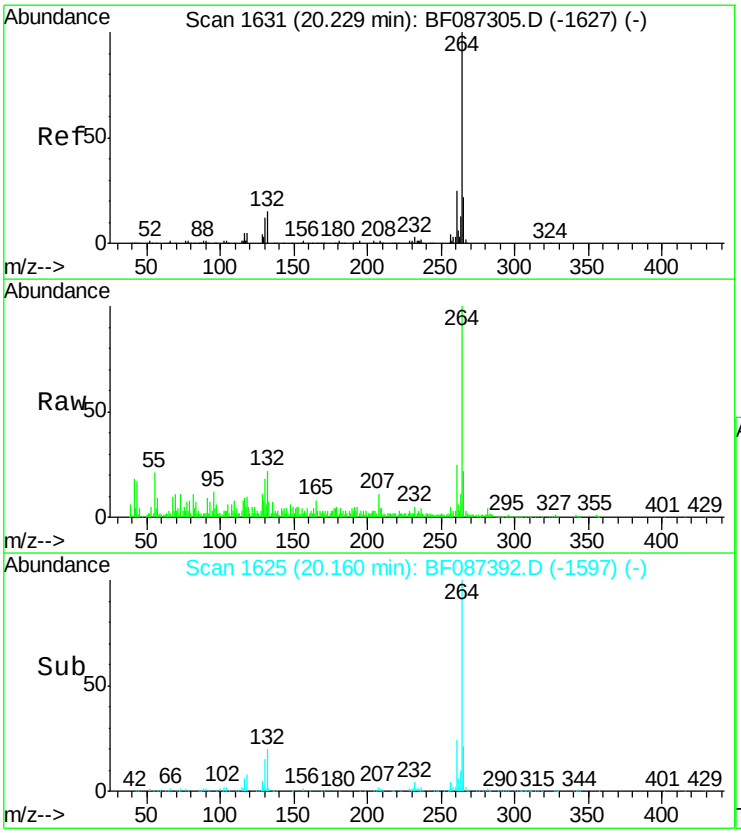

#78
Terphenyl-d14
Concen: 82.78 ng
RT: 17.17 min Scan# 1363
Delta R.T. 0.03 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

**Instrument :**
BNA_F
**ClientSampleId :**
VE1-2

Tgt Ion:244 Resp: 837595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 6.2 | 9.2 |
| 122 | 11.0 | 12.0 | 18.0# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.16 min Scan# 1625
Delta R.T. 0.02 min
Lab File: BF087392.D
Acq: 26 May 2016 3:03

Tgt Ion:264 Resp: 152178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.7 | 19.5 | 29.3 |
| 265 | 22.1 | 17.3 | 25.9 |