Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
Data File : BF082035.D
Acq On : 3 Oct 2015 21:55
Operator : UM/IZ
Sample : G3827-01
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MGP220BR-9-10

Quant Time: Oct 05 05:26:25 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 86187 | 20.00 | ng | -0.05 |
| 21) Naphthalene-d8 | 8.17 | 136 | 370598 | 20.00 | ng | -0.05 |
| 38) Acenaphthene-d10 | 9.93 | 164 | 188177 | 20.00 | ng | -0.05 |
| 63) Phenanthrene-d10 | 11.43 | 188 | 348336 | 20.00 | ng | -0.03 |
| 75) Chrysene-d12 | 14.08 | 240 | 303167 | 20.00 | ng | -0.03 |
| 86) Perylene-d12 | 15.53 | 264 | 252723 | 20.00 | ng | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 476000 | 100.26 | ng | -0.04 |
| 7) Phenol-d6 | 6.51 | 99 | 719416 | 120.42 | ng | -0.05 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 398965 | 71.76 | ng | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 167470 | 87.87 | ng | -0.03 |
| 44) 2-Fluorobiphenyl | 9.26 | 172 | 681800 | 56.83 | ng | -0.05 |
| 78) Terphenyl-d14 | 13.03 | 244 | 662436 | 66.44 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 49) Dimethylphthalate | 9.65 | 163 | 219546 | 16.90 | ng | # 97 |
| 74) Fluoranthene | 12.65 | 202 | 523486 | 28.05 | ng | 88 |
| 77) Pyrene | 12.88 | 202 | 578311 | 31.93 | ng | 95 |

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

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Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
Data File : BF082035.D
Acq On : 3 Oct 2015 21:55
Operator : UM/IZ
Sample : G3827-01
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MGP220BR-9-10

Quant Time: Oct 05 05:26:25 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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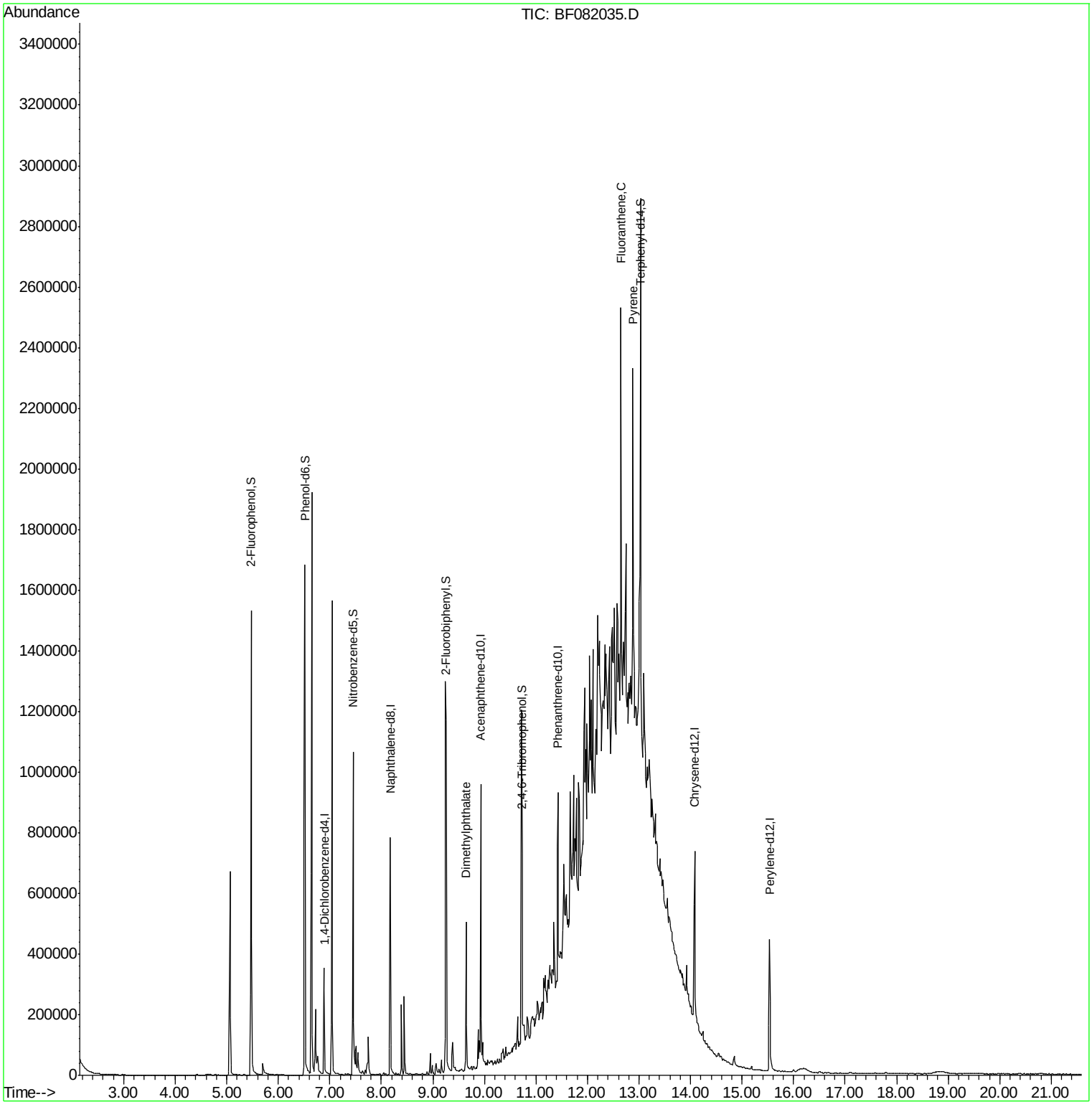
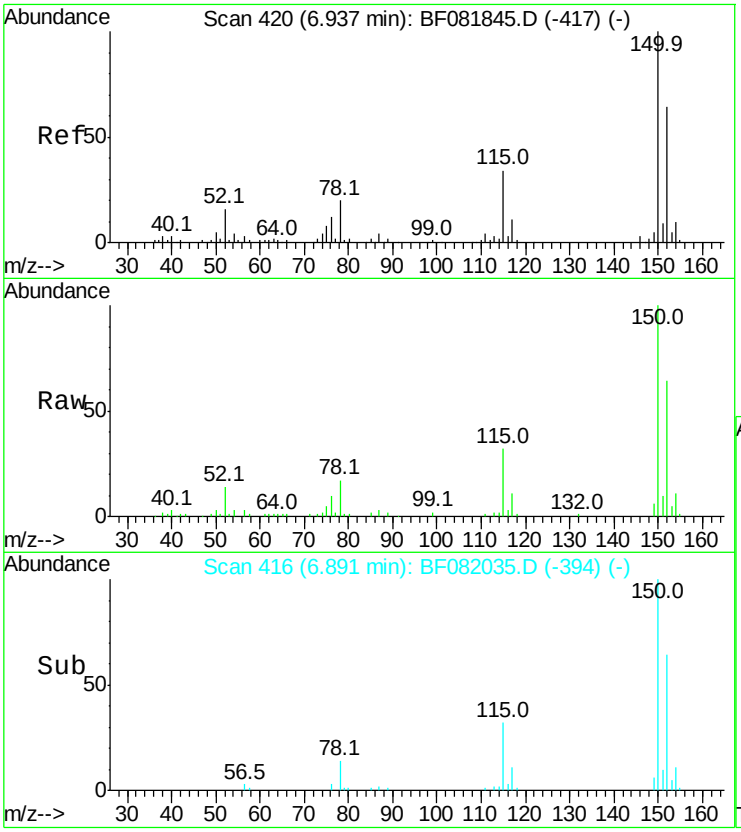


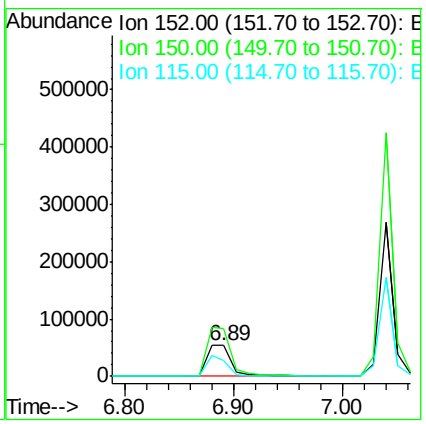


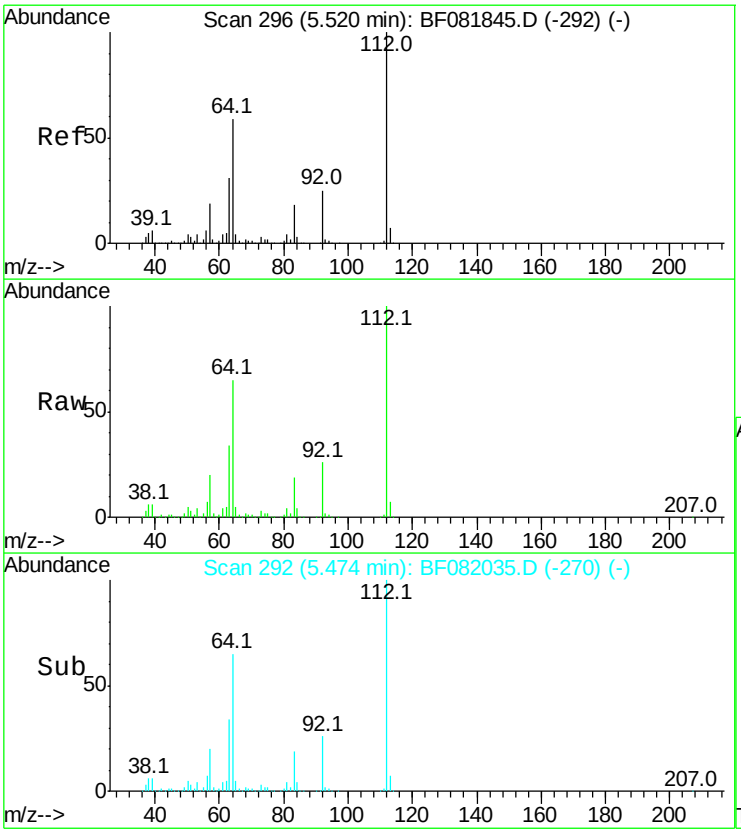

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 416
Delta R.T. -0.05 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

**Instrument :**
BNA_F
**ClientSampleId :**
MGP220BR-9-10

Tgt Ion:152 Resp: 86187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 124.7 | 187.1 |
| 115 | 49.6 | 39.0 | 58.4 |

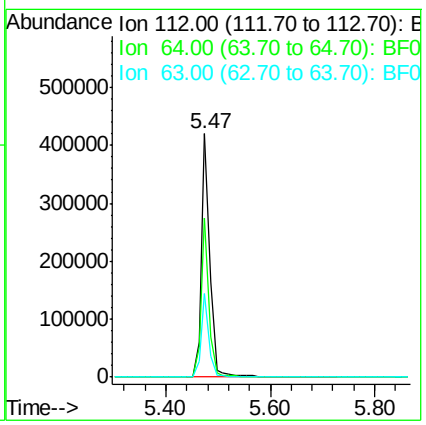


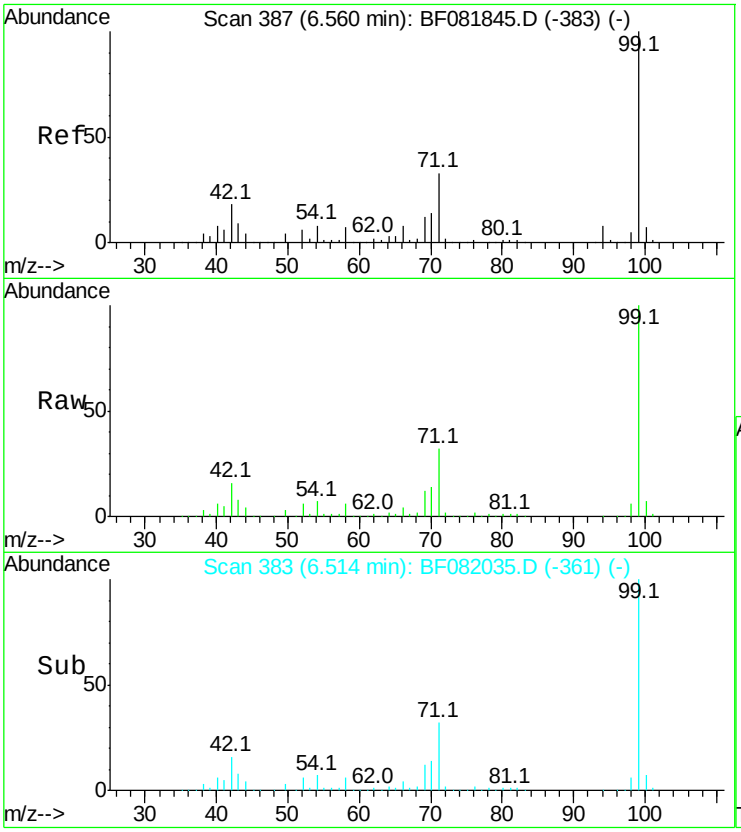




#5
2-Fluorophenol
Concen: 100.26 ng
RT: 5.47 min Scan# 292
Delta R.T. -0.04 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

Tgt Ion:112 Resp: 476000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.2 | 39.7 | 59.5# |
| 63 | 34.3 | 17.4 | 26.0# |



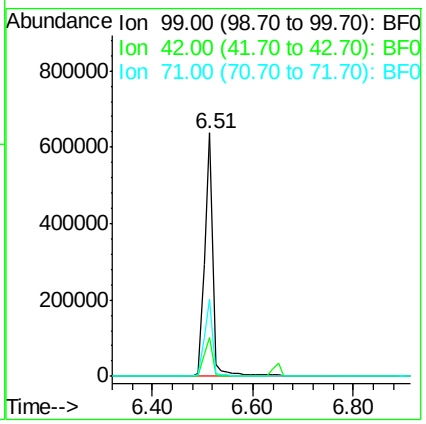


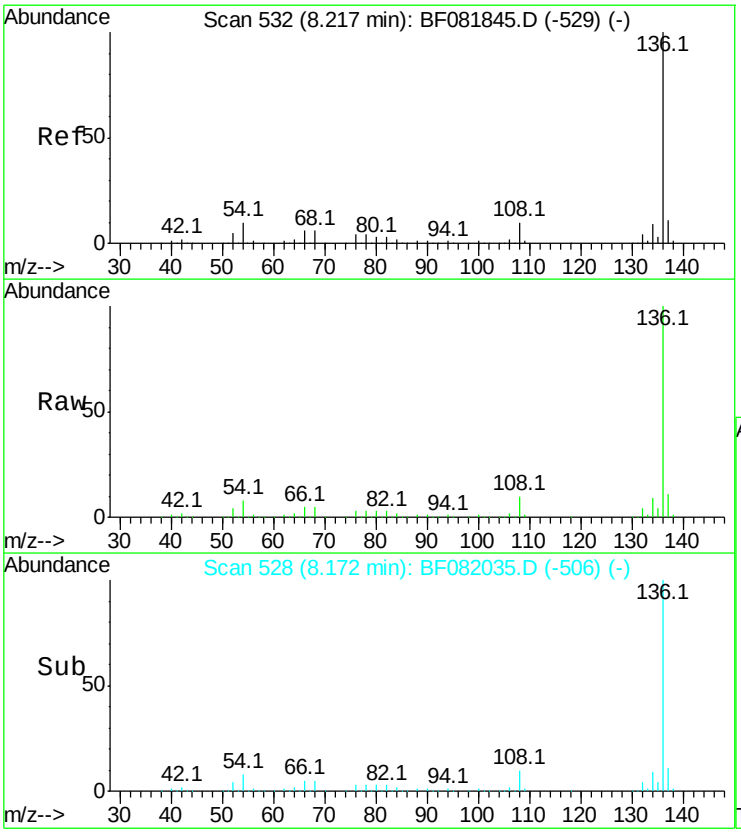

#7
Phenol-d6
Concen: 120.42 ng
RT: 6.51 min Scan# 383
Delta R.T. -0.05 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

**Instrument :**
BNA_F
**ClientSampleId :**
MGP220BR-9-10

Tgt Ion: 99 Resp: 719416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.0 | 13.7 | 20.5 |
| 71 | 31.9 | 14.2 | 21.2# |

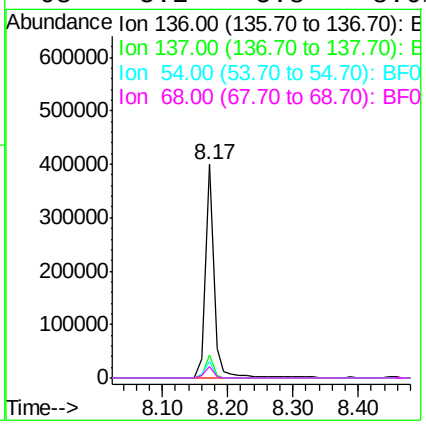


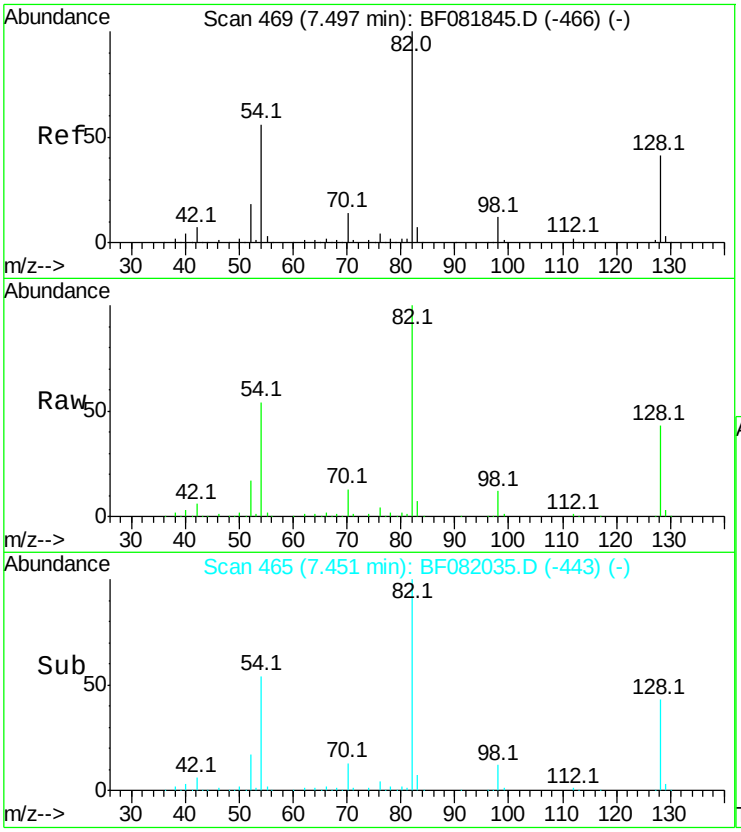




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

Tgt Ion:136 Resp: 370598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.6 |
| 54 | 7.9 | 8.2 | 12.2# |
| 68 | 5.2 | 5.8 | 8.6# |



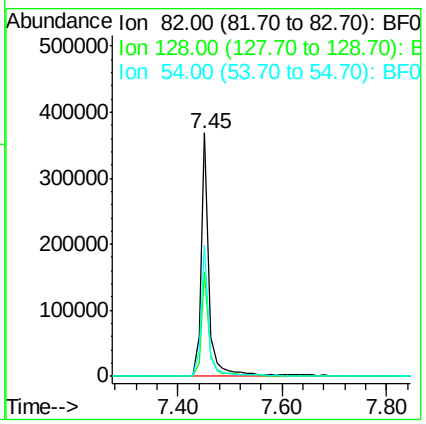


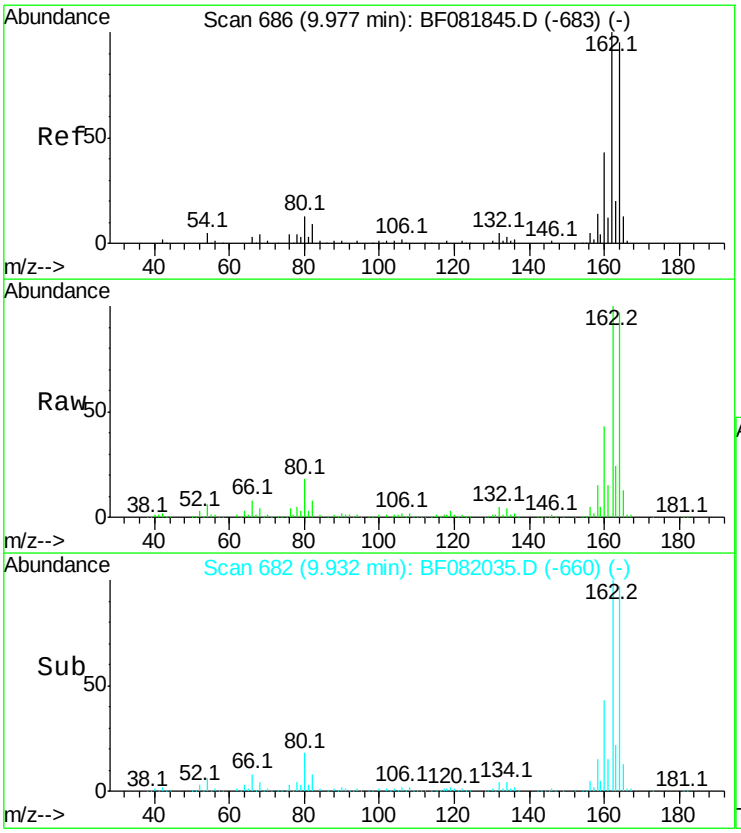

#23
Nitrobenzene-d5
Concen: 71.76 ng
RT: 7.45 min Scan# 465
Delta R.T. -0.05 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

**Instrument :**
BNA_F
**ClientSampleId :**
MGP220BR-9-10

Tgt Ion: 82 Resp: 398965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.0 | 51.0 | 76.6# |
| 54 | 53.9 | 47.5 | 71.3 |

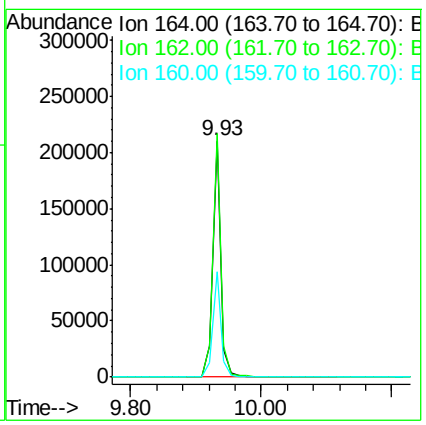


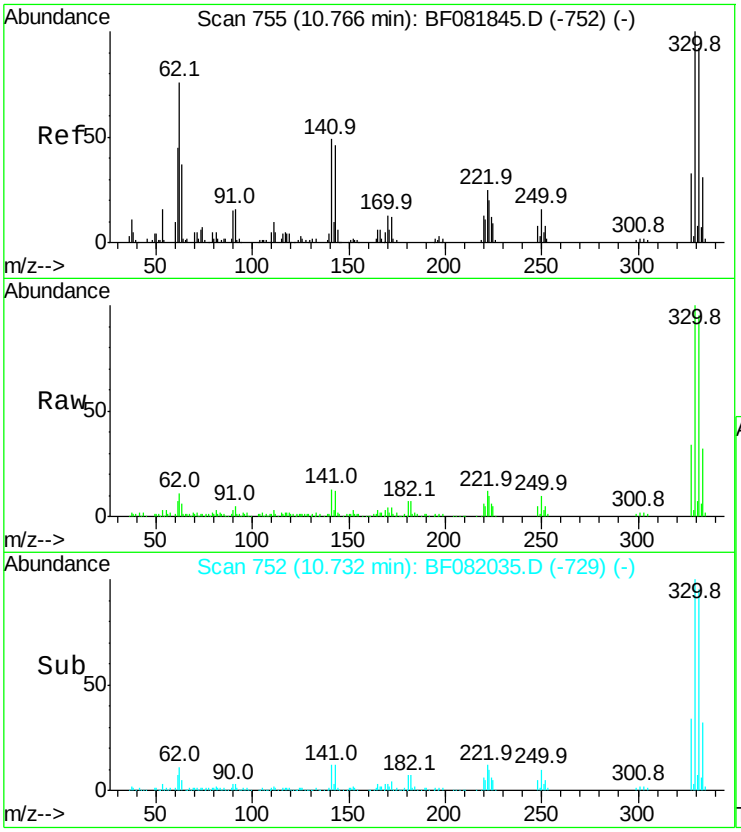




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

Tgt Ion:164 Resp: 188177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.0 | 75.2 | 112.8 |
| 160 | 44.7 | 31.5 | 47.3 |



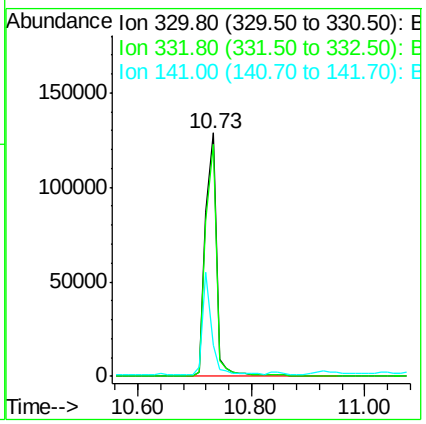


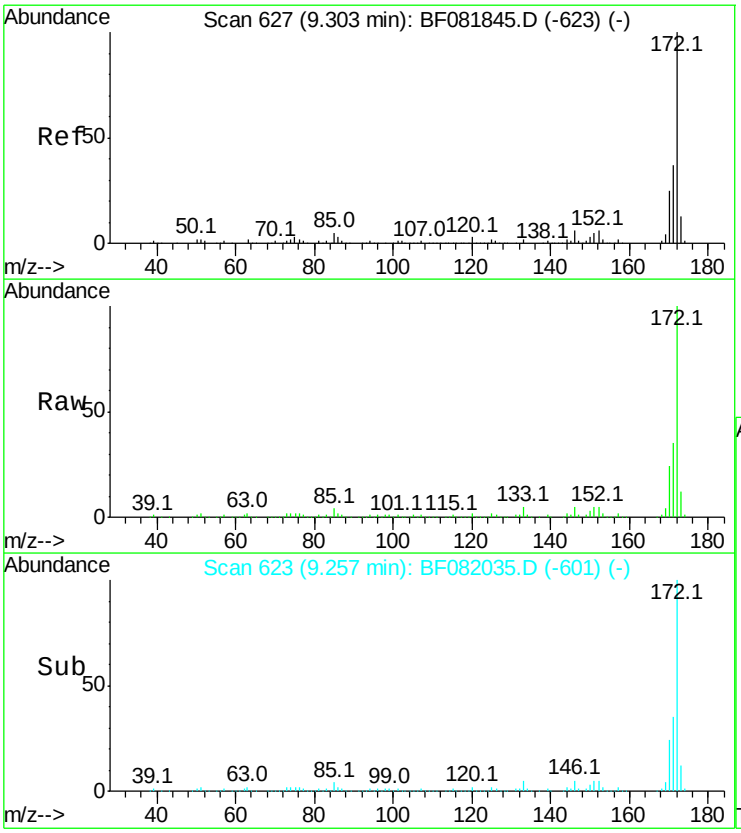

#41
2,4,6-Tribromophenol
Concen: 87.87 ng
RT: 10.73 min Scan# 752
Delta R.T. -0.03 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

**Instrument :**
BNA_F
**ClientSampleId :**
MGP220BR-9-10

Tgt Ion:330 Resp: 167470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 76.6 | 114.8 |
| 141 | 33.8 | 29.7 | 44.5 |

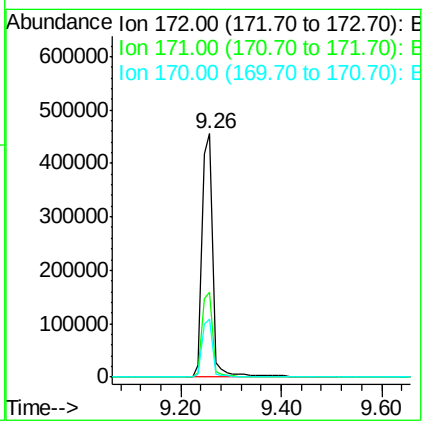


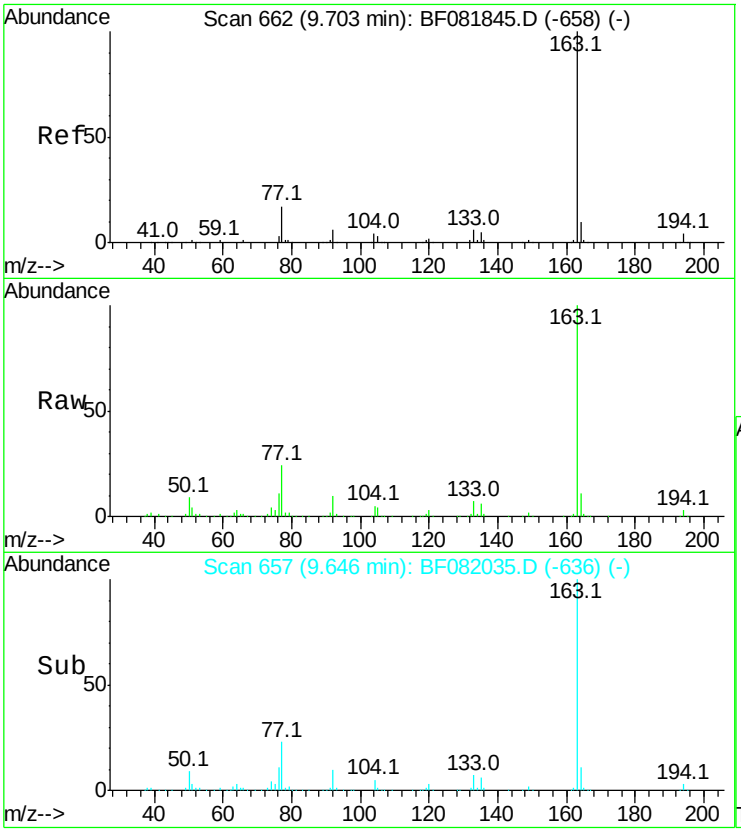




#44
2-Fluorobiphenyl
Concen: 56.83 ng
RT: 9.26 min Scan# 623
Delta R.T. -0.05 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

Tgt Ion:172 Resp: 681800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 26.1 | 39.1 |
| 170 | 23.8 | 17.4 | 26.2 |



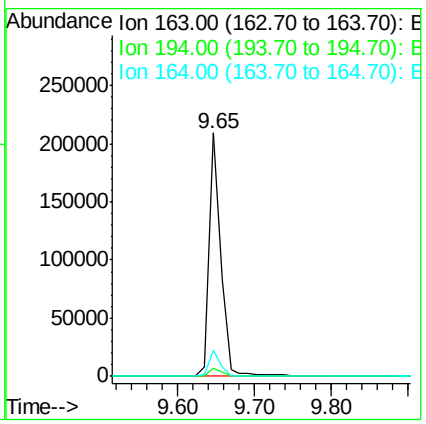


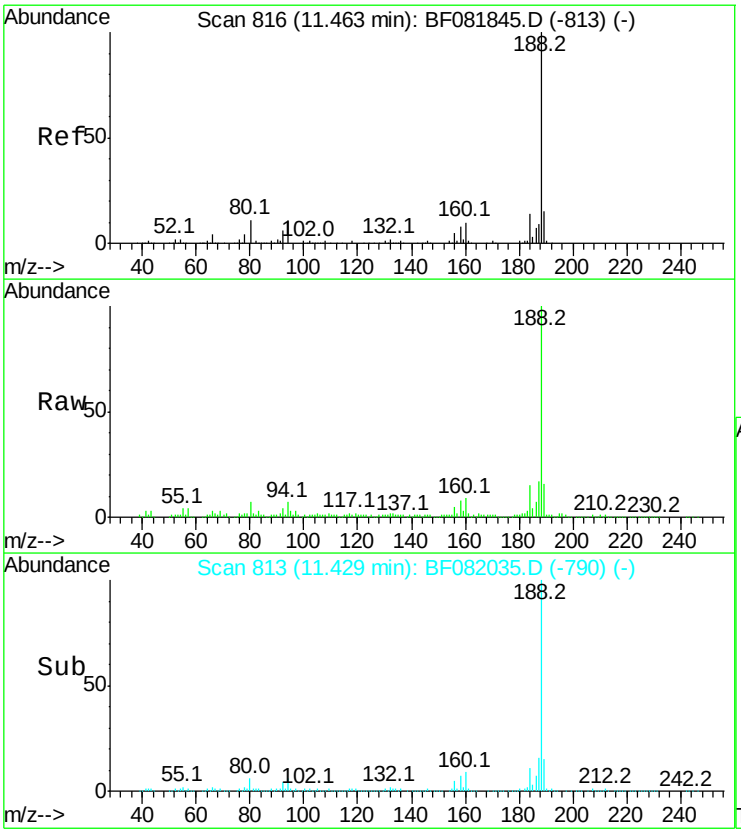

#49
Dimethylphthalate
Concen: 16.90 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.06 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

**Instrument :**
BNA_F
**ClientSampleId :**
MGP220BR-9-10

Tgt Ion:163 Resp: 219546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 4.4 | 6.6# |
| 164 | 10.7 | 8.3 | 12.5 |

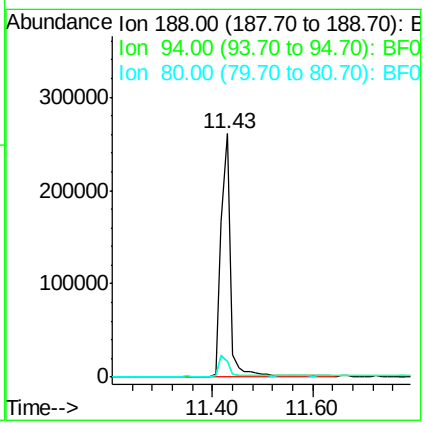


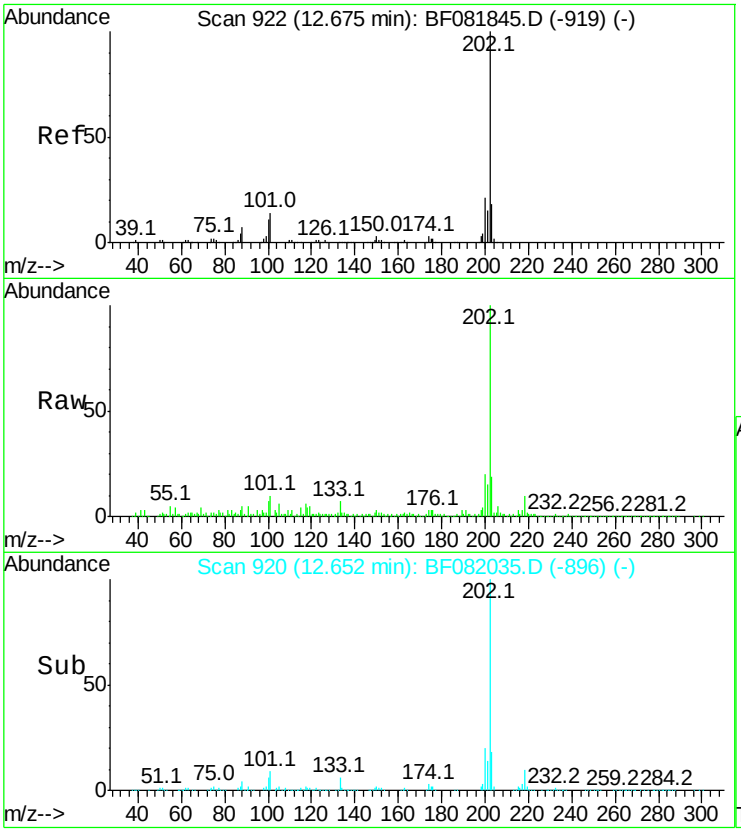




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

Tgt Ion:188 Resp: 348336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.5 | 11.1 | 16.7# |
| 80 | 6.6 | 11.0 | 16.4# |



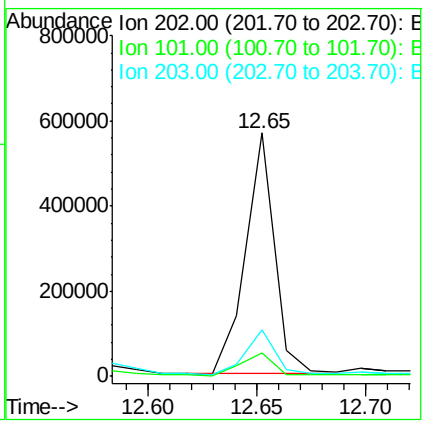


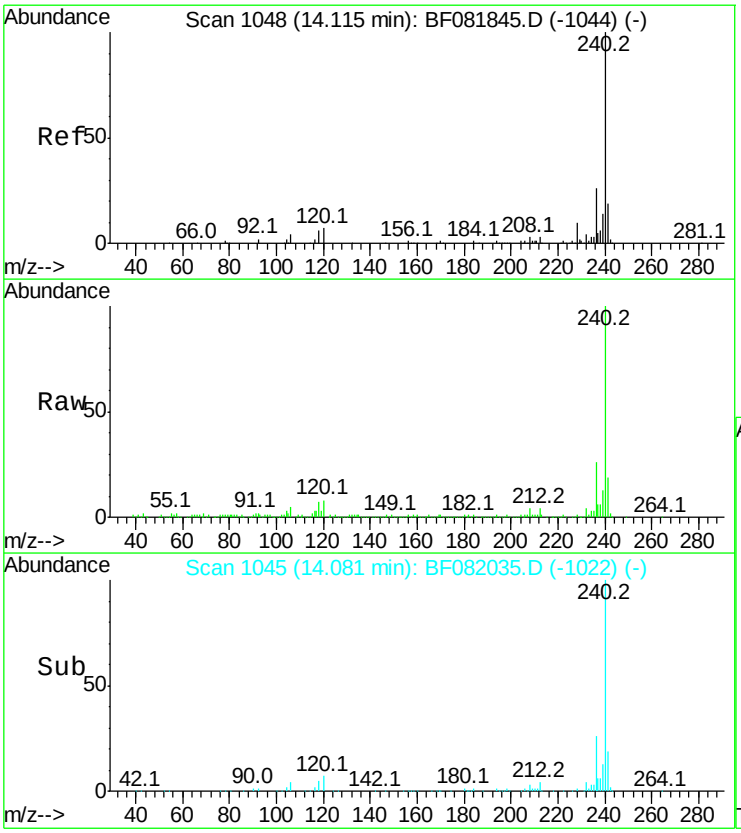

#74
Fluoranthene
Concen: 28.05 ng
RT: 12.65 min Scan# 920
Delta R.T. -0.02 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

**Instrument :**
BNA_F
**ClientSampleId :**
MGP220BR-9-10

Tgt Ion:202 Resp: 523486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 38.3 |
| 203 | 19.0 | 0.0 | 37.3 |

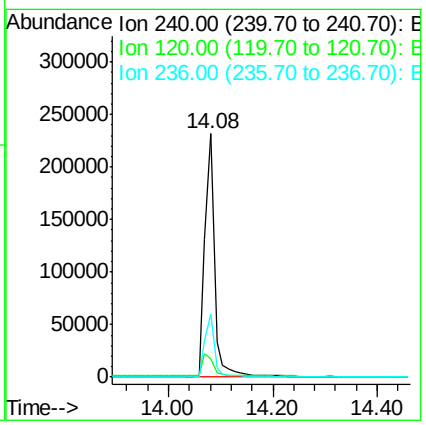


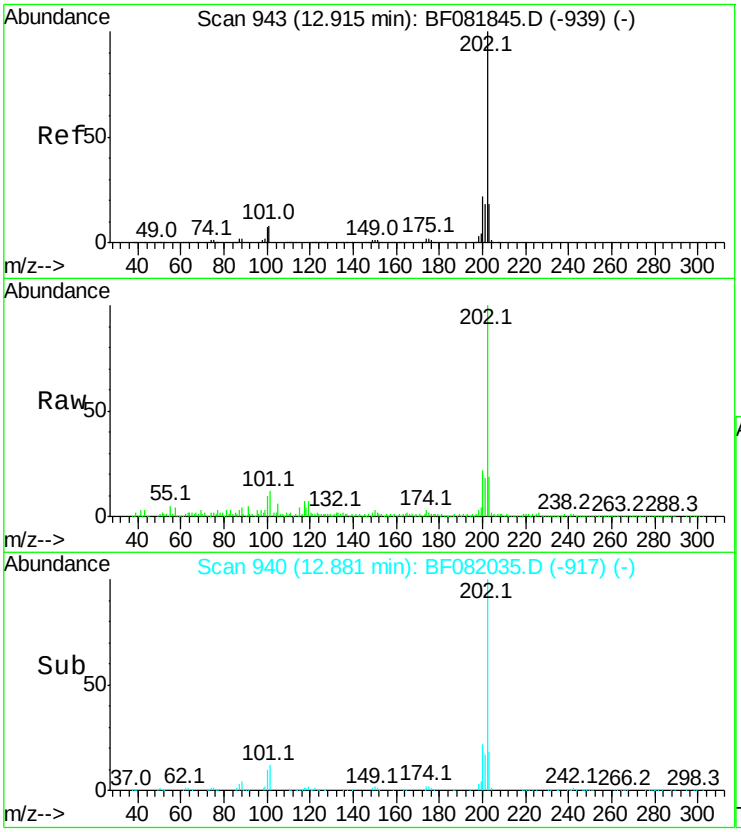




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

Tgt Ion:240 Resp: 303167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.8 | 16.2 | 24.2# |
| 236 | 25.8 | 18.4 | 27.6 |



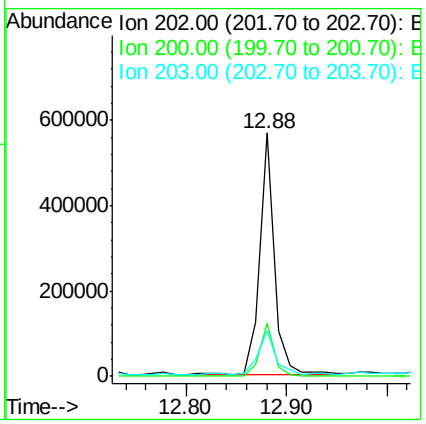


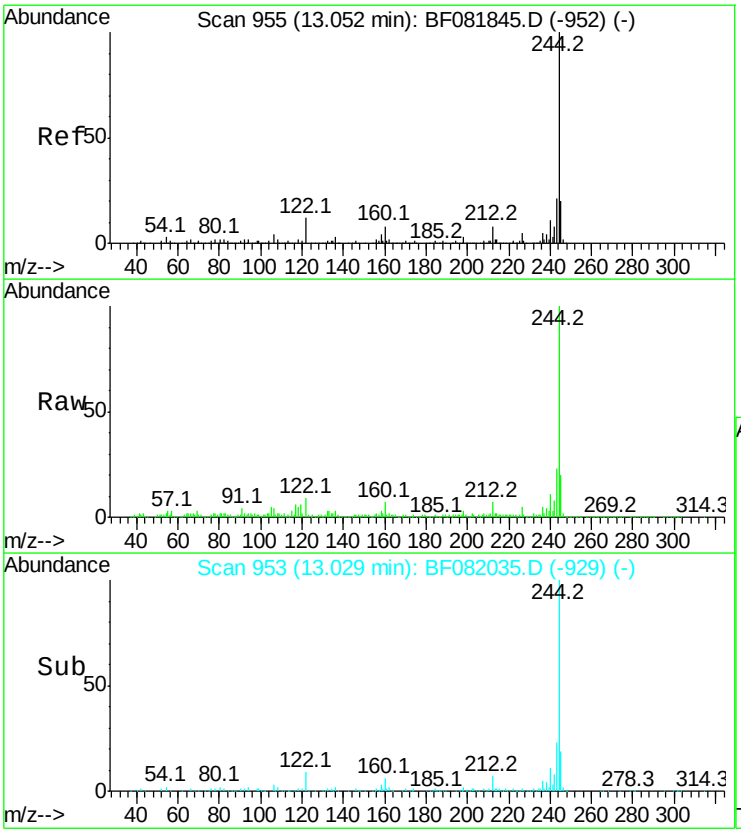

#77
Pyrene
Concen: 31.93 ng
RT: 12.88 min Scan# 940
Delta R.T. -0.03 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

**Instrument :**
BNA_F
**ClientSampleId :**
MGP220BR-9-10

Tgt Ion:202 Resp: 578311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 15.0 | 22.4 |
| 203 | 18.7 | 14.1 | 21.1 |

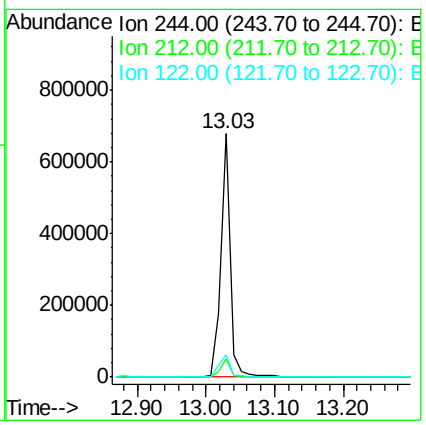


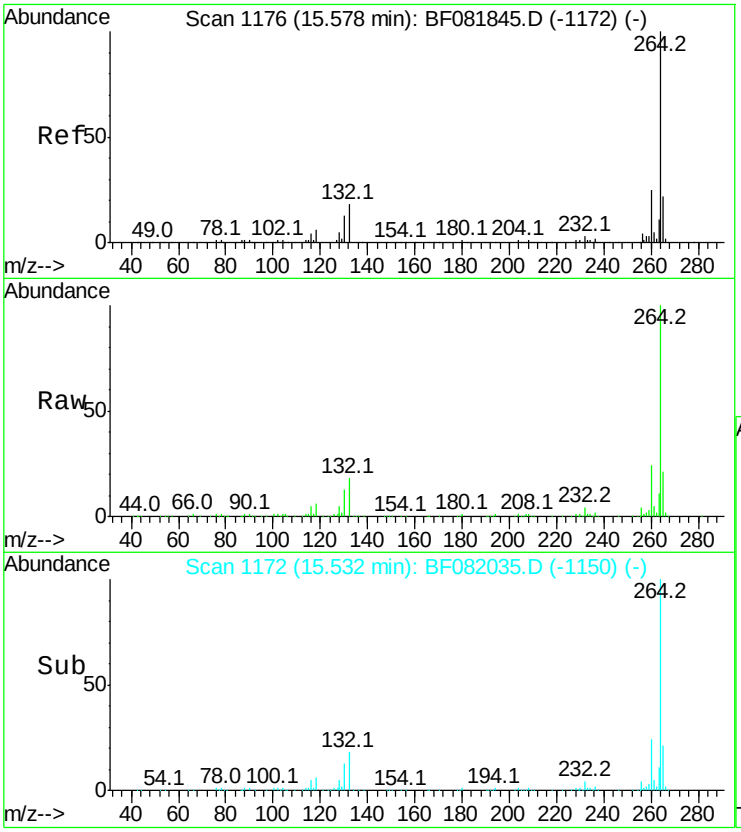




#78
Terphenyl-d14
Concen: 66.44 ng
RT: 13.03 min Scan# 953
Delta R.T. -0.02 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

Tgt Ion:244 Resp: 662436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 4.3 | 6.5# |
| 122 | 9.0 | 17.4 | 26.2# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF082035.D
Acq: 3 Oct 2015 21:55

**Instrument :**
BNA_F
**ClientSampleId :**
MGP220BR-9-10

Tgt Ion:264 Resp: 252723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 16.7 | 25.1 |
| 265 | 21.4 | 17.2 | 25.8 |