Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087022.D
Acq On : 14 May 2016 16:13
Operator : UM/SJ
Sample : H2947-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-33

Quant Time: May 16 02:19:46 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 16 01:11:12 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.62 | 152 | 134684 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 529144 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 9.64 | 164 | 236682 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.13 | 188 | 473231 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.75 | 240 | 306535 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.11 | 264 | 278182 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.20 | 112 | 358200 | 45.04 | ng | 0.00 |
| 7) Phenol-d6 | 6.28 | 99 | 354844 | 33.39 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.19 | 82 | 860688 | 81.67 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.44 | 330 | 272819 | 108.88 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 8.98 | 172 | 1196322 | 84.95 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.71 | 244 | 1031349 | 71.39 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

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Acq On : 14 May 2016 16:13
Operator : UM/SJ
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Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :**
BNA_F
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MW-33

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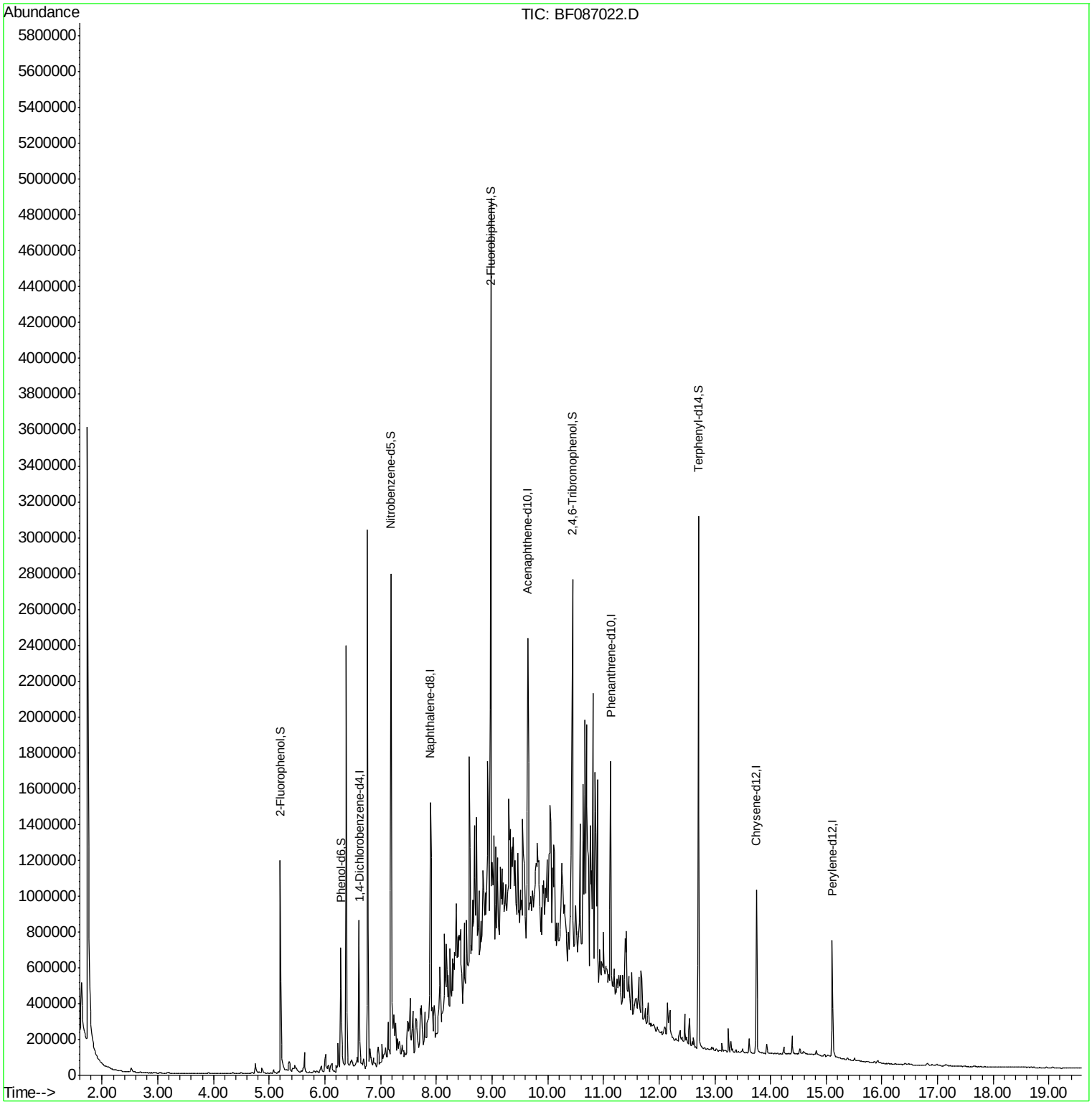
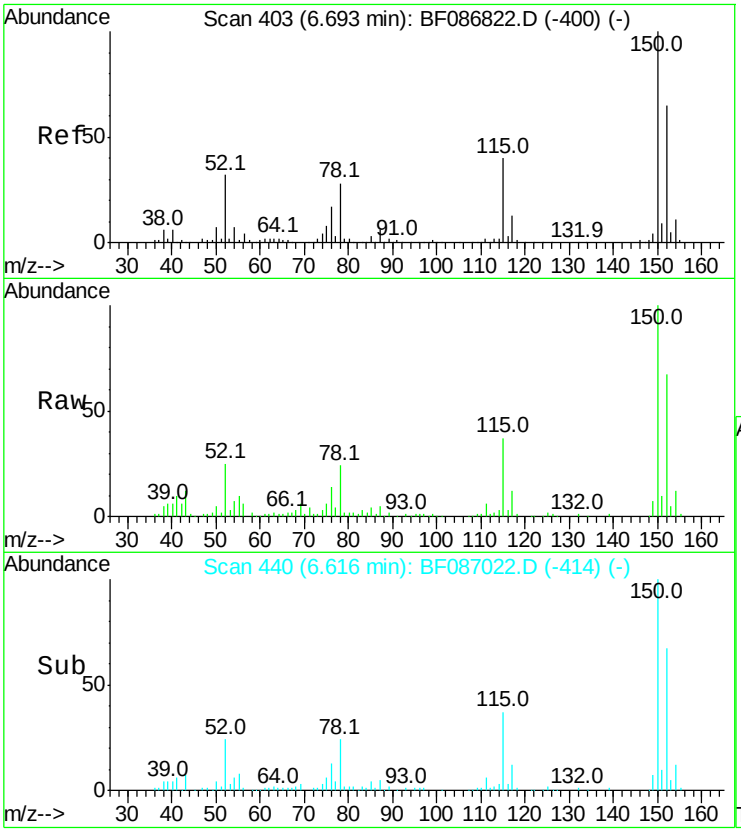


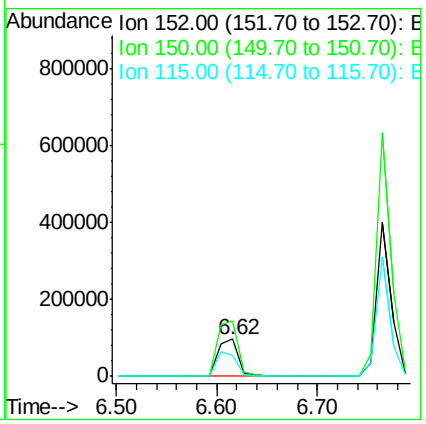


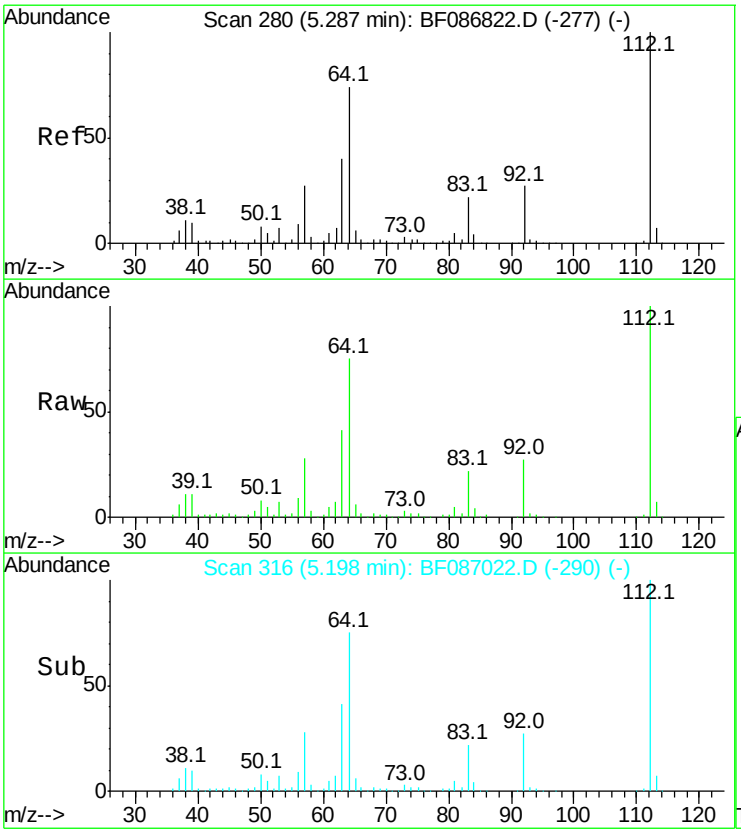

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

**Instrument :**
BNA_F
**ClientSampleId :**
MW-33

Tgt Ion:152 Resp: 134684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.3 | 125.8 | 188.6 |
| 115 | 56.1 | 51.5 | 77.3 |

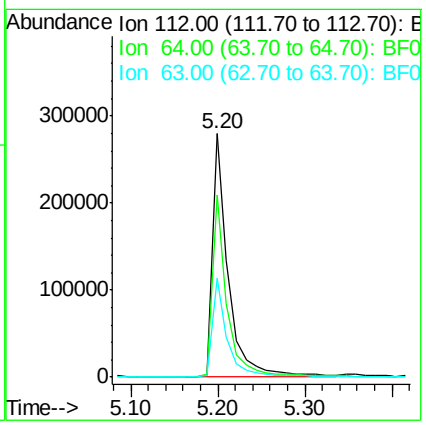


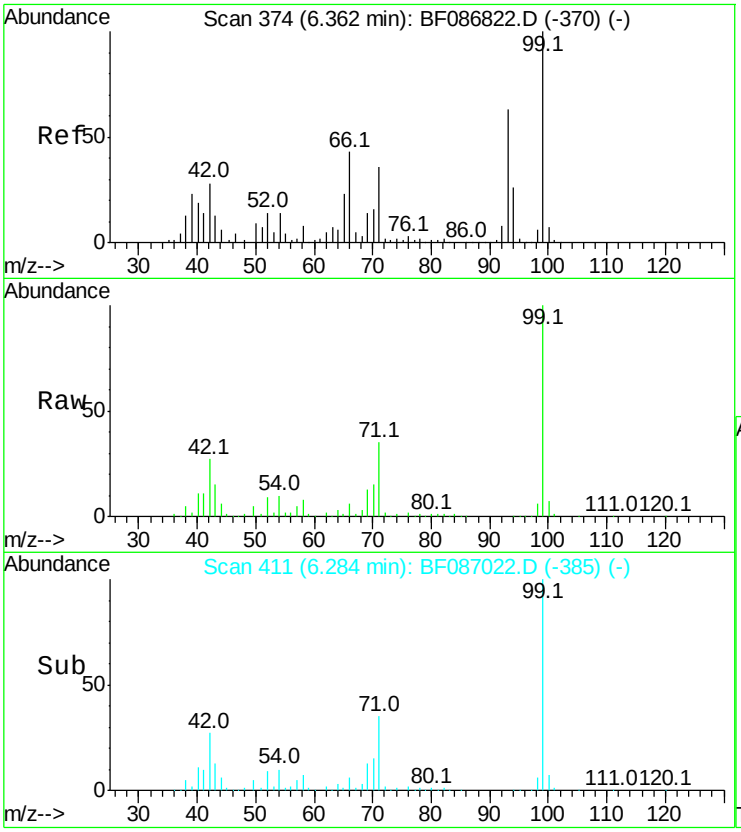




#5
2-Fluorophenol
Concen: 45.04 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.00 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

Tgt Ion:112 Resp: 358200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 75.1 | 52.1 | 78.1 |
| 63 | 40.8 | 25.7 | 38.5# |



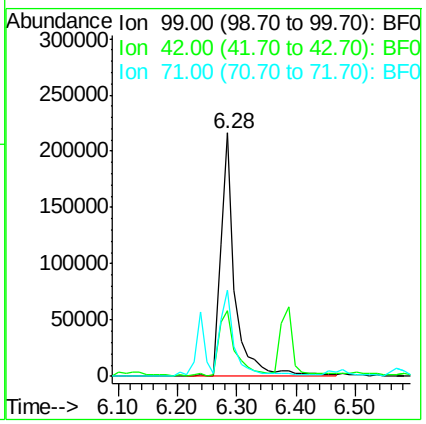


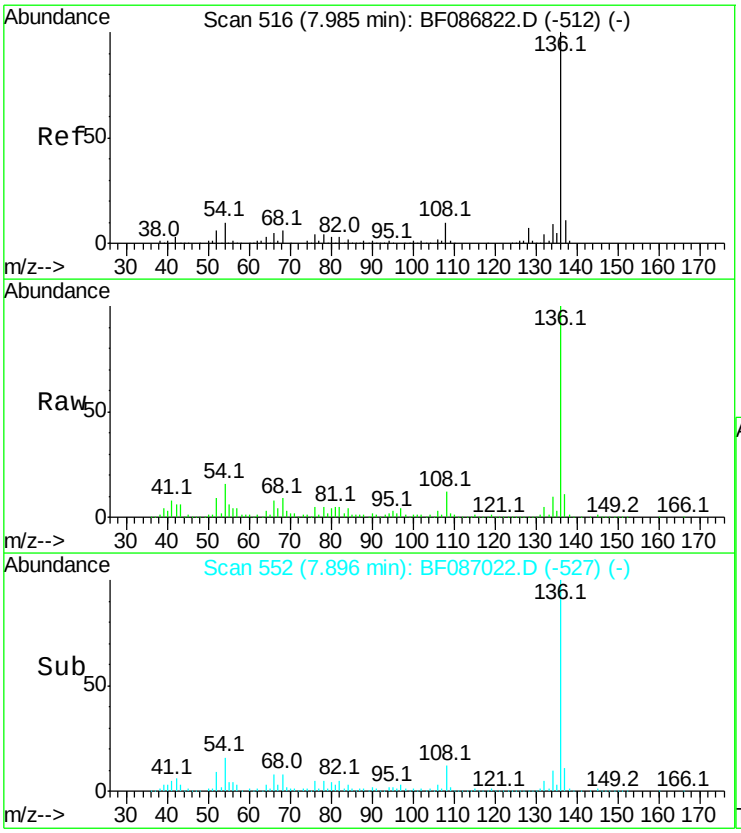

#7
Phenol-d6
Concen: 33.39 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

**Instrument :**
BNA_F
**ClientSampleId :**
MW-33

Tgt Ion: 99 Resp: 354844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.1 | 13.6 | 20.4# |
| 71 | 35.2 | 24.6 | 36.8 |

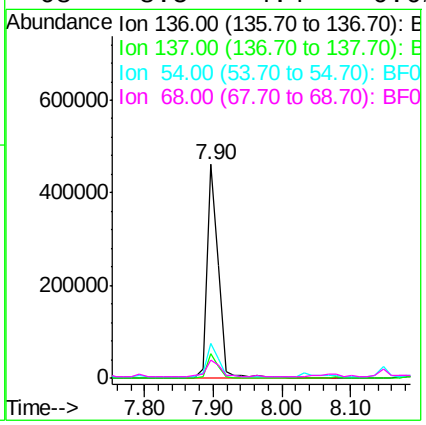


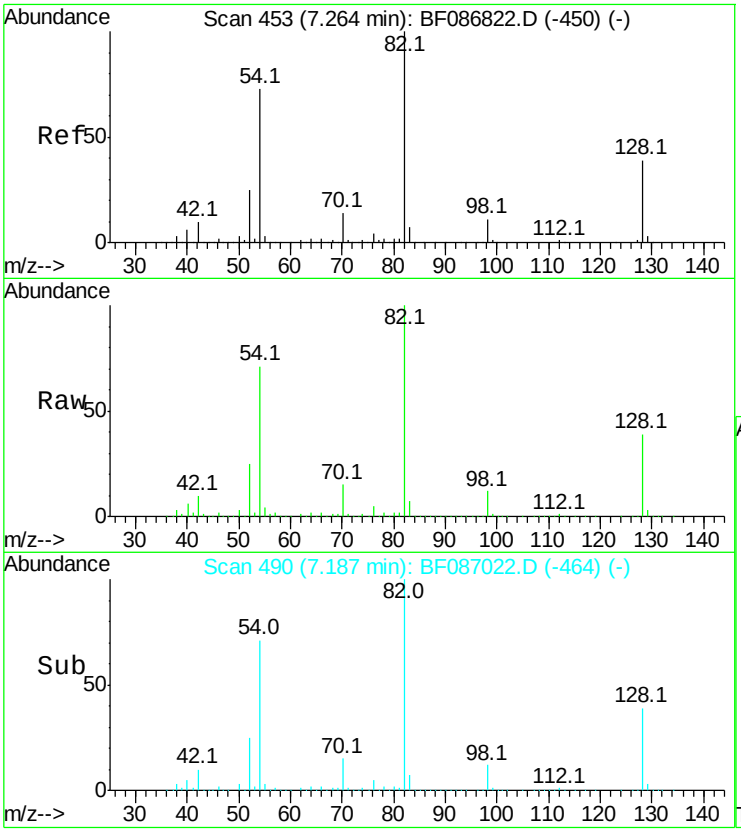




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

Tgt Ion:136 Resp: 529144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 16.1 | 5.0 | 7.4# |
| 68 | 8.5 | 4.4 | 6.6# |



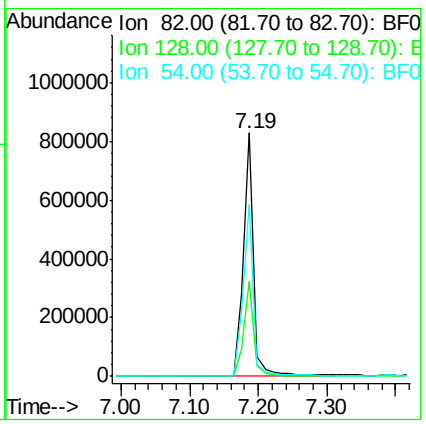


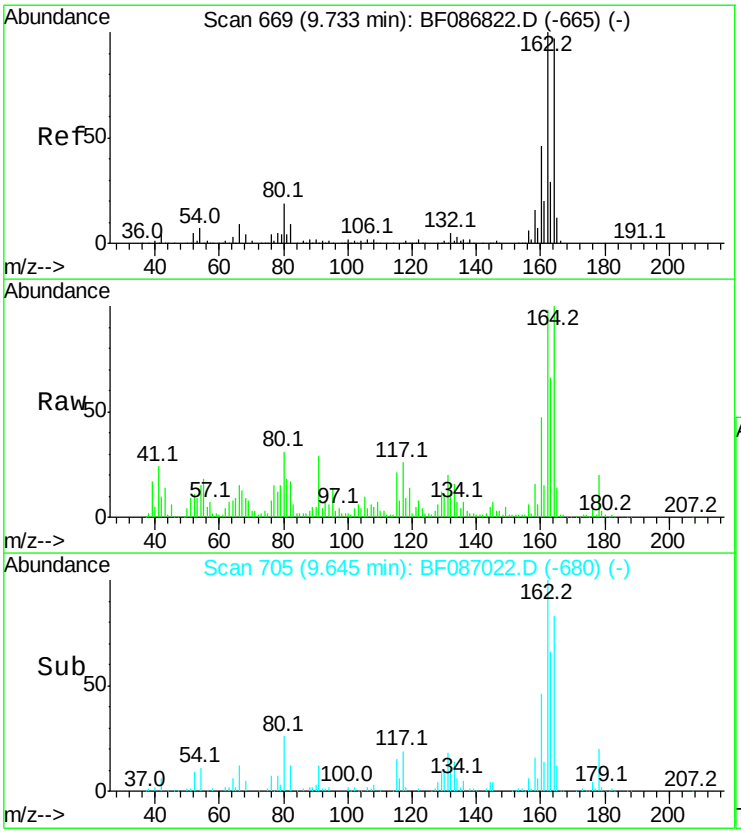

#23
Nitrobenzene-d5
Concen: 81.67 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.00 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

**Instrument :**
BNA_F
**ClientSampleId :**
MW-33

Tgt Ion: 82 Resp: 860688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.9 | 40.6 | 61.0# |
| 54 | 70.7 | 38.1 | 57.1# |

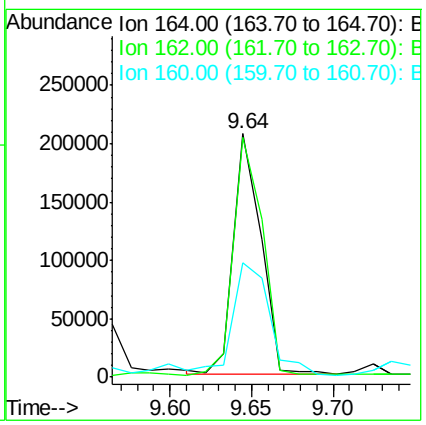


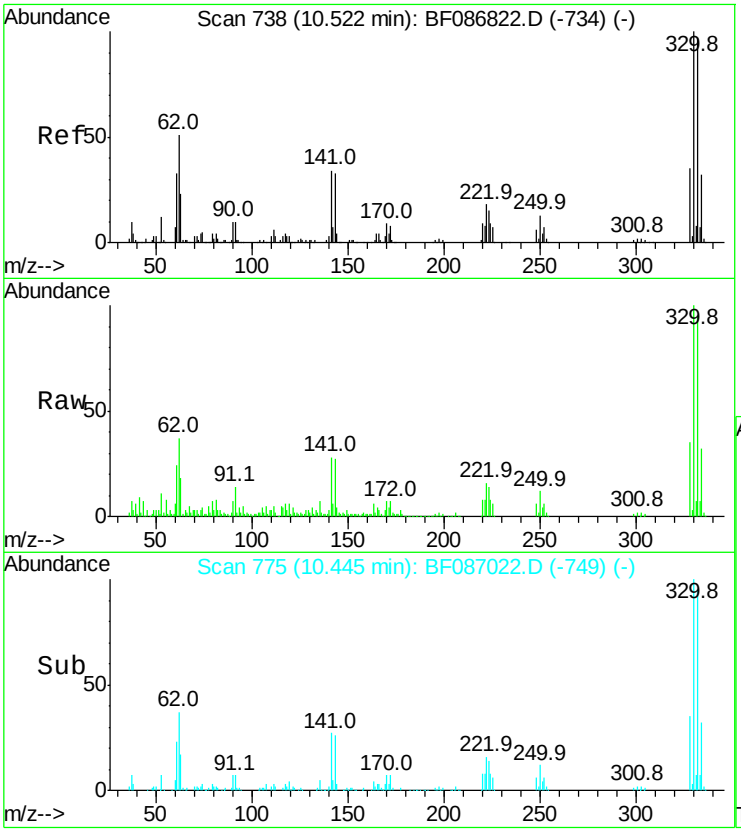




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.01 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

Tgt Ion:164 Resp: 236682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.5 | 82.8 | 124.2 |
| 160 | 46.9 | 36.9 | 55.3 |



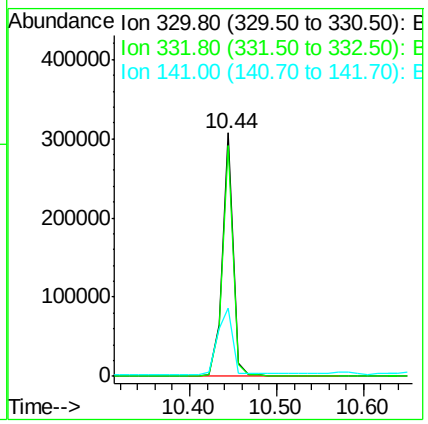


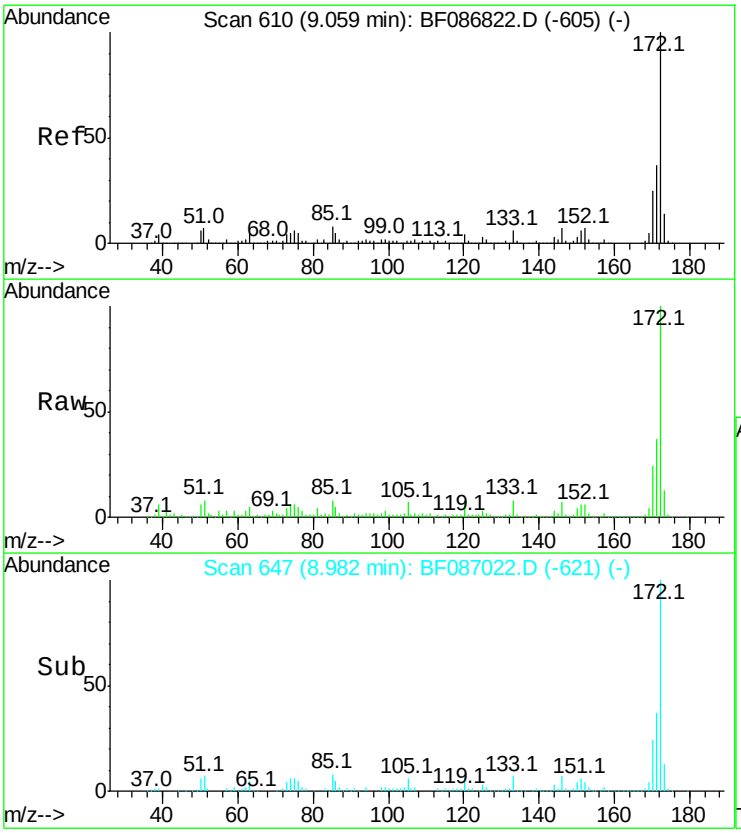

#41
2,4,6-Tribromophenol
Concen: 108.88 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.00 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

**Instrument :**
BNA_F
**ClientSampleId :**
MW-33

Tgt Ion:330 Resp: 272819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.7 | 79.0 | 118.4 |
| 141 | 38.7 | 31.2 | 46.8 |

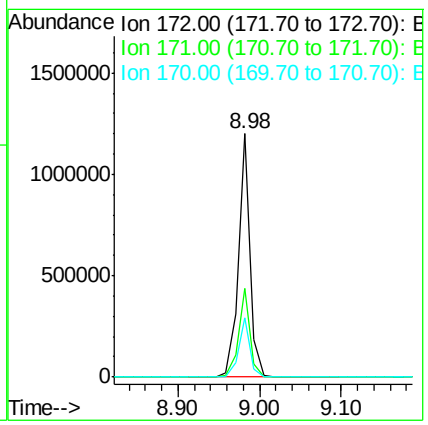


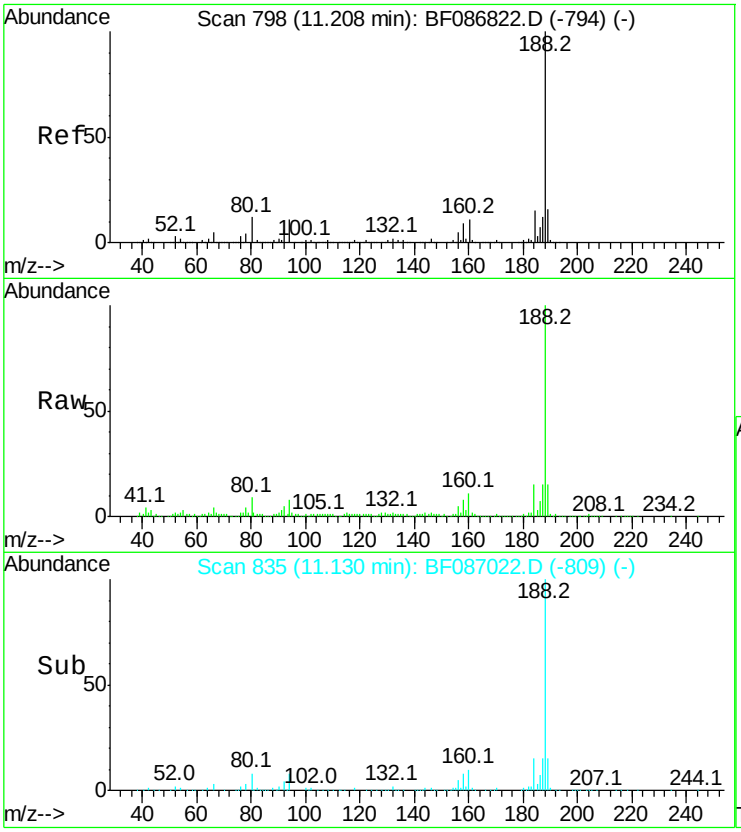




#44
2-Fluorobiphenyl
Concen: 84.95 ng
RT: 8.98 min Scan# 647
Delta R.T. -0.00 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

Tgt Ion:172 Resp: 1196322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.7 | 29.0 | 43.6 |
| 170 | 24.4 | 19.8 | 29.8 |



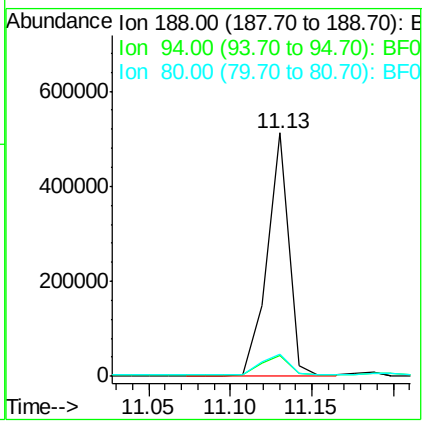


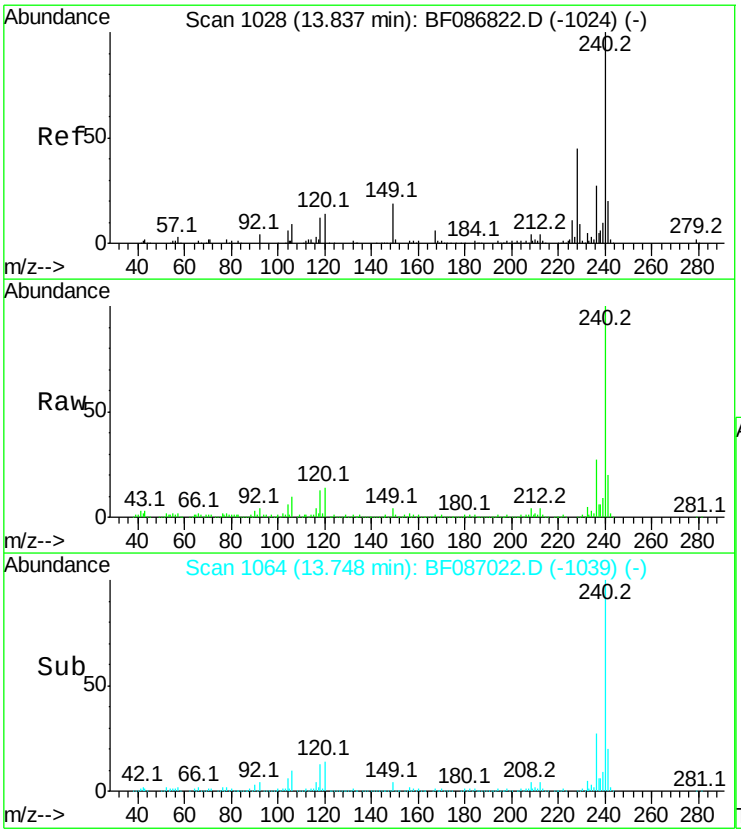

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

**Instrument :**
BNA_F
**ClientSampleId :**
MW-33

Tgt Ion:188 Resp: 473231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.8 | 10.2 |
| 80 | 8.9 | 7.1 | 10.7 |

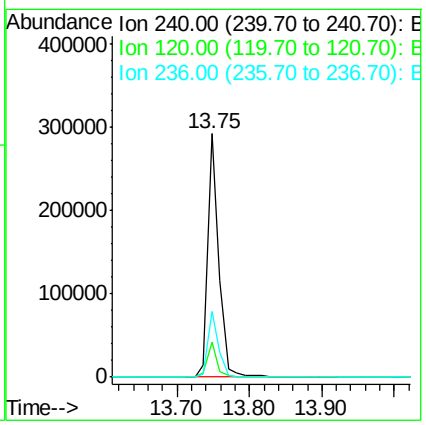


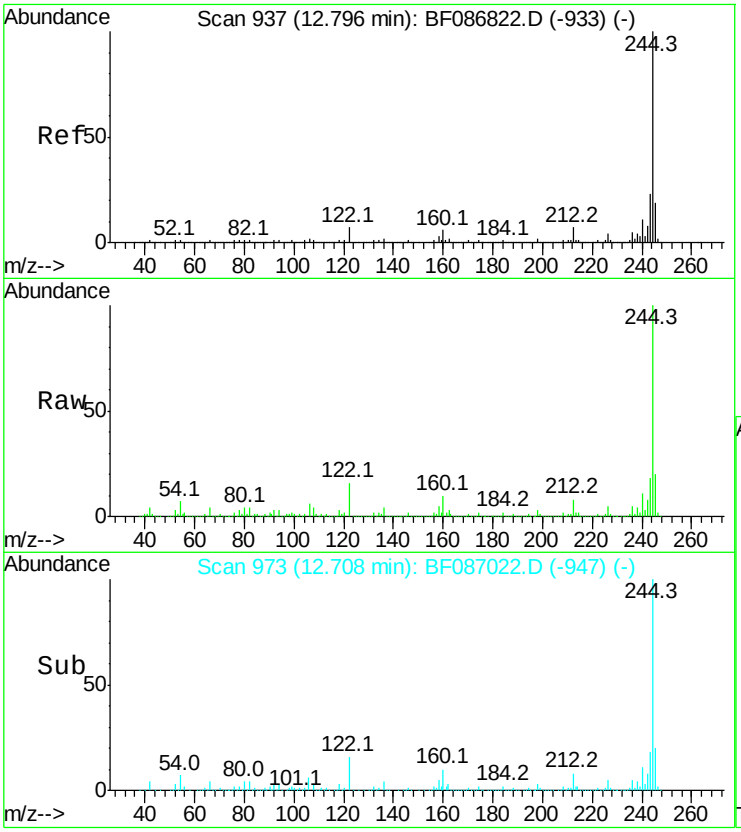




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

Tgt Ion:240 Resp: 306535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.5 | 11.2 | 16.8 |
| 236 | 26.9 | 21.2 | 31.8 |



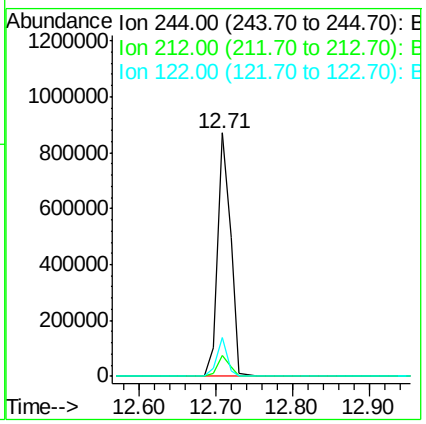


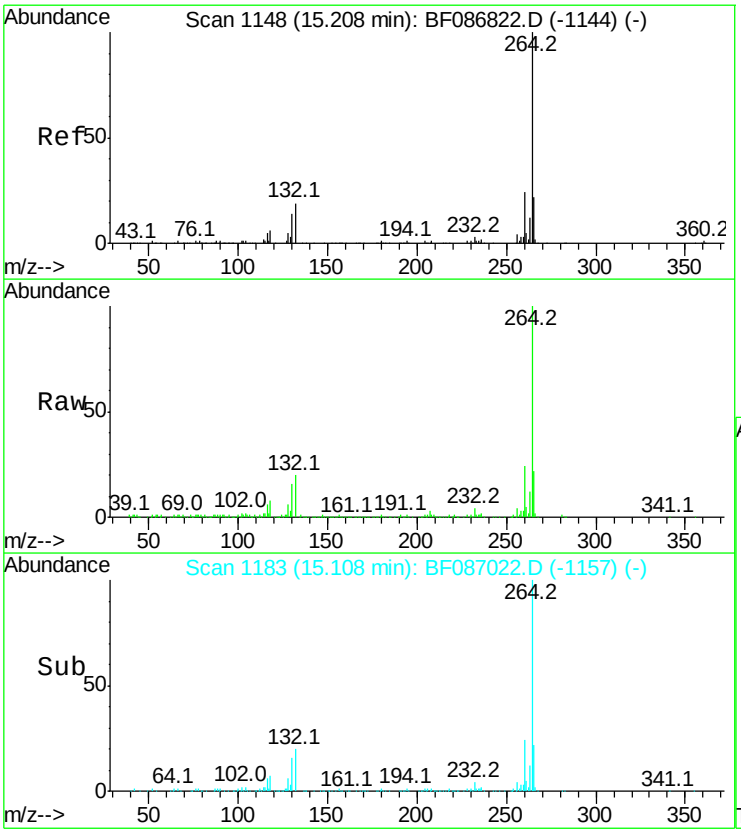

#78
Terphenyl-d14
Concen: 71.39 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.00 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

**Instrument :**
BNA_F
**ClientSampleId :**
MW-33

Tgt Ion:244 Resp: 1031349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.3 | 6.2 | 9.2 |
| 122 | 15.7 | 12.0 | 18.0 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BF087022.D
Acq: 14 May 2016 16:13

Tgt Ion:264 Resp: 278182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 19.5 | 29.3 |
| 265 | 21.7 | 17.3 | 25.9 |