Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080918\
Data File : BM016277.D
Acq On : 09 Aug 2018 12:24
Operator : SJ/JU
Sample : J4356-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** MW-29

Quant Time: Aug 10 05:21:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 16:23:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.13 | 152 | 40533 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.95 | 136 | 145075 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.77 | 164 | 74235 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.50 | 188 | 149043 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.63 | 240 | 160515 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.97 | 264 | 175749 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 170318 | 69.80 | ng | | 0.00 |
| 7) Phenol-d6 | 7.30 | 99 | 117762 | 36.96 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.32 | 82 | 361693 | 115.96 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.26 | 330 | 159594 | 169.50 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.39 | 172 | 696187 | 114.11 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.09 | 244 | 1004632 | 131.02 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.46 | 88 | 2680 | 2.344 | ng | # | 100 |
| 49) Dimethylphthalate | 14.22 | 163 | 20500 | 3.155 | ng | | 98 |
| 51) Acenaphthene | 14.83 | 154 | 12402 | 2.644 | ng | # | 88 |

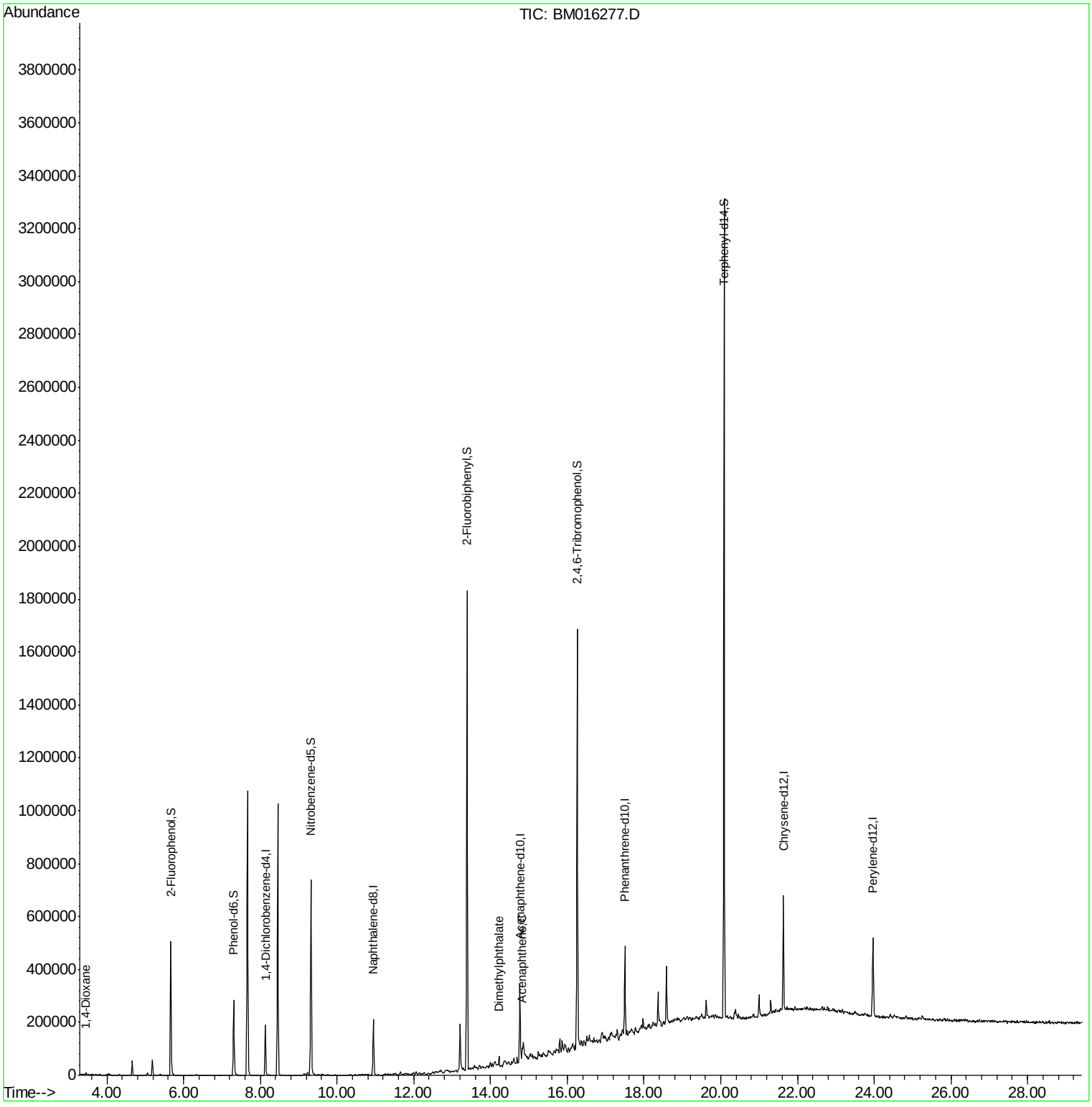
(#) = qualifier out of range (m) = manual integration (+) = signals summed

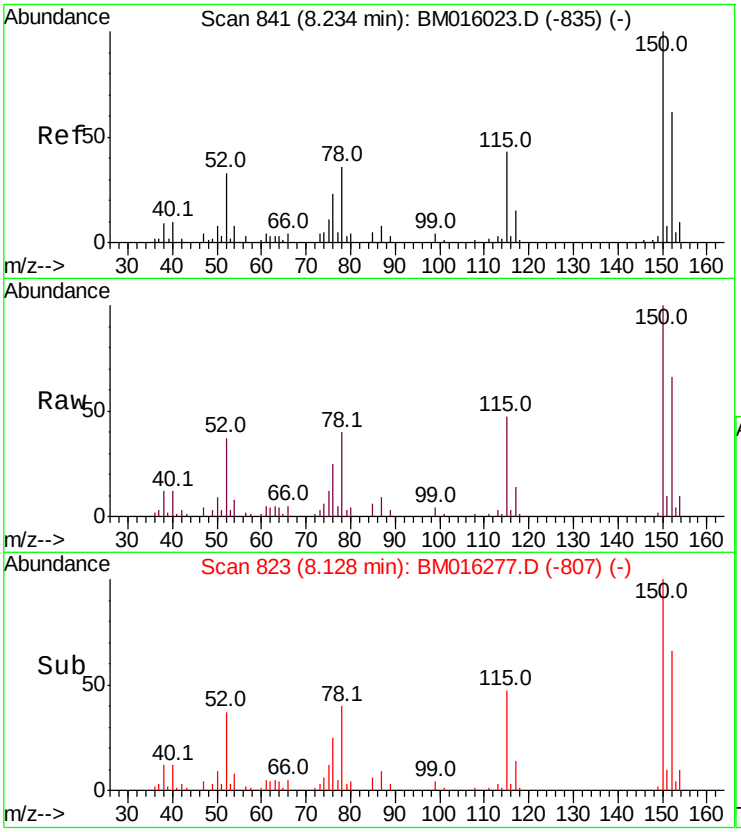
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080918\
Data File : BM016277.D
Acq On : 09 Aug 2018 12:24
Operator : SJ/JU
Sample : J4356-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MW-29

Quant Time: Aug 10 05:21:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 16:23:37 2018
Response via : Initial Calibration



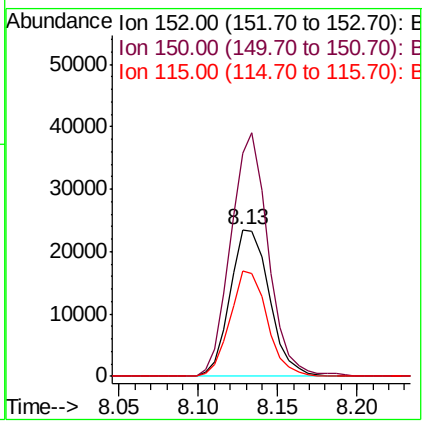


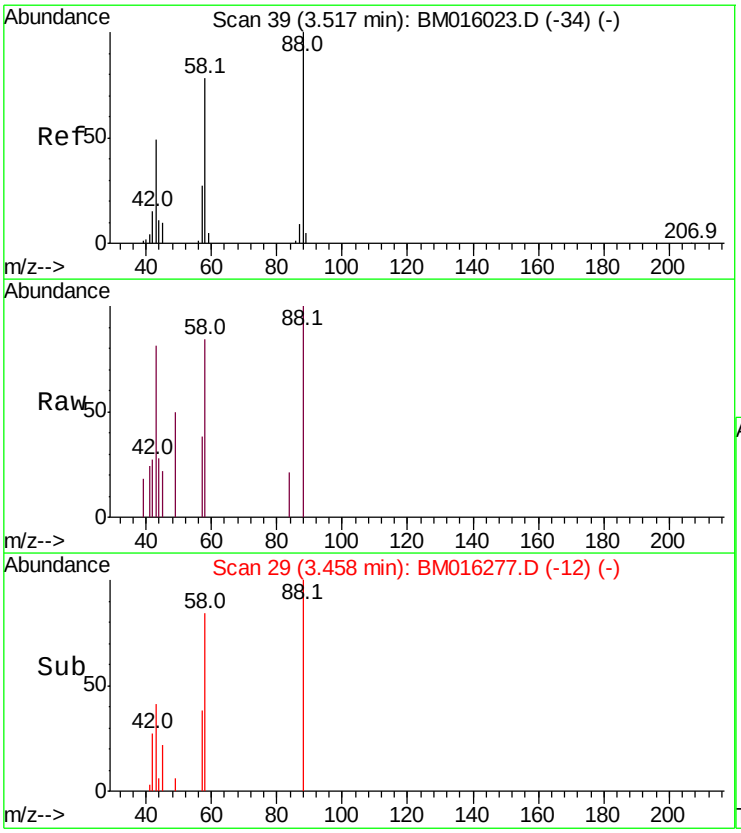

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 823
Delta R.T. -0.01 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

**Instrument :**
BNA_M
**ClientSampleId :**
MW-29

Tgt Ion:152 Resp: 40533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.6 | 119.5 | 179.3 |
| 115 | 72.4 | 43.0 | 64.4# |

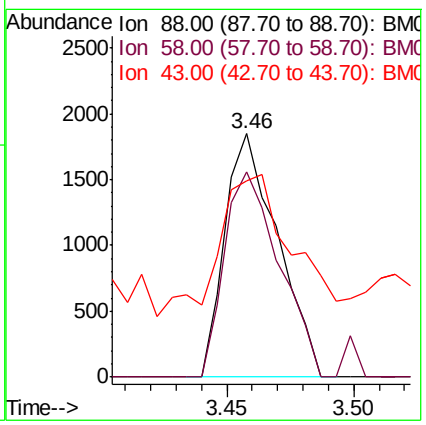


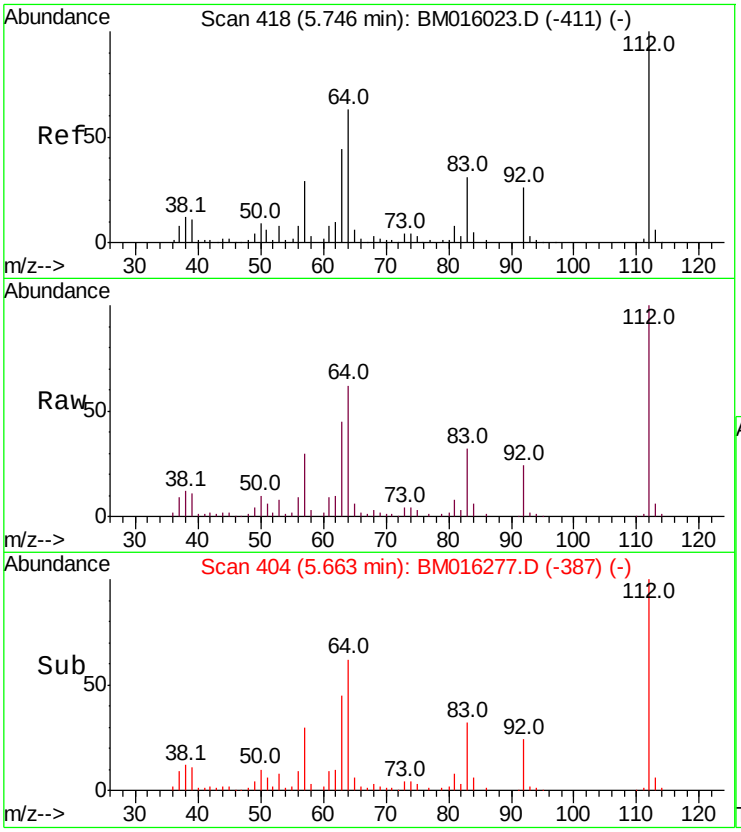




#2
1,4-Dioxane
Concen: 2.344 ng
RT: 3.46 min Scan# 29
Delta R.T. 0.00 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

Tgt Ion: 88 Resp: 2680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.8 | 0.0 | 0.0# |
| 43 | 58.7 | 0.0 | 0.0# |



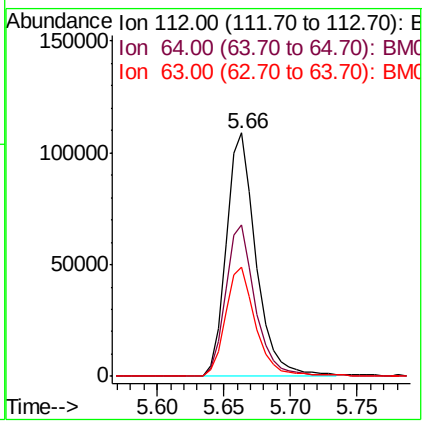


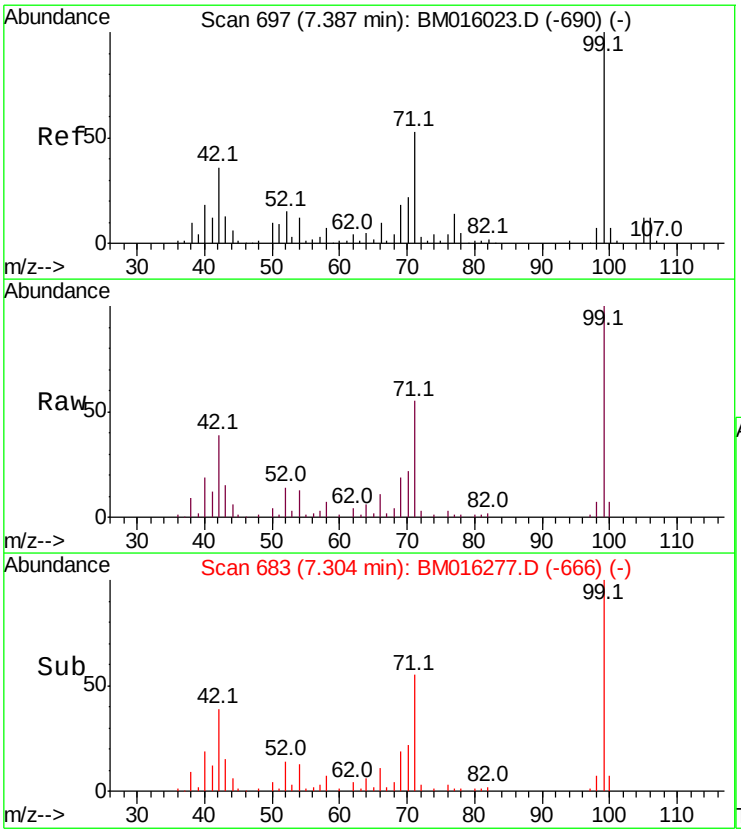

#5
2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. 0.00 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

**Instrument :**
BNA_M
**ClientSampleId :**
MW-29

Tgt Ion:112 Resp: 170318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.0 | 38.6 | 57.8# |
| 63 | 44.9 | 19.3 | 28.9# |

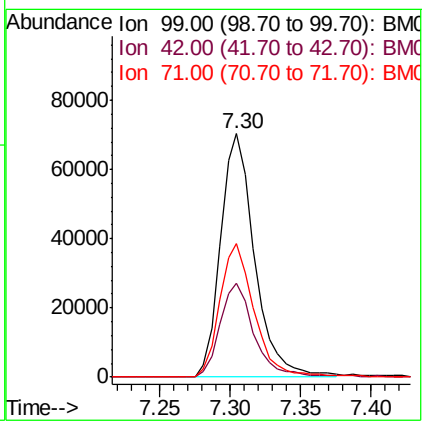


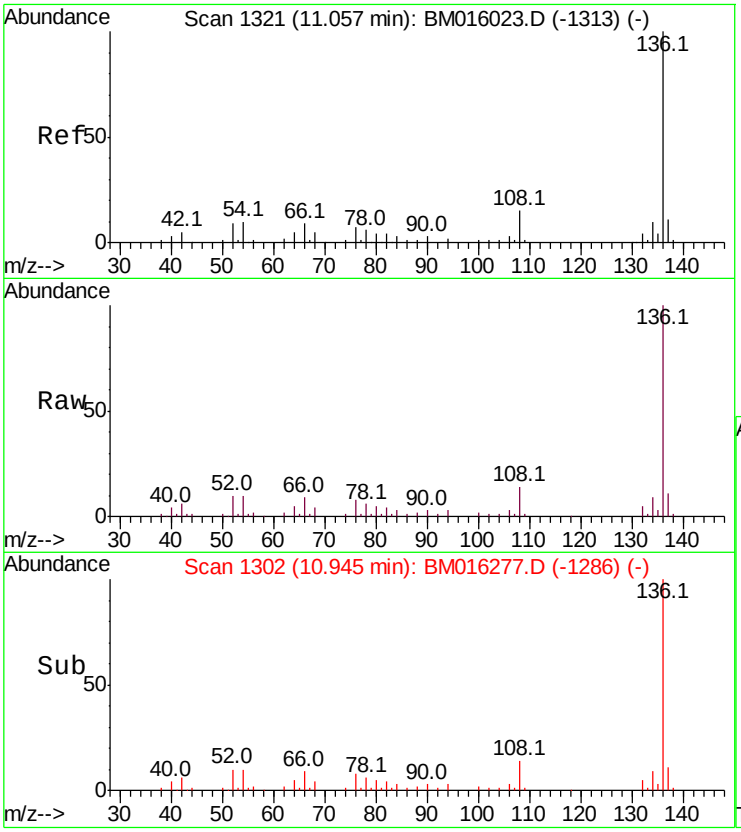




#7
Phenol-d6
Concen: N.D. ng
RT: 7.30 min Scan# 683
Delta R.T. 0.00 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

Tgt Ion: 99 Resp: 117762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 38.6 | 11.0 | 16.4# |
| 71 | 54.8 | 23.4 | 35.2# |



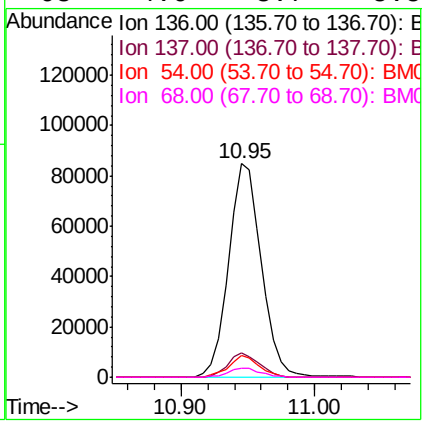


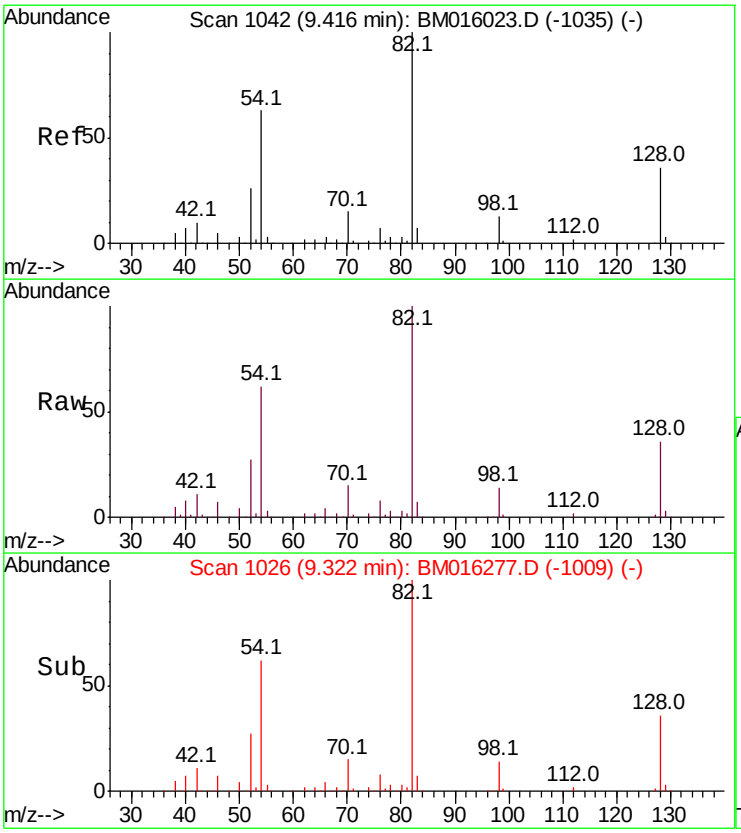

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

**Instrument :**
BNA_M
**ClientSampleId :**
MW-29

Tgt Ion:136 Resp: 145075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.7 | 13.1 |
| 54 | 10.0 | 4.6 | 6.8# |
| 68 | 4.0 | 3.7 | 5.5 |

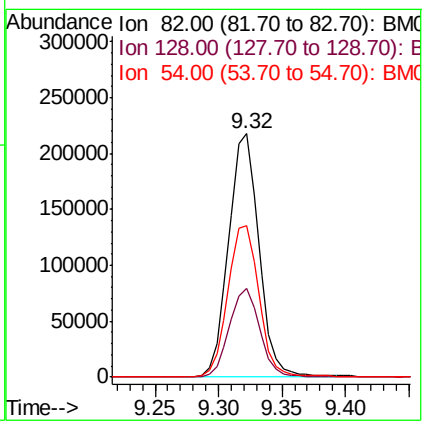


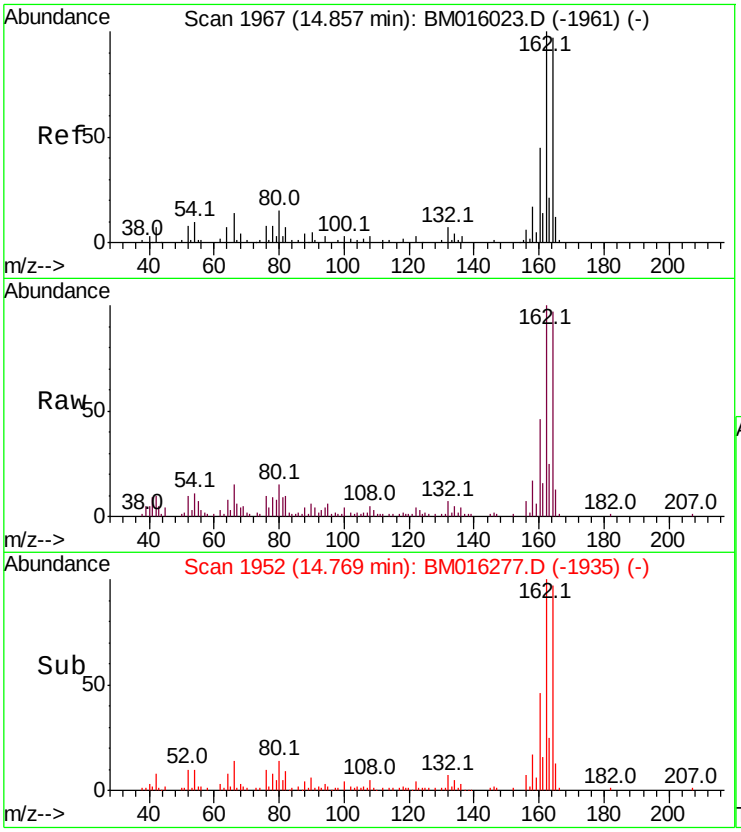




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

Tgt Ion: 82 Resp: 361693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.2 | 32.8 | 49.2 |
| 54 | 62.0 | 40.6 | 60.8# |



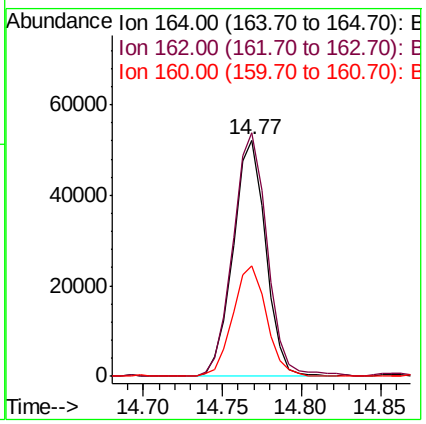


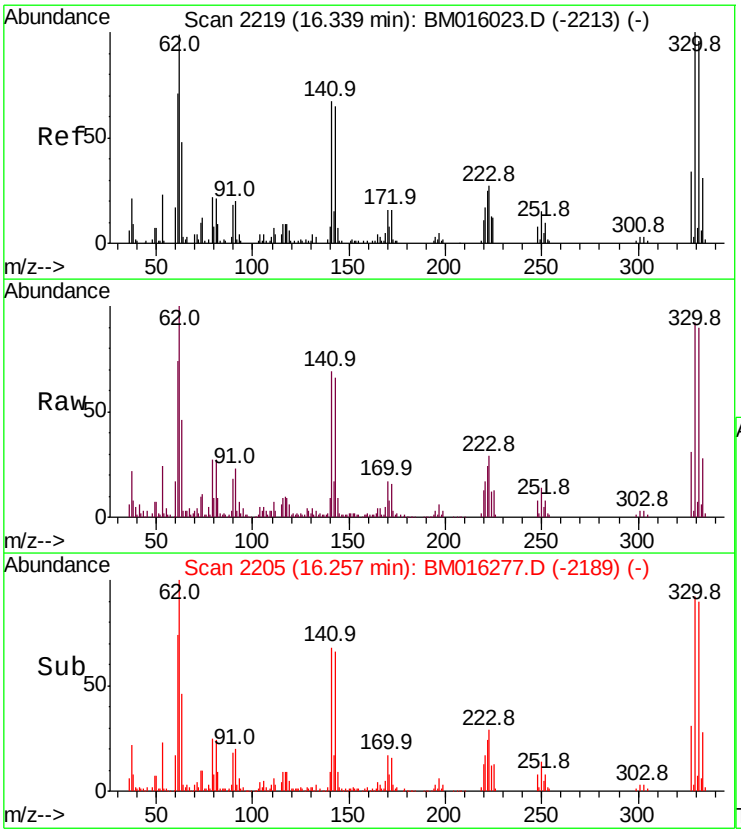

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

**Instrument :**
BNA_M
**ClientSampleId :**
MW-29

Tgt Ion:164 Resp: 74235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.2 | 82.4 | 123.6 |
| 160 | 47.0 | 35.8 | 53.6 |

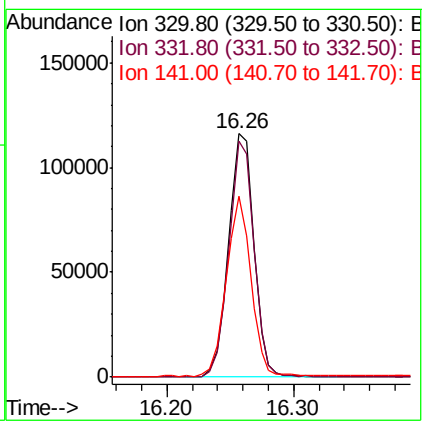


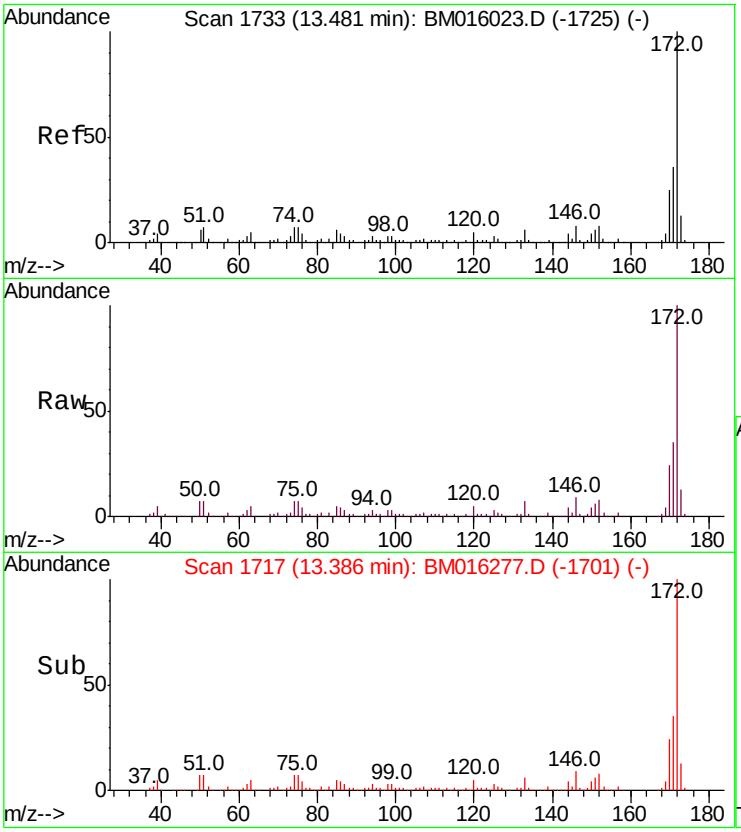




#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 16.26 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

Tgt Ion:330 Resp: 159594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 0.0 | 0.0# |
| 141 | 72.0 | 0.0 | 0.0# |



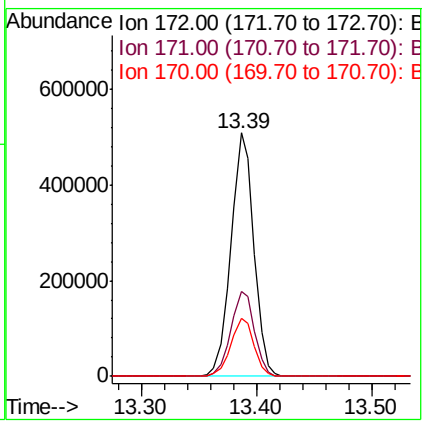


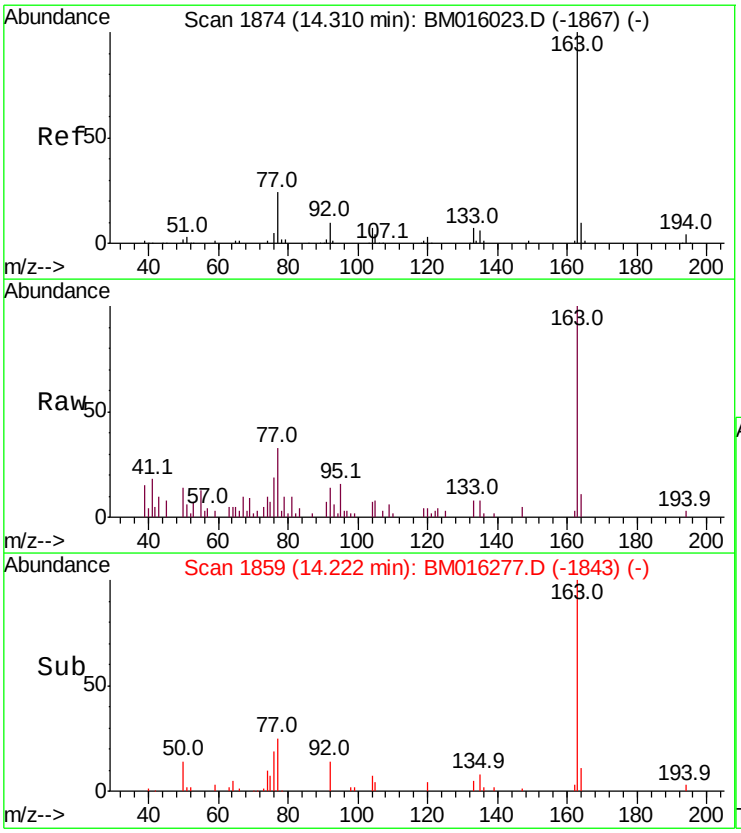

#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 13.39 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

**Instrument :**
BNA_M
**ClientSampleId :**
MW-29

Tgt Ion:172 Resp: 696187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 28.5 | 42.7 |
| 170 | 24.1 | 18.8 | 28.2 |

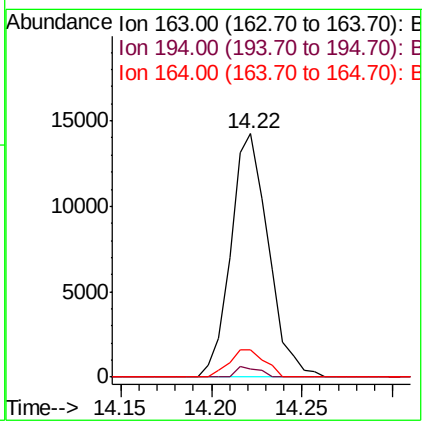


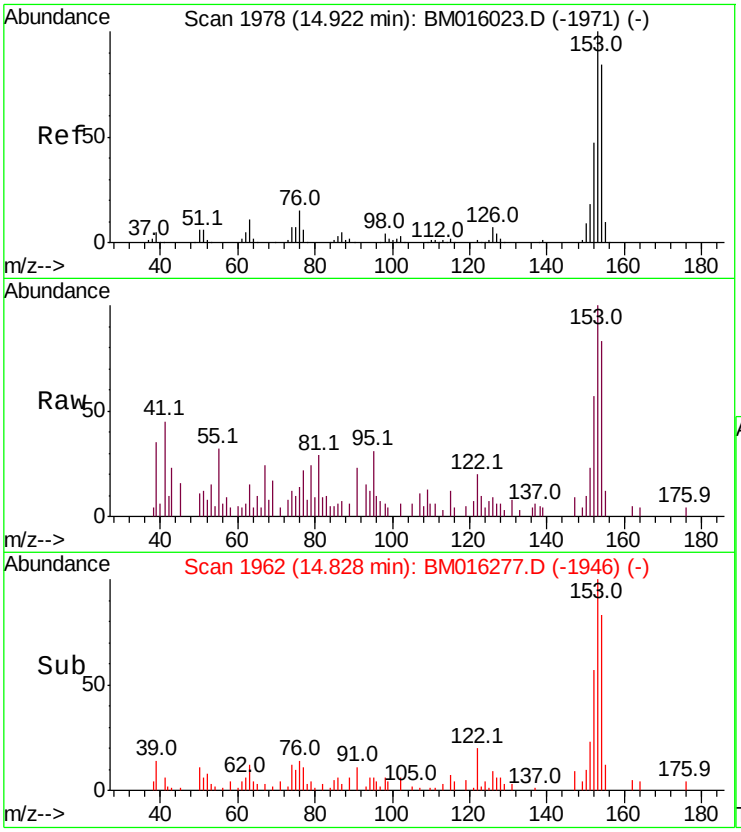




#49
Dimethylphthalate
Concen: 3.155 ng
RT: 14.22 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

Tgt Ion:163 Resp: 20500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.3 | 2.7 | 4.1 |
| 164 | 11.1 | 8.2 | 12.2 |



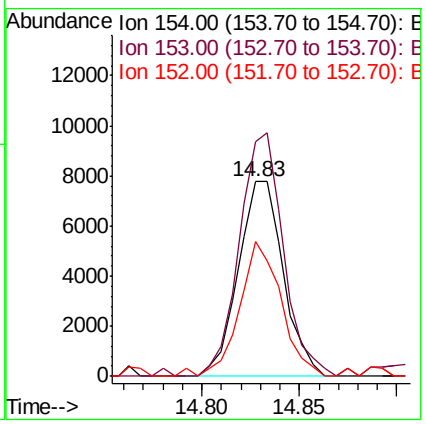


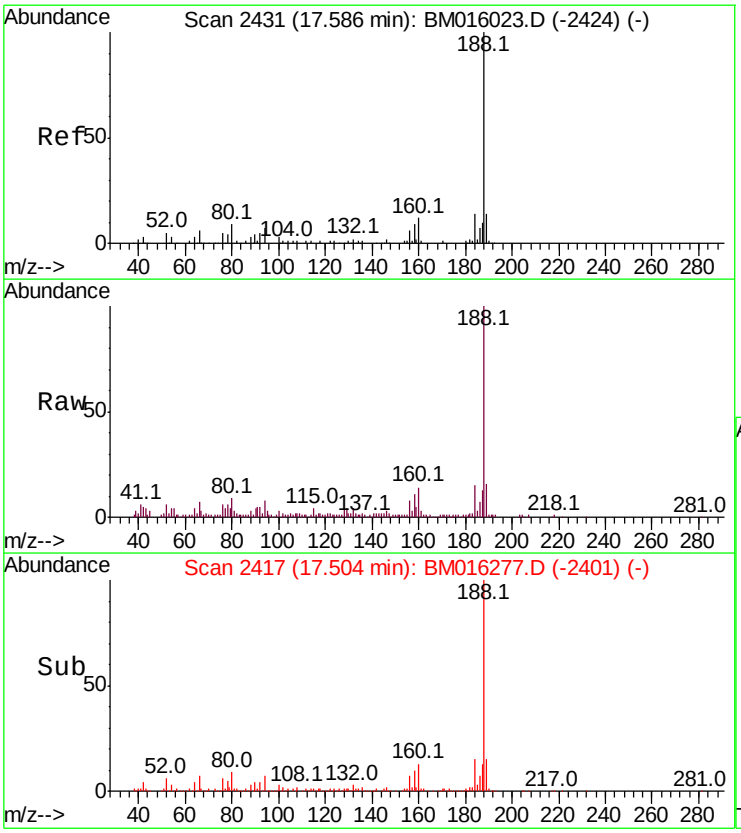

#51
Acenaphthene
Concen: 2.644 ng
RT: 14.83 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

**Instrument :**
BNA_M
**ClientSampleId :**
MW-29

Tgt Ion:154 Resp: 12402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 120.3 | 90.0 | 135.0 |
| 152 | 69.1 | 42.6 | 63.8# |

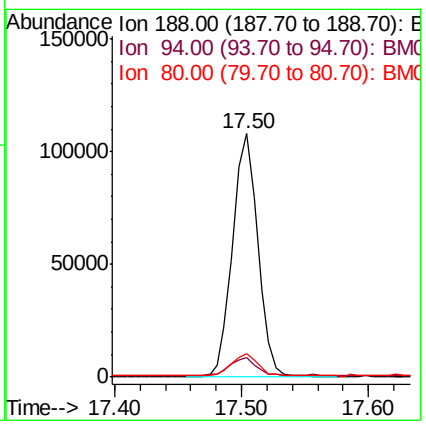


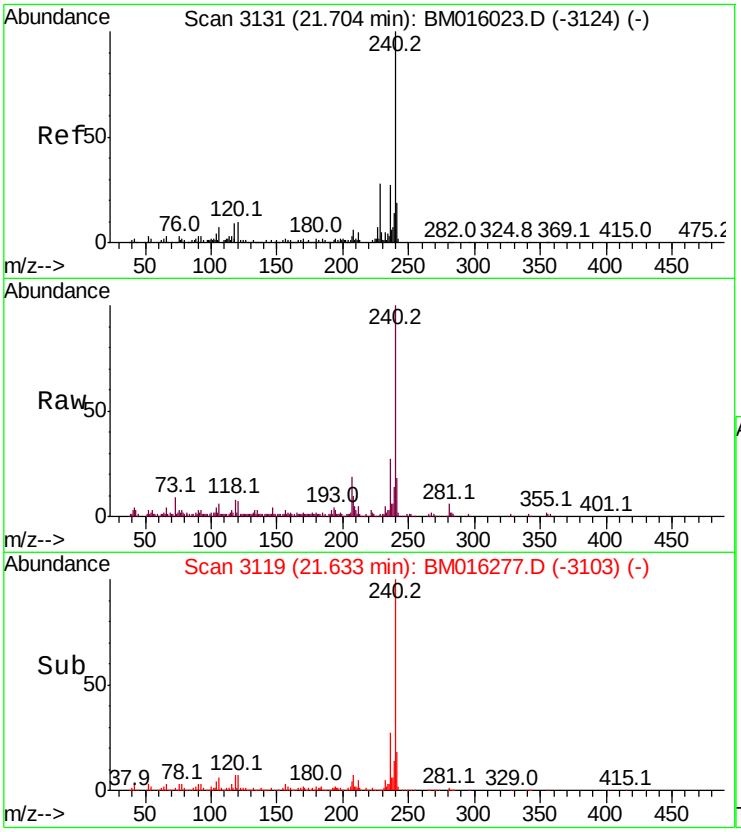




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

Tgt Ion:188 Resp: 149043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 8.7 | 13.1# |
| 80 | 9.4 | 9.3 | 13.9 |



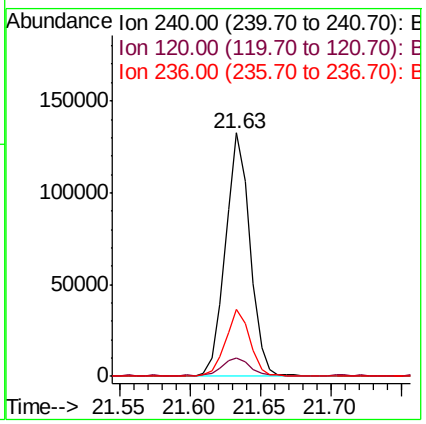


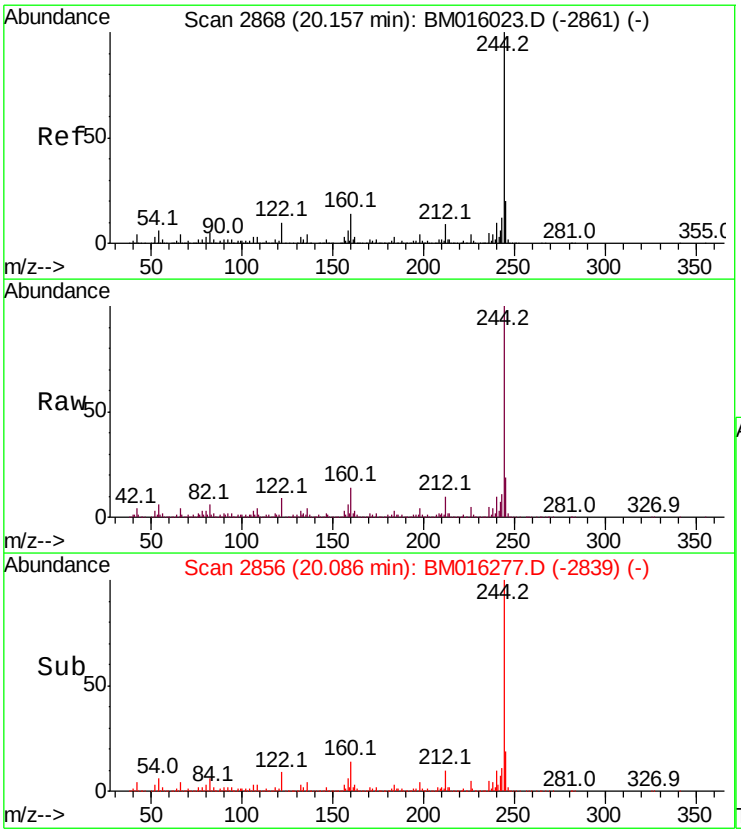

#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

**Instrument :**
BNA_M
**ClientSampleId :**
MW-29

Tgt Ion:240 Resp: 160515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.3 | 8.2 | 12.2# |
| 236 | 27.4 | 20.0 | 30.0 |

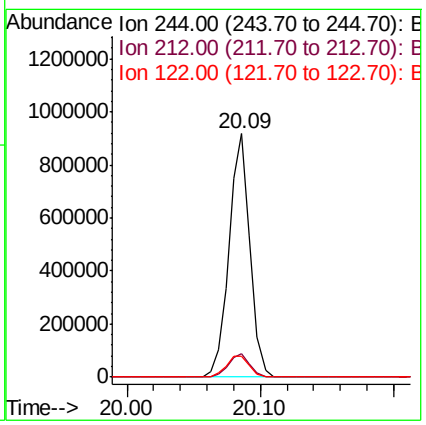


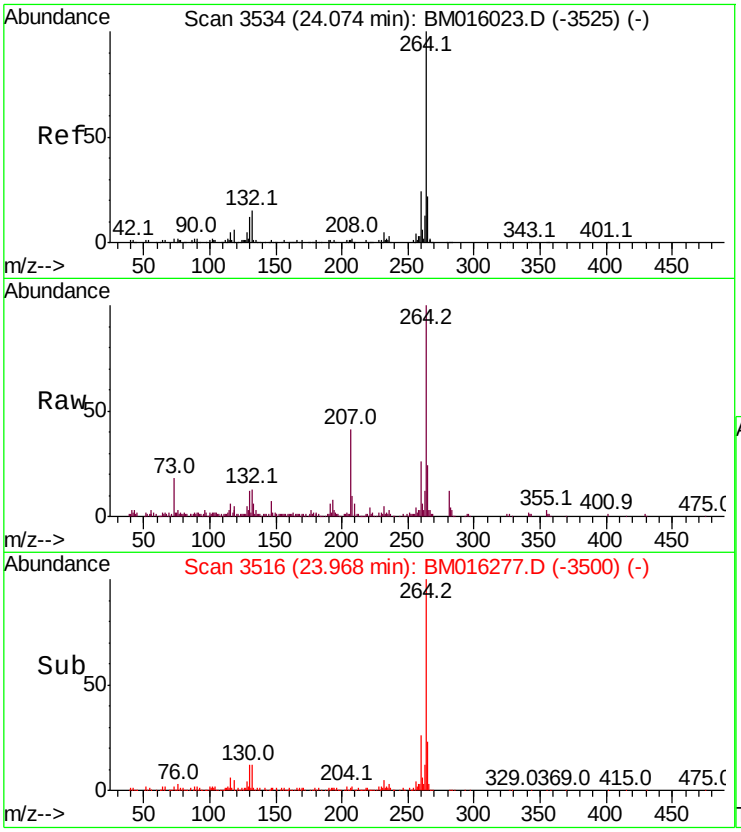




#78
Terphenyl-d14
Concen: Below ng
RT: 20.09 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

Tgt Ion:244 Resp: 1004632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.7 | 4.9 | 7.3# |
| 122 | 8.7 | 6.2 | 9.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 23.97 min Scan# 3516
Delta R.T. -0.01 min
Lab File: BM016277.D
Acq: 09 Aug 2018 12:24

**Instrument :**
BNA_M
**ClientSampleId :**
MW-29

Tgt Ion:264 Resp: 175749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.9 | 18.6 | 27.8 |
| 265 | 24.2 | 17.3 | 25.9 |