Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120319\
Data File : BP001192.D
Acq On : 04 Dec 2019 11:06
Operator : JU
Sample : K6027-10DL 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :**

Quant Time: Dec 04 11:32:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 17:38:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.31 | 152 | 103880 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.35 | 136 | 383731 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 13.21 | 164 | 210857 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 15.60 | 188 | 395412 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 19.25 | 240 | 305213 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 21.02 | 264 | 327021 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.20 | 112 | 48746 | 7.79 | ng | | -0.02 |
| 7) Phenol-d6 | 7.75 | 99 | 41910 | 5.02 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 68618 | 7.76 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 14.50 | 330 | 21619 | 10.70 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 12.12 | 172 | 118275 | 8.21 | ng | | -0.03 |
| 79) Terphenyl-d14 | 17.89 | 244 | 141281 | 8.56 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 7.64 | 77 | 11204 | Below Cal | | # | 1 |
| 18) Hexachloroethane | 9.16 | 117 | 25873 | 8.086 | ng | # | 43 |
| 31) Naphthalene | 10.40 | 128 | 4042392 | 206.265 | ng | | 99 |
| 33) 4-Chloroaniline | 10.40 | 127 | 552762 | 64.995 | ng | # | 33 |
| 37) 2-Methylnaphthalene | 11.52 | 142 | 452745 | 33.855 | ng | | 96 |
| 38) 1-Methylnaphthalene | 11.67 | 142 | 474988 | 37.600 | ng | | 98 |
| 46) 1,1'-Biphenyl | 12.28 | 154 | 57573 | 3.533 | ng | | 97 |
| 52) Acenaphthene | 13.26 | 154 | 100959 | 8.602 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 13.30 | 184 | 19 | 7.122 | ng | # | 1 |
| 58) Fluorene | 14.10 | 166 | 34733 | 2.458 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 14.19 | 198 | 34 | 6.294 | ng | # | 1 |
| 71) Phenanthrene | 15.64 | 178 | 81800 | 3.935 | ng | | 99 |

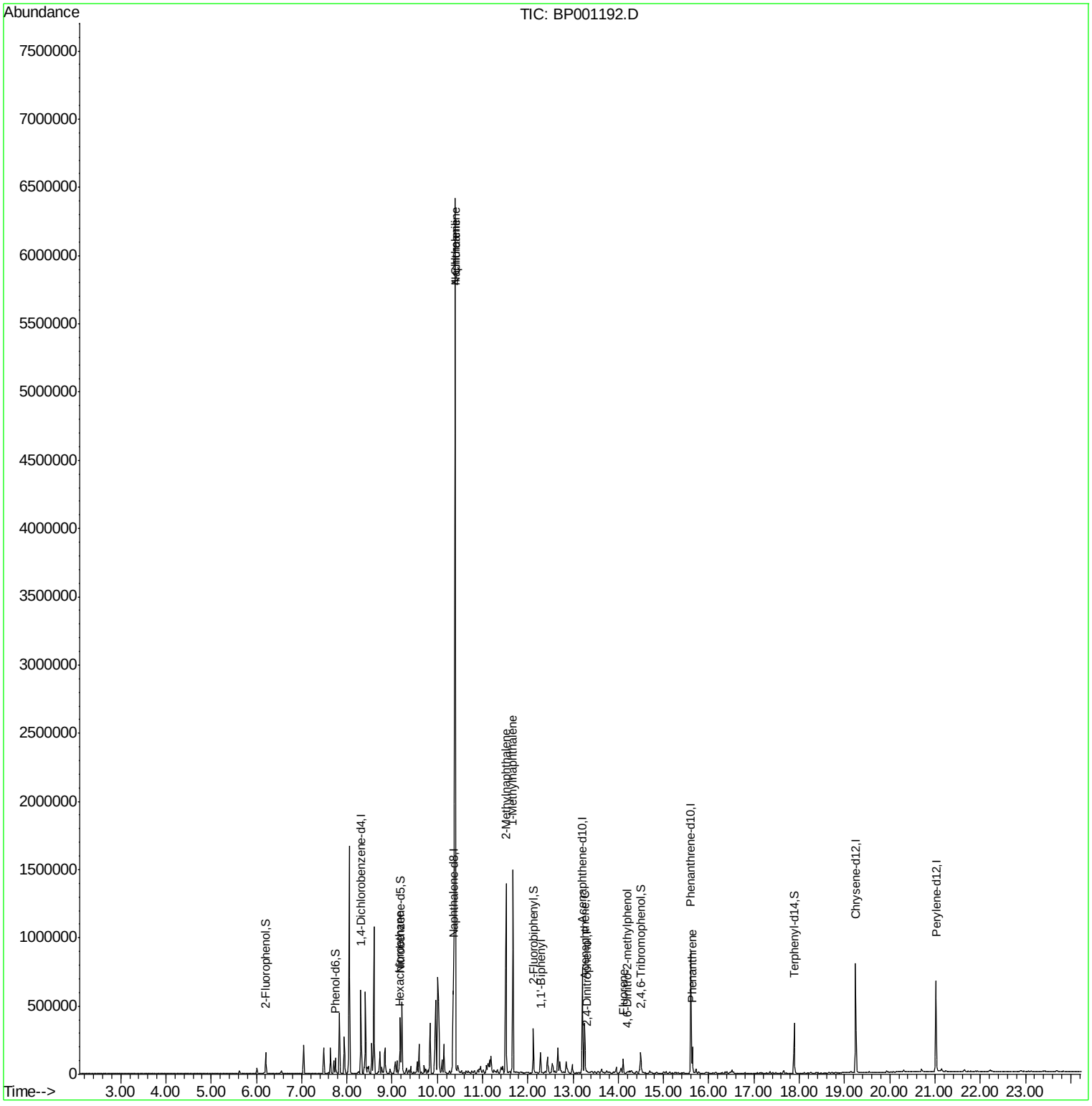
(#) = qualifier out of range (m) = manual integration (+) = signals summed

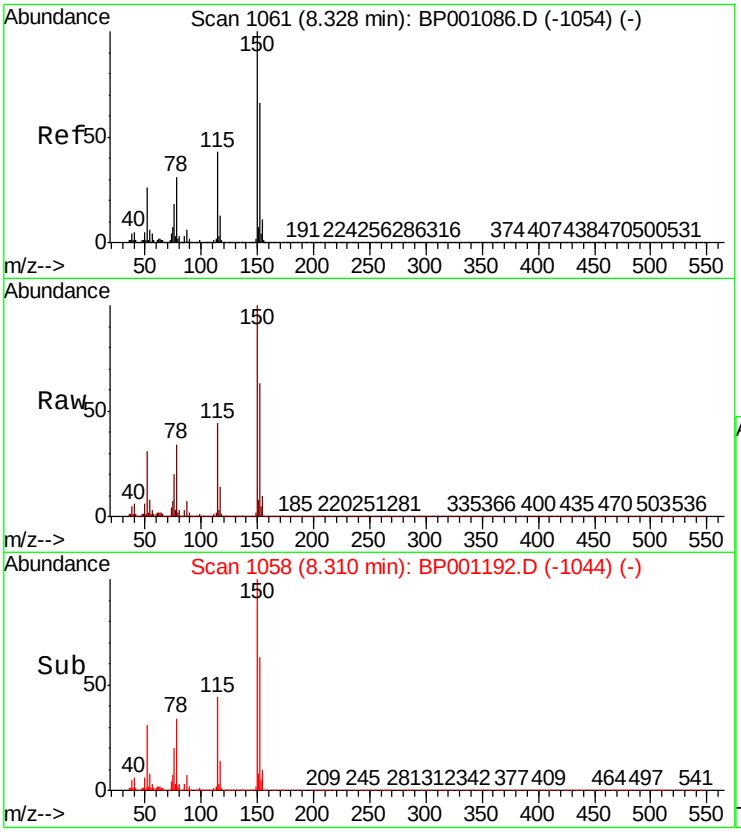
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120319\
Data File : BP001192.D
Acq On : 04 Dec 2019 11:06
Operator : JU
Sample : K6027-10DL 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**

Quant Time: Dec 04 11:32:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 17:38:46 2019
Response via : Initial Calibration



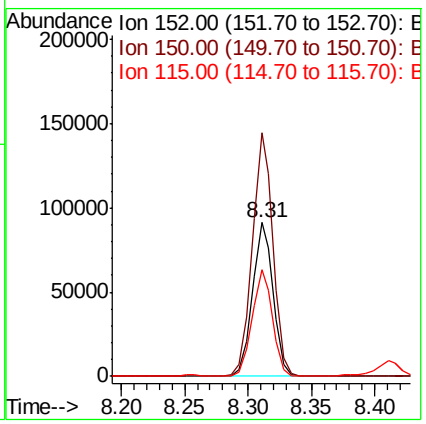


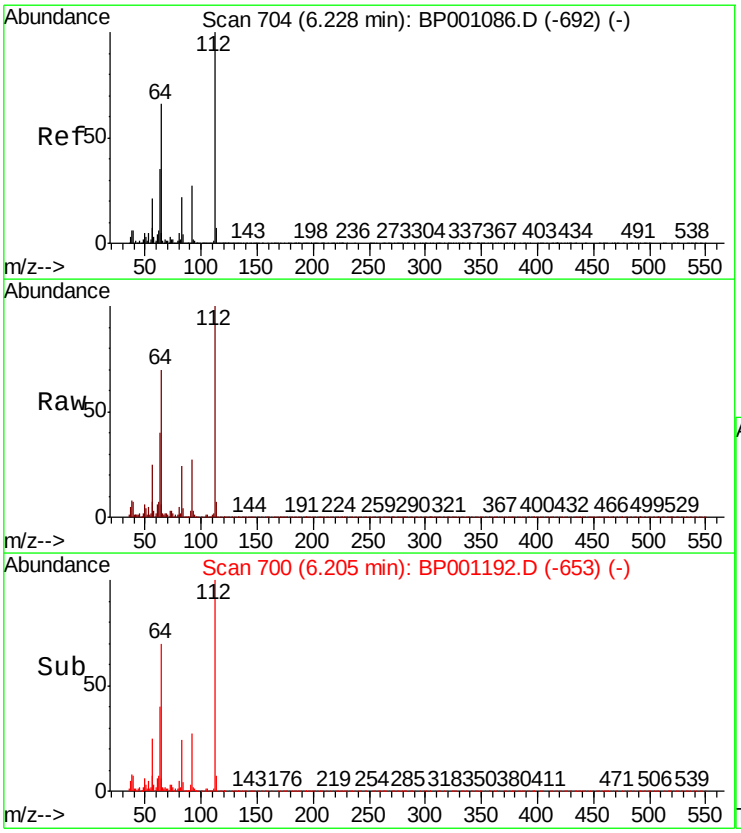

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:152 Resp: 103880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.4 | 120.6 | 181.0 |
| 115 | 69.5 | 51.6 | 77.4 |

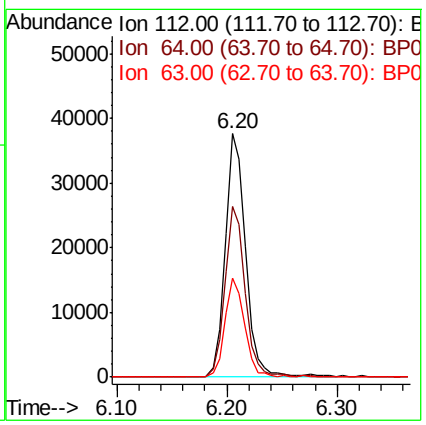


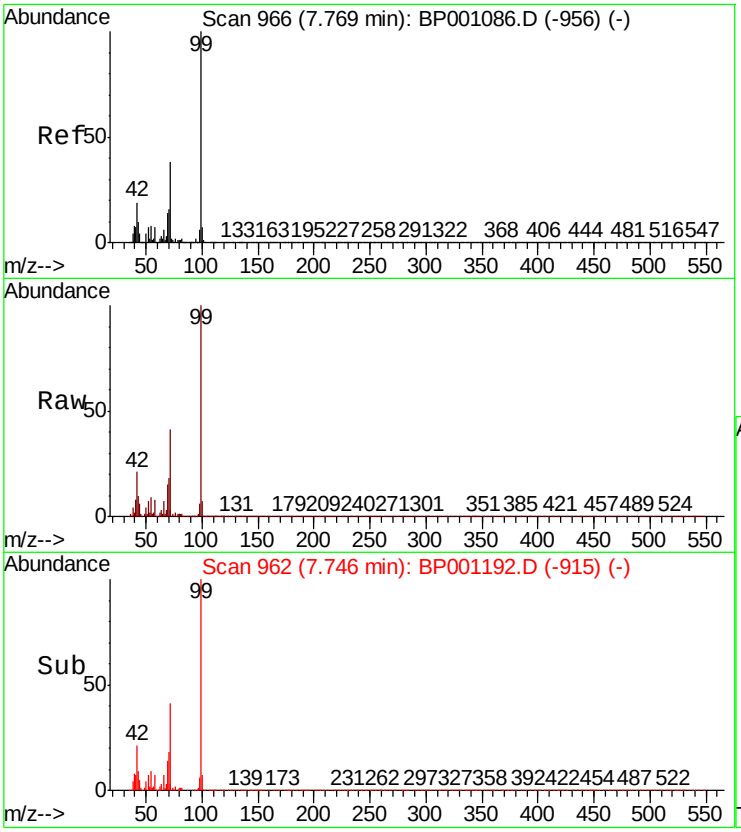




#5
2-Fluorophenol
Concen: 7.785 ng
RT: 6.20 min Scan# 700
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:112 Resp: 48746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.9 | 52.8 | 79.2 |
| 63 | 40.5 | 28.2 | 42.2 |



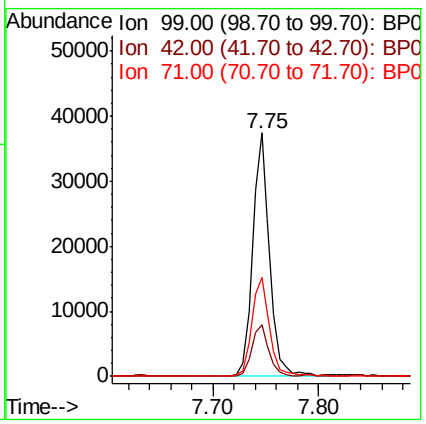


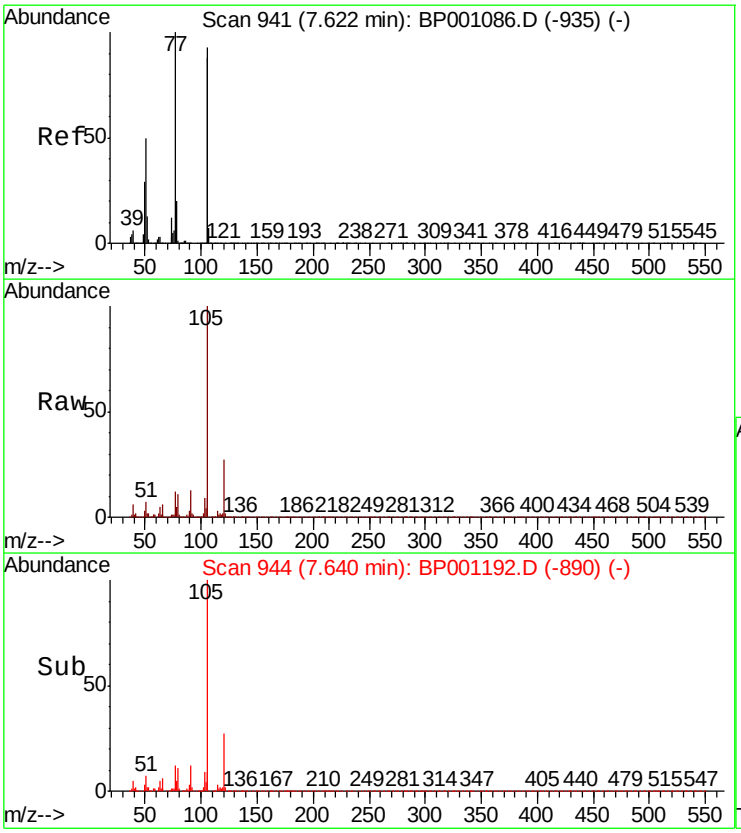

#7
Phenol-d6
Concen: 5.024 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion: 99 Resp: 41910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.2 | 15.4 | 23.0 |
| 71 | 40.7 | 30.8 | 46.2 |

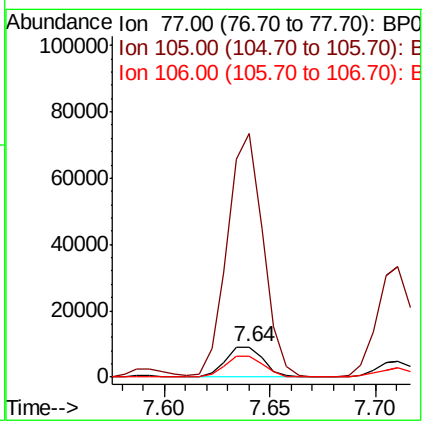


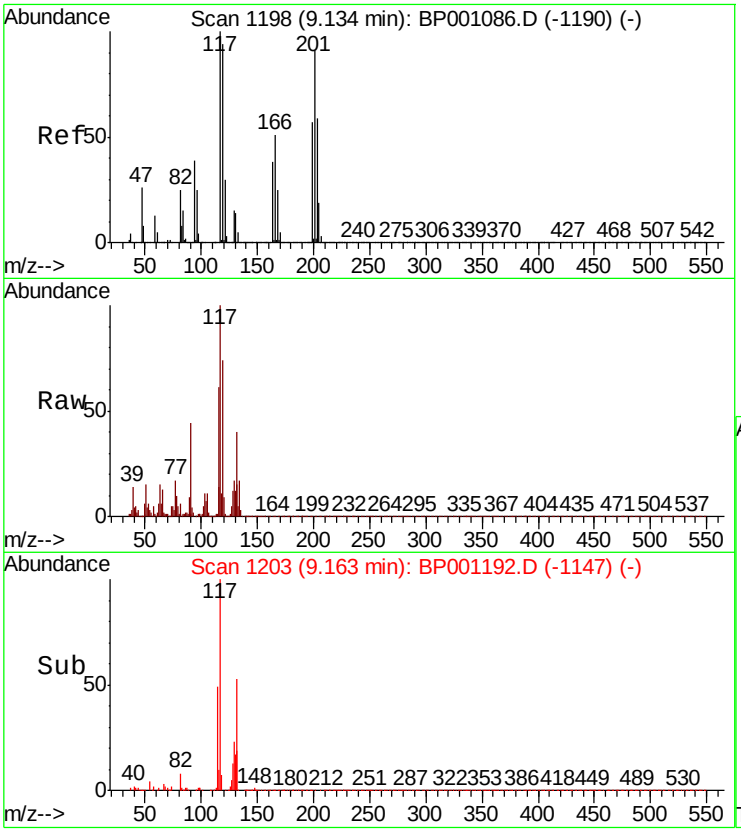




#9
Benzaldehyde
Concen: Below Cal
RT: 7.64 min Scan# 944
Delta R.T. 0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion: 77 Resp: 11204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 810.8 | 72.5 | 112.5# |
| 106 | 71.0 | 67.6 | 107.6 |



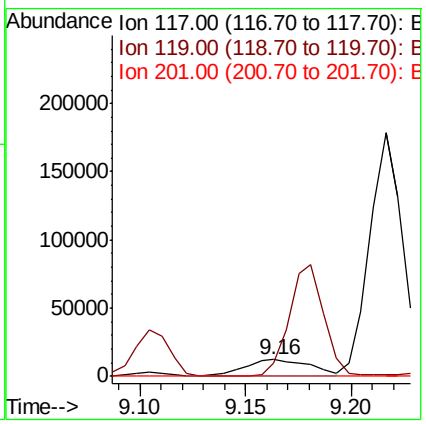


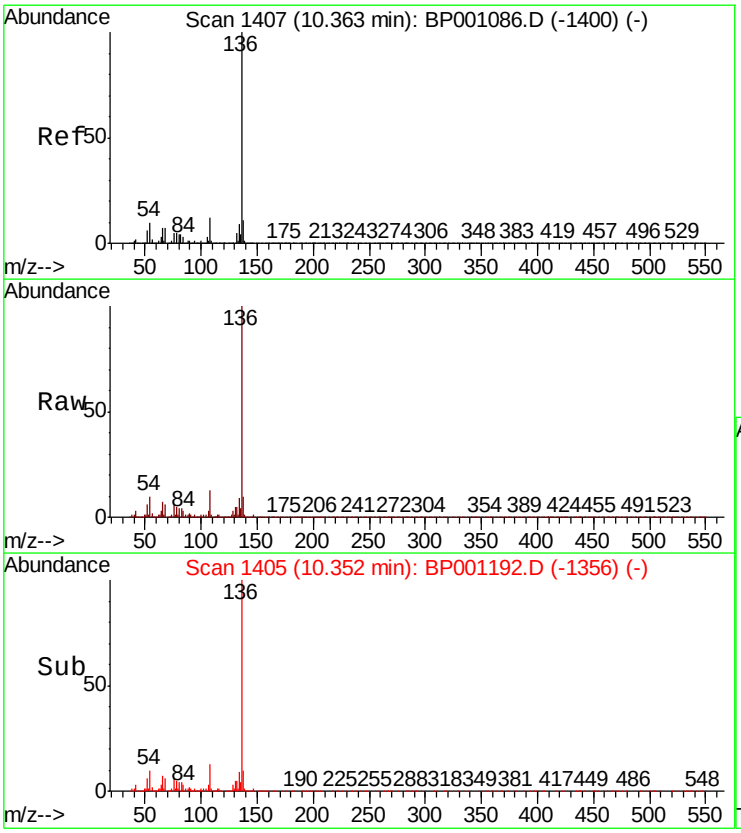

#18
Hexachloroethane
Concen: 8.086 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.03 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:117 Resp: 25873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 74.5 | 75.2 | 112.8# |
| 201 | 0.0 | 72.5 | 108.7# |

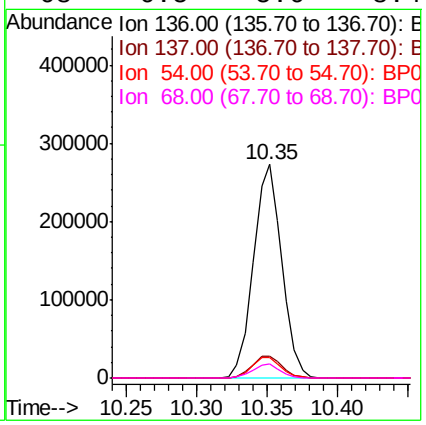


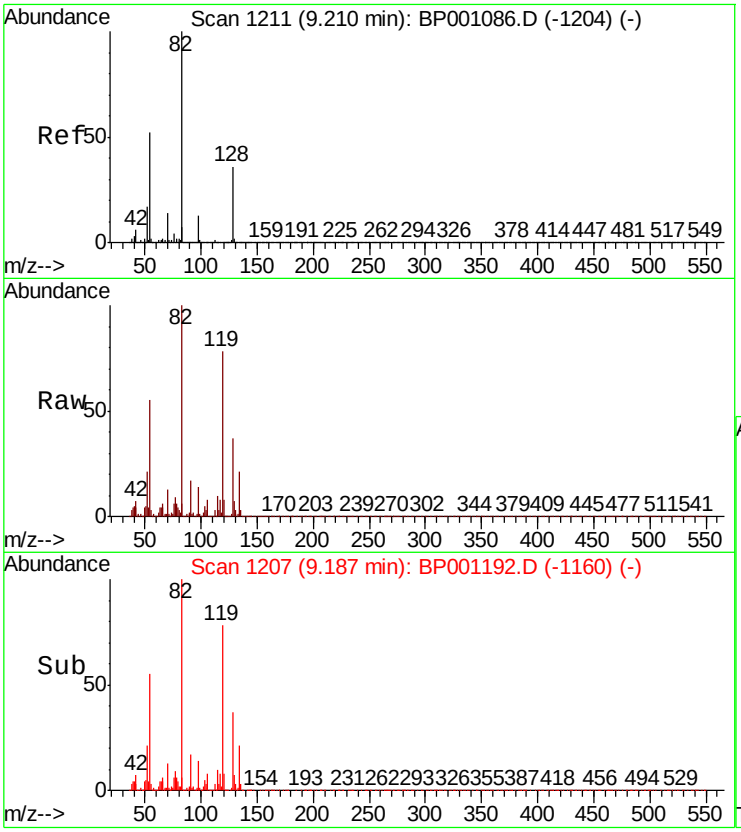




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:136 Resp: 383731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.8 | 13.2 |
| 54 | 9.6 | 7.9 | 11.9 |
| 68 | 6.5 | 5.6 | 8.4 |



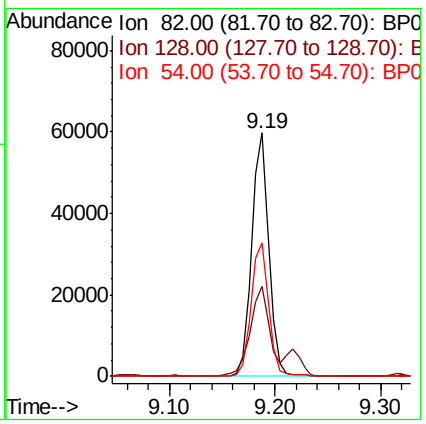


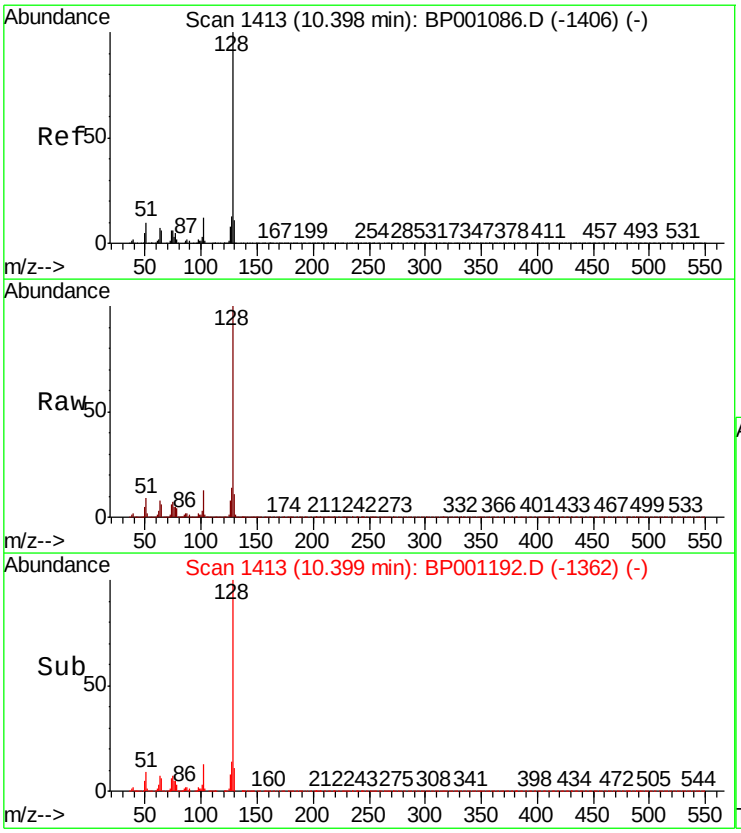

#23
Nitrobenzene-d5
Concen: 7.758 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion: 82 Resp: 68618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.1 | 28.9 | 43.3 |
| 54 | 54.8 | 41.9 | 62.9 |

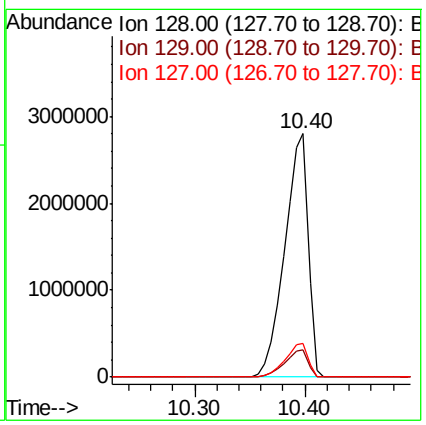


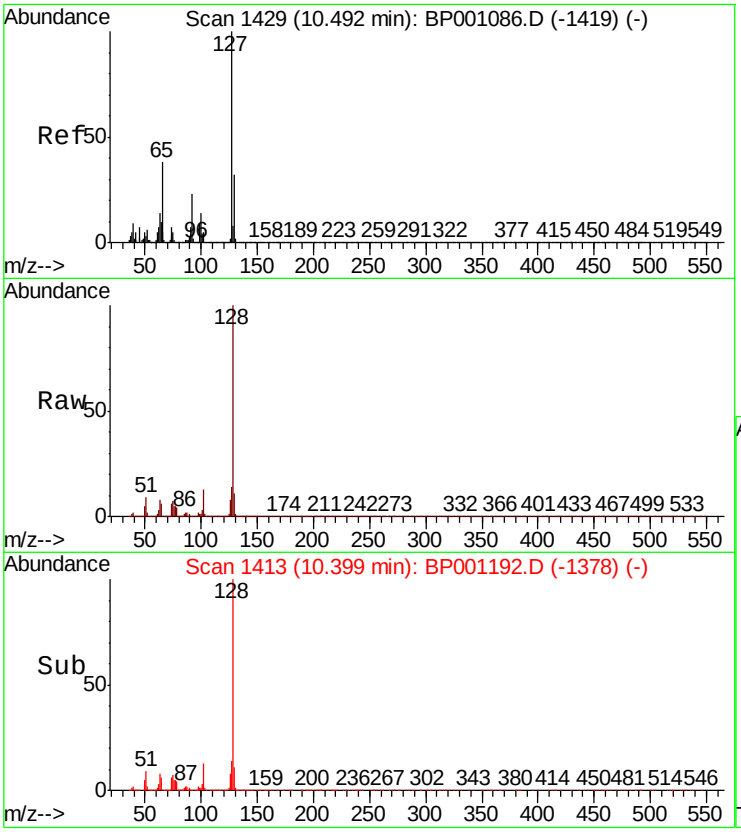




#31
Naphthalene
Concen: 206.265 ng
RT: 10.40 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:128 Resp: 4042392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.9 | 10.6 | 16.0 |



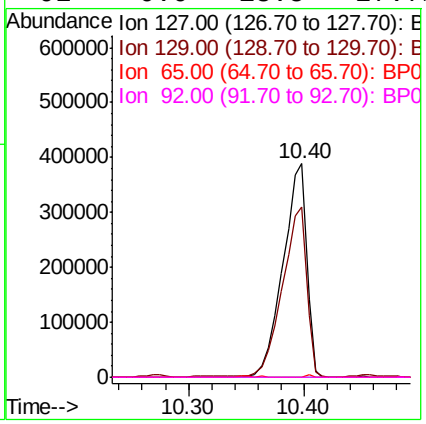


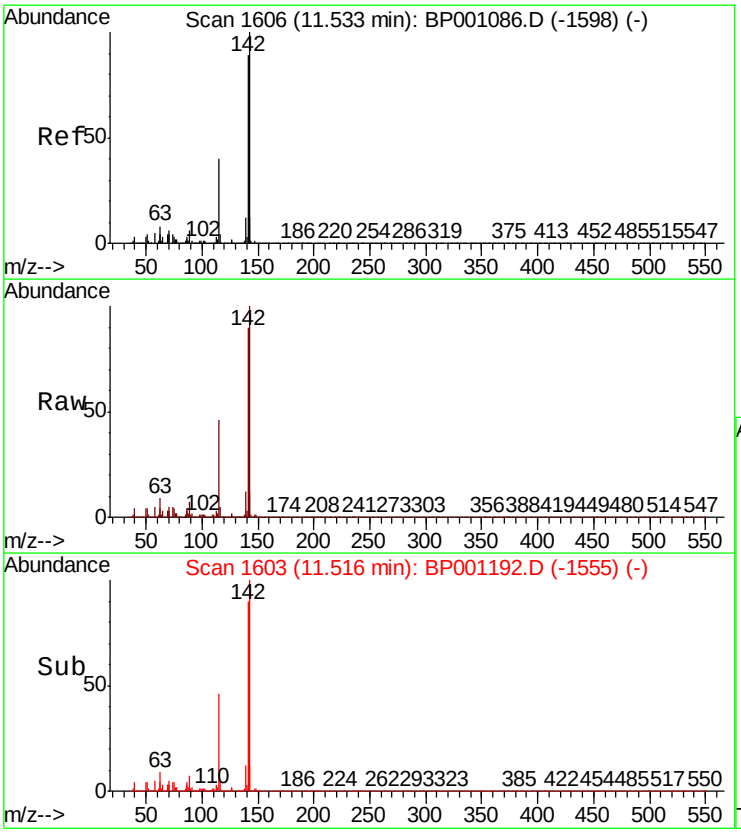

#33
4-Chloroaniline
Concen: 64.995 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.09 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:127 Resp: 552762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 79.4 | 25.5 | 38.3# |
| 65 | 0.0 | 30.6 | 46.0# |
| 92 | 0.0 | 18.5 | 27.7# |

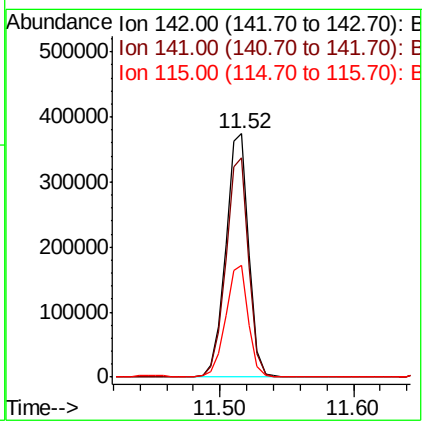


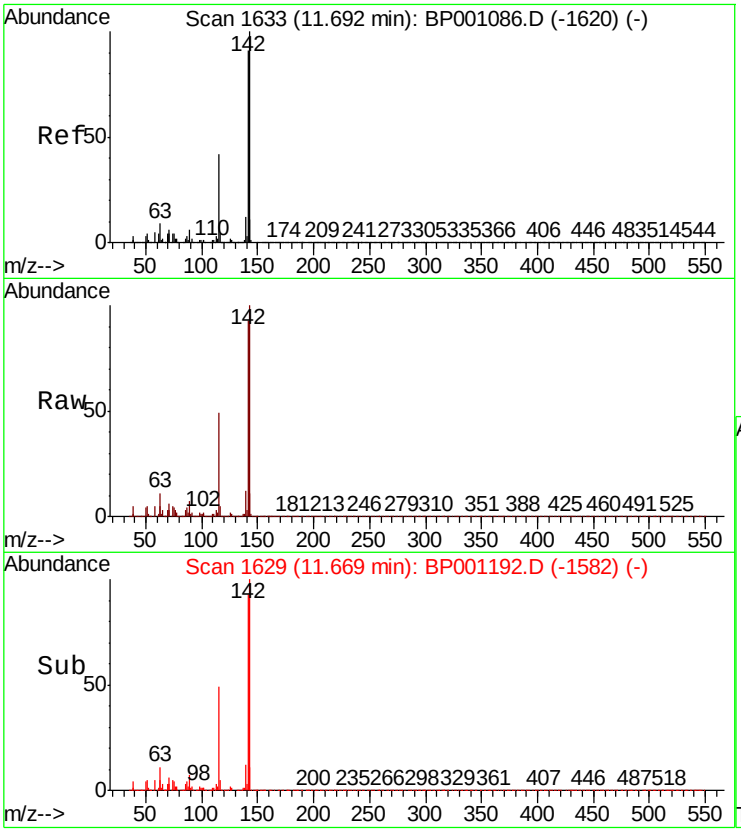




#37
2-Methylnaphthalene
Concen: 33.855 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:142 Resp: 452745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.1 | 71.1 | 106.7 |
| 115 | 45.8 | 32.3 | 48.5 |



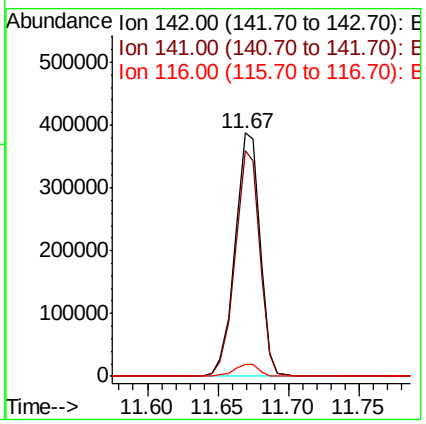


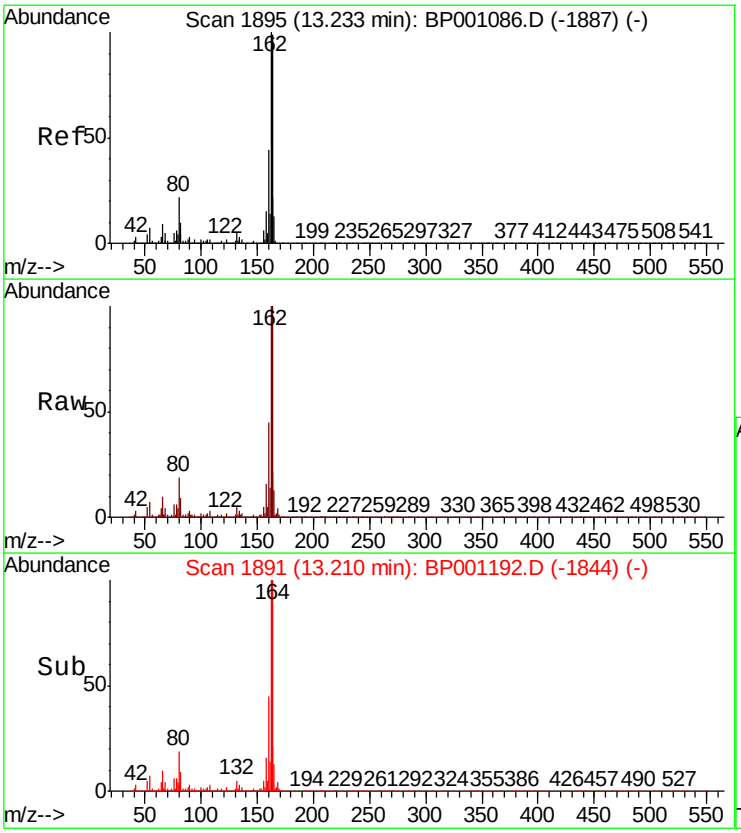

#38
1-Methylnaphthalene
Concen: 37.600 ng
RT: 11.67 min Scan# 1629
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:142 Resp: 474988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.7 | 73.0 | 109.4 |
| 116 | 5.0 | 3.4 | 5.2 |

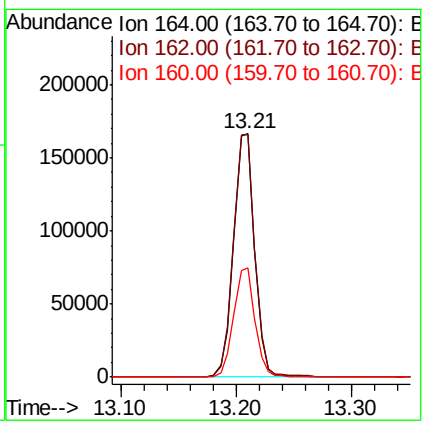


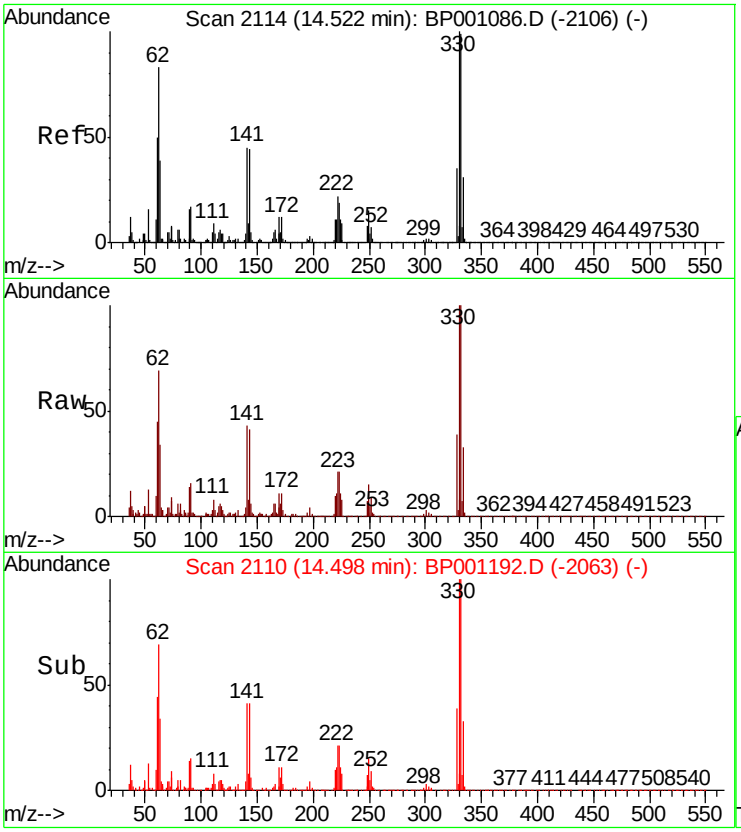




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.21 min Scan# 1891
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:164 Resp: 210857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.6 | 80.6 | 120.8 |
| 160 | 44.8 | 35.4 | 53.2 |



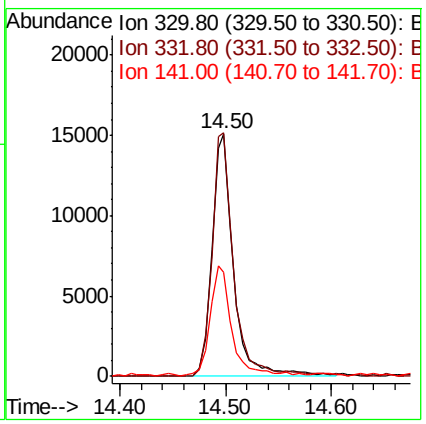


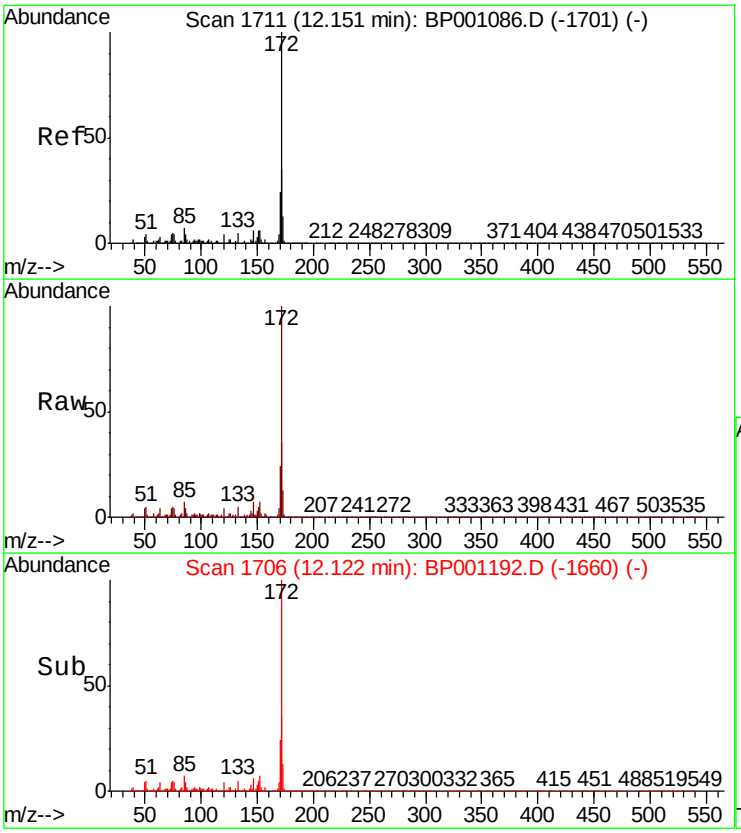

#42
2,4,6-Tribromophenol
Concen: 10.697 ng
RT: 14.50 min Scan# 2110
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:330 Resp: 21619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.5 | 77.6 | 116.4 |
| 141 | 45.5 | 34.2 | 51.2 |

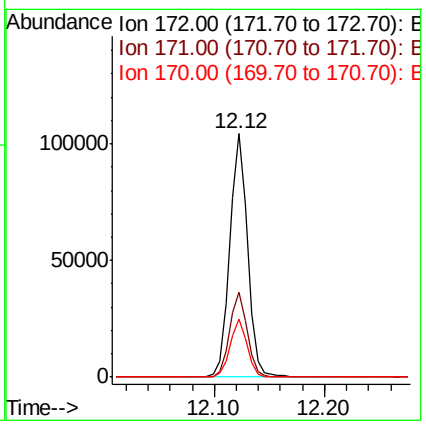


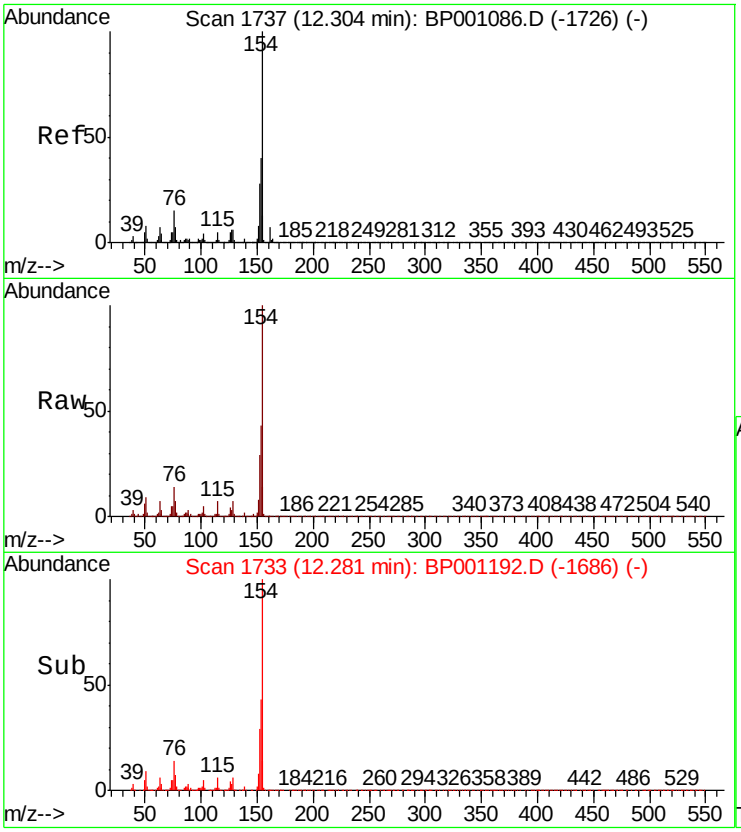




#45
2-Fluorobiphenyl
Concen: 8.210 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.03 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:172 Resp: 118275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 27.9 | 41.9 |
| 170 | 23.6 | 19.0 | 28.4 |



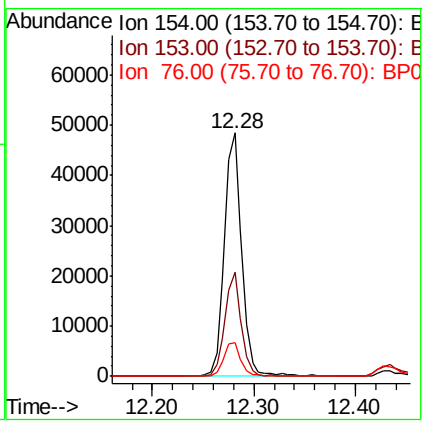


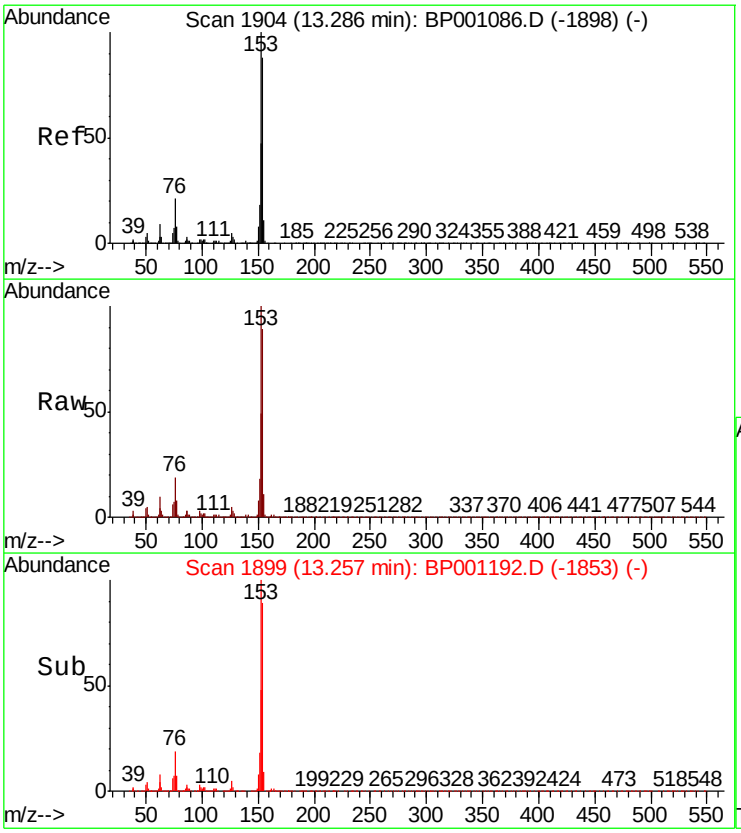

#46
1,1'-Biphenyl
Concen: 3.533 ng
RT: 12.28 min Scan# 1733
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:154 Resp: 57573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 42.8 | 20.2 | 60.2 |
| 76 | 14.0 | 0.0 | 34.5 |

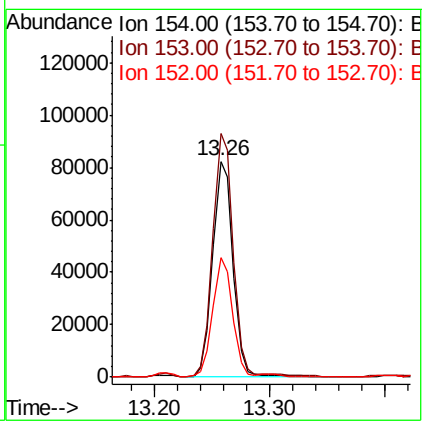


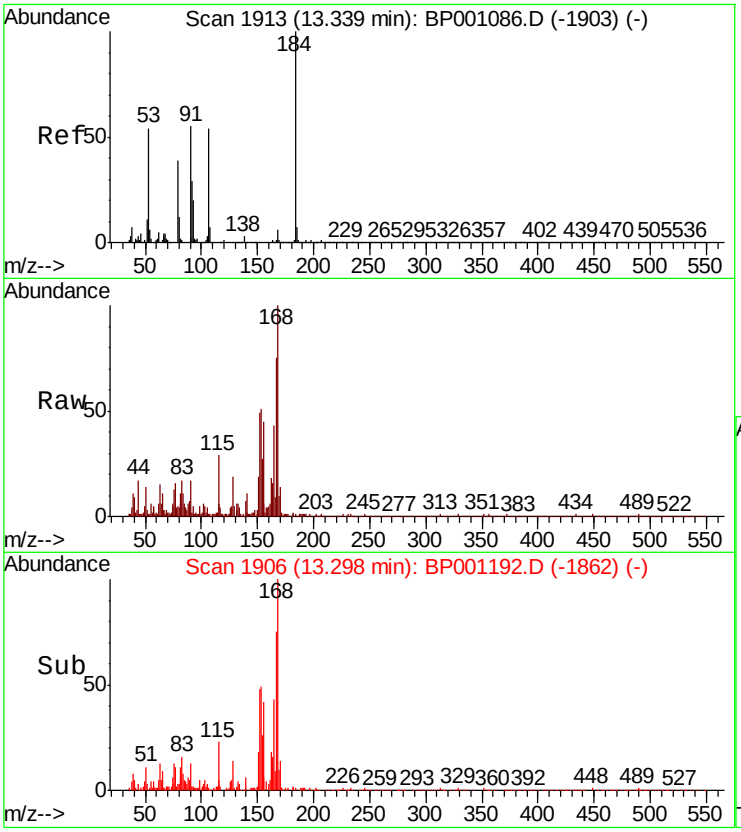




#52
Acenaphthene
Concen: 8.602 ng
RT: 13.26 min Scan# 1899
Delta R.T. -0.03 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:154 Resp: 100959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.9 | 90.5 | 135.7 |
| 152 | 55.6 | 42.6 | 64.0 |



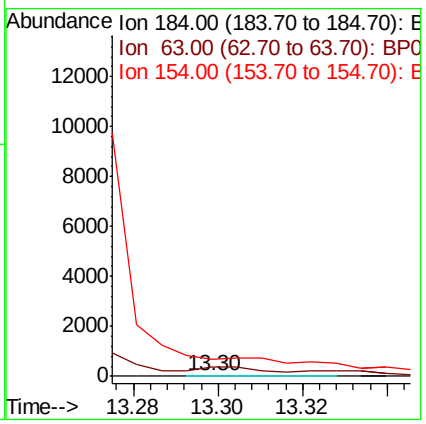


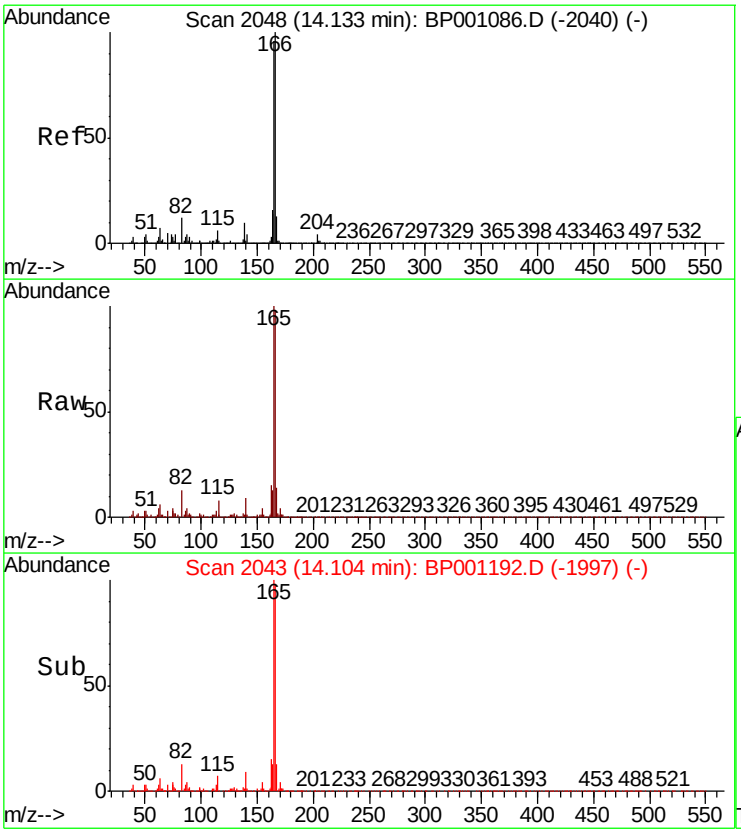

#54
2,4-Dinitrophenol
Concen: 7.122 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.04 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:184 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 2300.0 | 60.7 | 91.1# |
| 154 | 4123.5 | 56.2 | 84.2# |

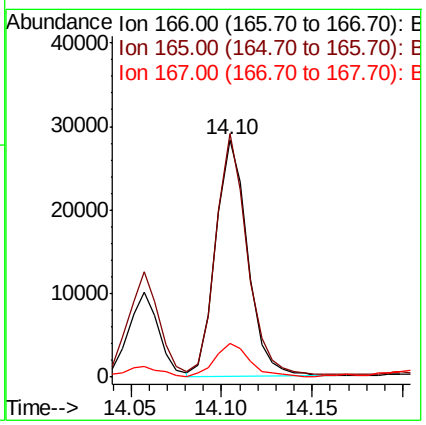


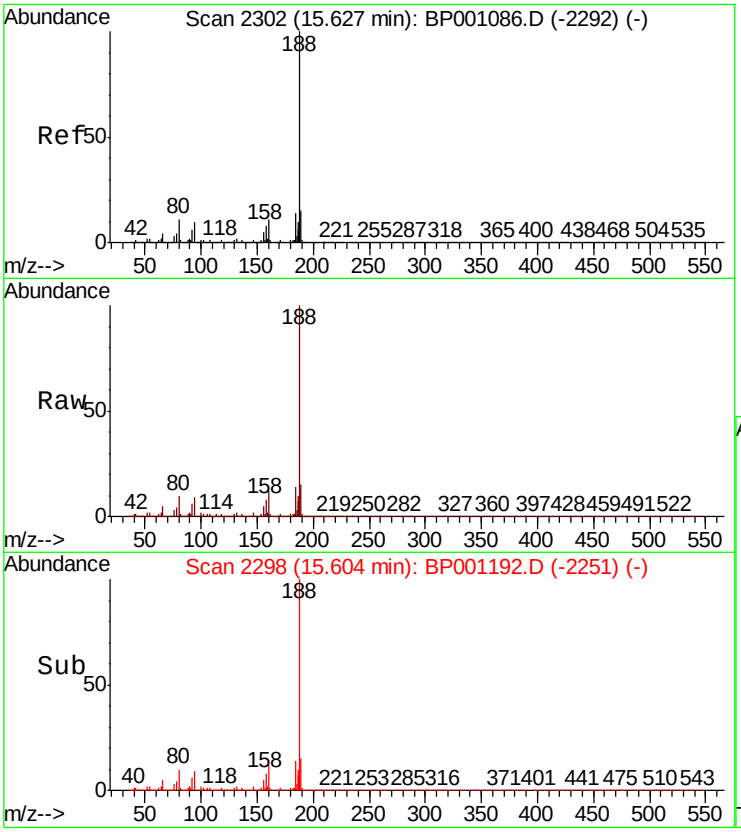




#58
Fluorene
Concen: 2.458 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.03 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:166 Resp: 34733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.5 | 76.7 | 115.1 |
| 167 | 14.0 | 10.5 | 15.7 |



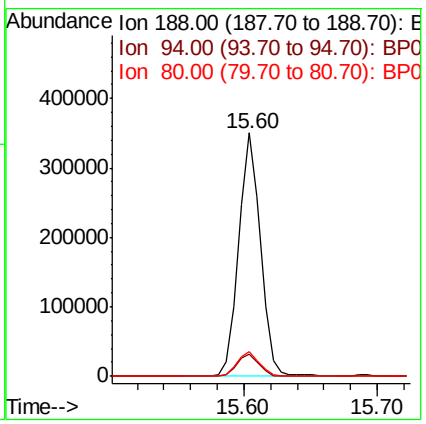


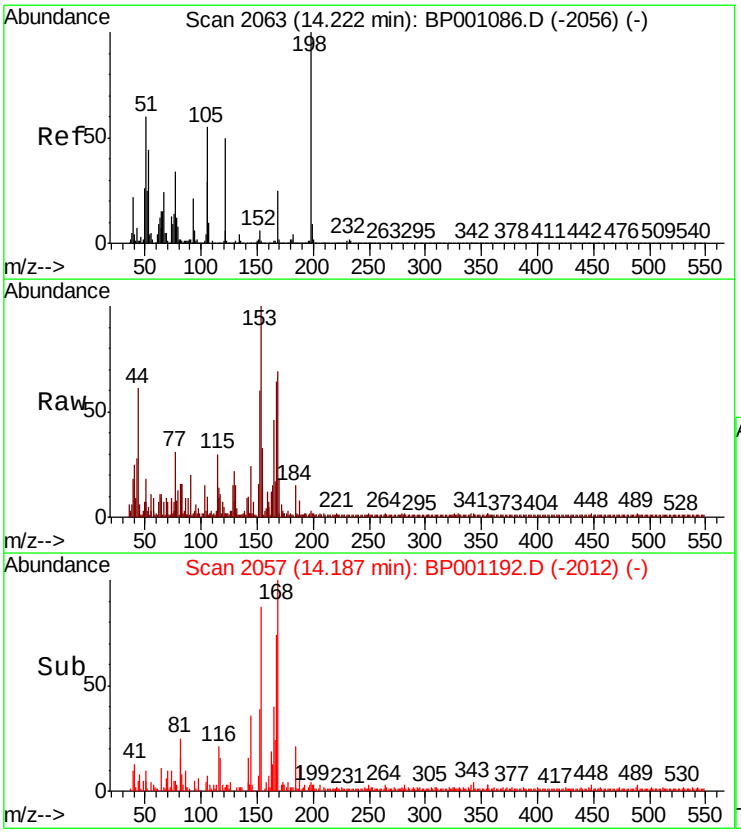

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:188 Resp: 395412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.3 | 7.9 | 11.9 |
| 80 | 10.0 | 8.8 | 13.2 |

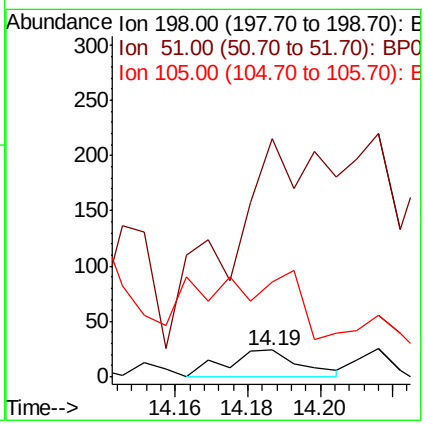


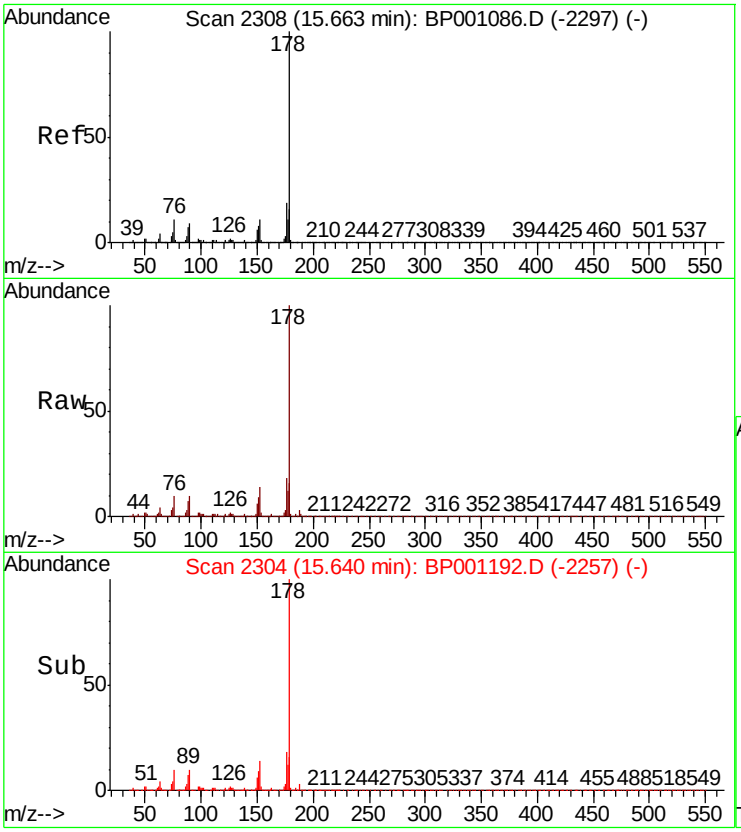




#65
4,6-Dinitro-2-methylphenol
Concen: 6.294 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.03 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:198 Resp: 34

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 895.8 | 40.5 | 80.5# |
| 105 | 358.3 | 35.7 | 75.7# |



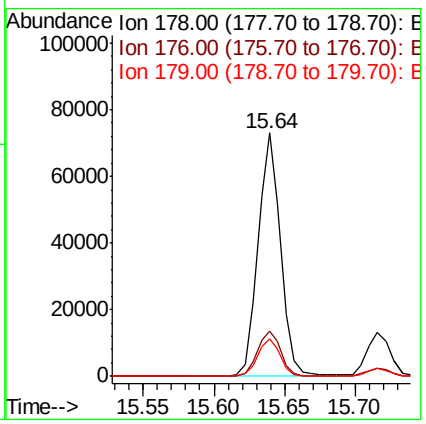


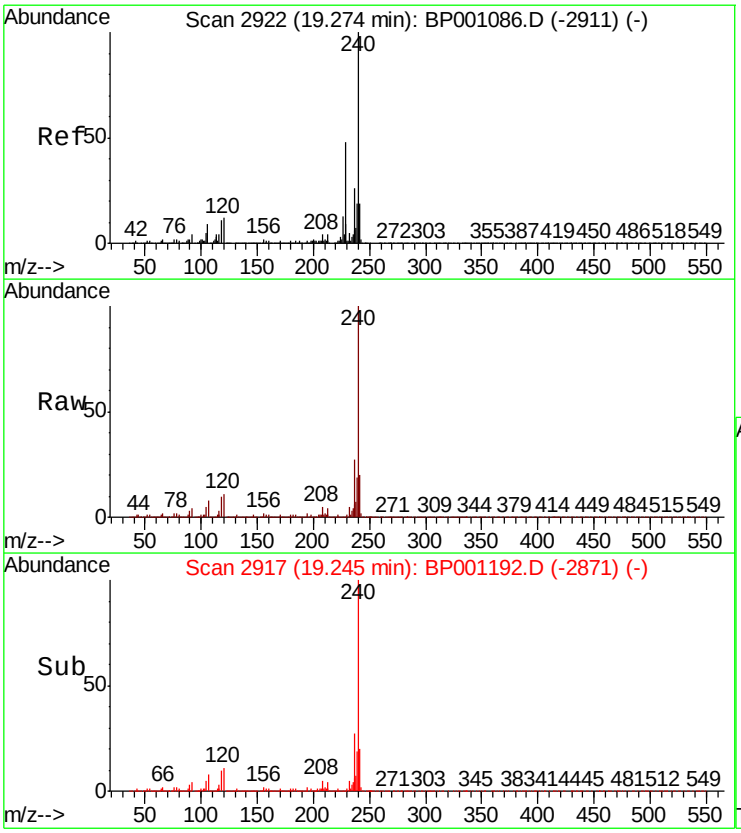

#71
Phenanthrene
Concen: 3.935 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.02 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:178 Resp: 81800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 15.4 | 23.2 |
| 179 | 15.6 | 12.5 | 18.7 |

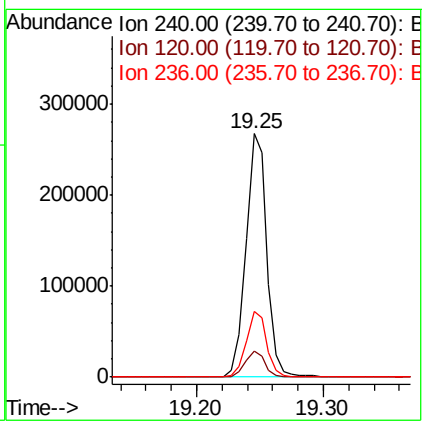


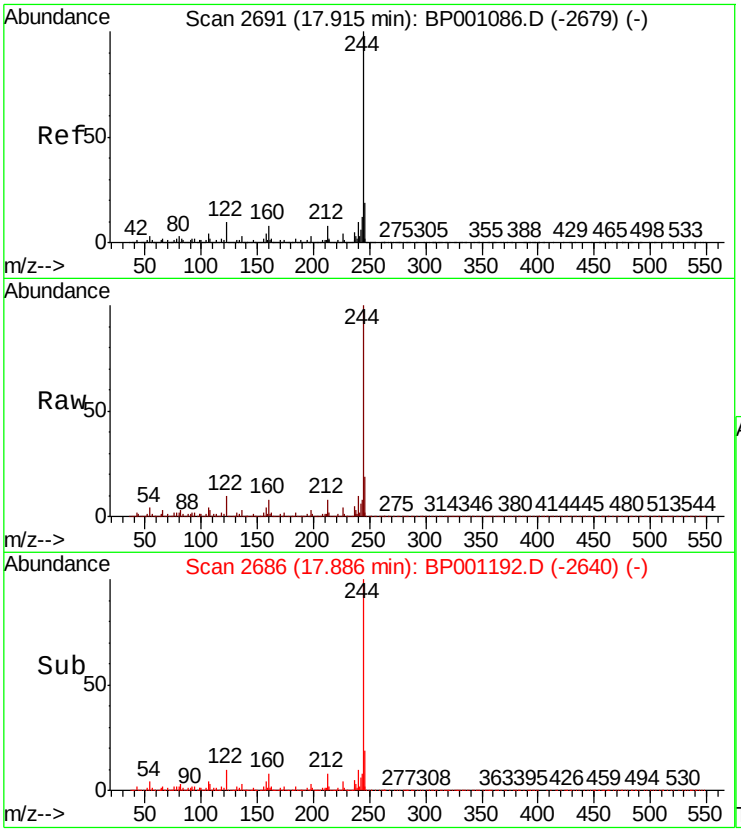




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.25 min Scan# 2917
Delta R.T. -0.03 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:240 Resp: 305213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 9.5 | 14.3 |
| 236 | 26.9 | 20.4 | 30.6 |



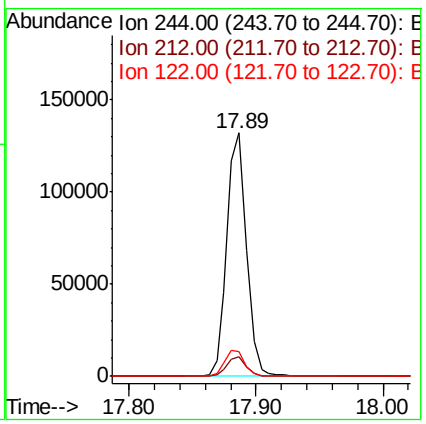


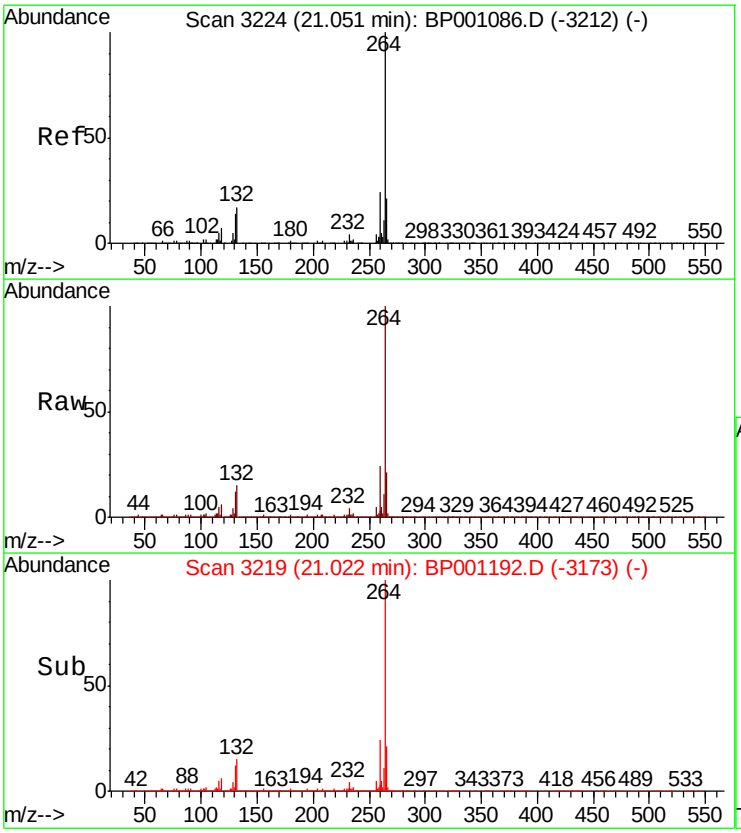

#79
Terphenyl-d14
Concen: 8.564 ng
RT: 17.89 min Scan# 2686
Delta R.T. -0.03 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:244 Resp: 141281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 6.2 | 9.2 |
| 122 | 10.3 | 8.2 | 12.2 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3219
Delta R.T. -0.03 min
Lab File: BP001192.D
Acq: 04 Dec 2019 11:06

Tgt Ion:264 Resp: 327021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.8 | 28.2 |
| 265 | 21.2 | 16.9 | 25.3 |