Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114747.D
Acq On : 1 Jun 2019 10:53
Operator : HP/JU
Sample : K3097-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
0429-HR-9(HACKENSACK)

**Manual Integrations APPROVED**
mohammad
6/3/2019 8:51:09 AM

Quant Time: Jun 03 02:36:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.69 | 152 | 388666 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 7.97 | 136 | 1475404 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.72 | 164 | 722000 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.19 | 188 | 1427692 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.82 | 240 | 1023706 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.20 | 264 | 946180 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.31 | 112 | 2510225 | 113.39 | ng | 0.02 |
| 7) Phenol-d6 | 6.33 | 99 | 3099669 | 116.20 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.25 | 82 | 1939450 | 82.01 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.50 | 330 | 796096 | 115.72 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.05 | 172 | 2968383 | 75.43 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.78 | 244 | 3214254 | 59.03 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 10) Phenol | 6.34 | 94 | 131708 | 4.087 | ng | 82 |
| 50) Dimethylphthalate | 9.44 | 163 | 503560 | 10.009 | ng | 98 |
| 75) Fluoranthene | 12.40 | 202 | 439300 | 5.825 | ng | 93 |
| 78) Pyrene | 12.62 | 202 | 355354 | 4.104 | ng | 95 |
| 88) Benzo(b)fluoranthene | 14.81 | 252 | 139358m | 2.338 | ng | |

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
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Acq On : 1 Jun 2019 10:53
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
0429-HR-9(HACKENSACK)

**Manual Integrations APPROVED**
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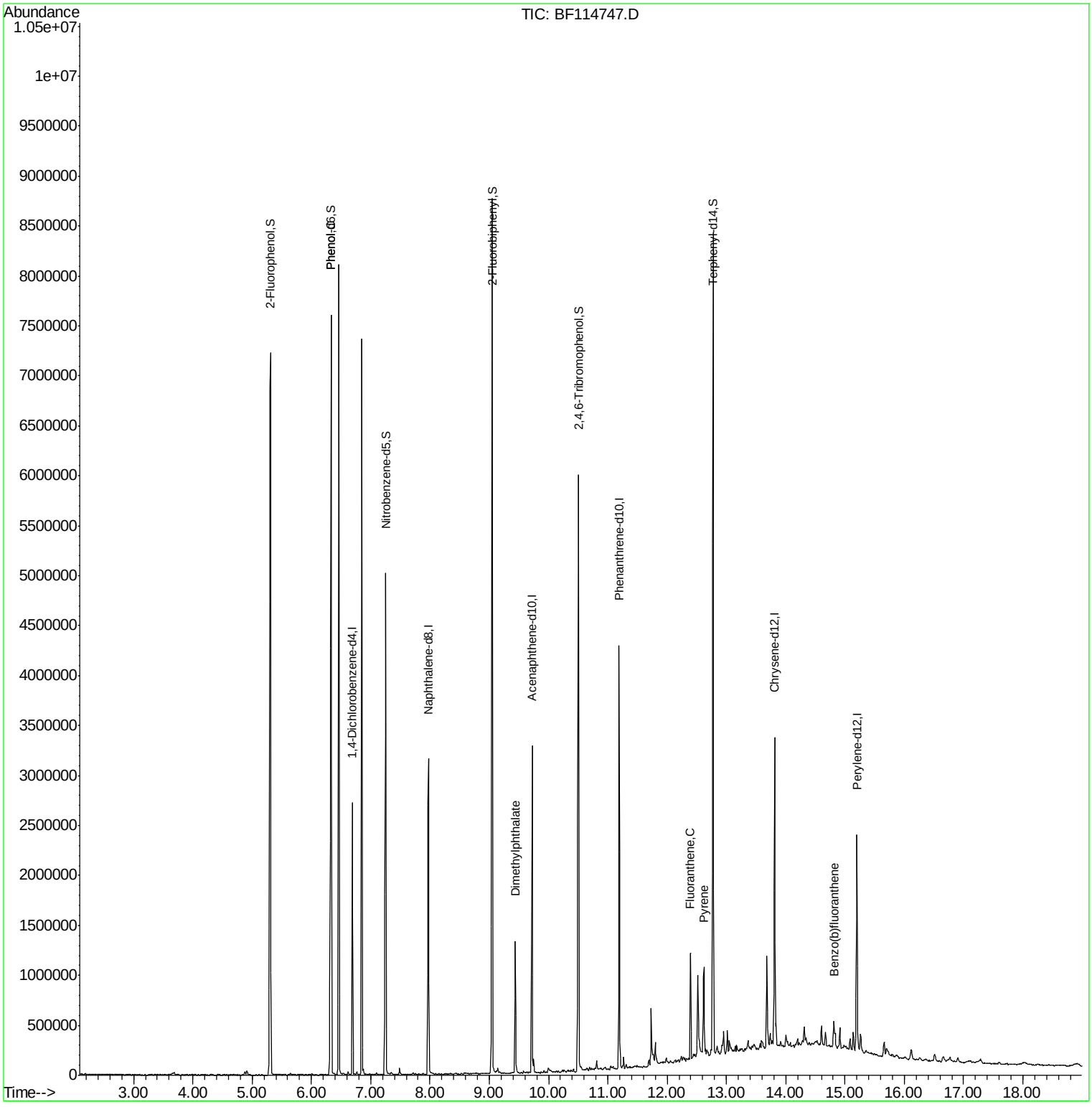
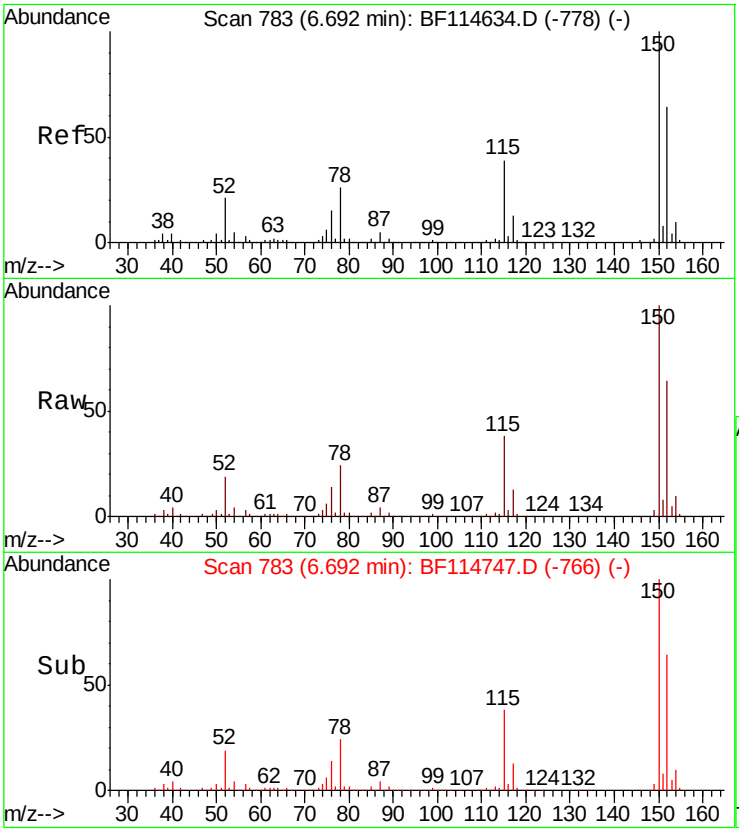
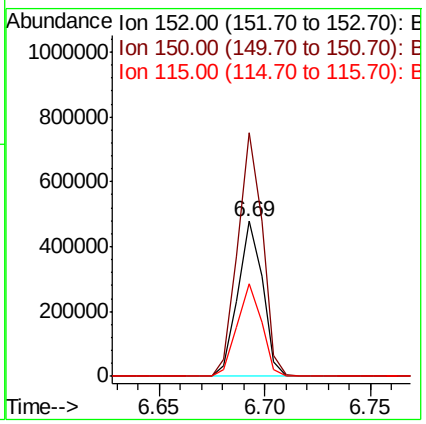





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:152 Resp: 388666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.0 | 124.4 | 186.6 |
| 115 | 59.6 | 48.7 | 73.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
0429-HR-9(HACKENSACK)

**Manual Integrations APPROVED**
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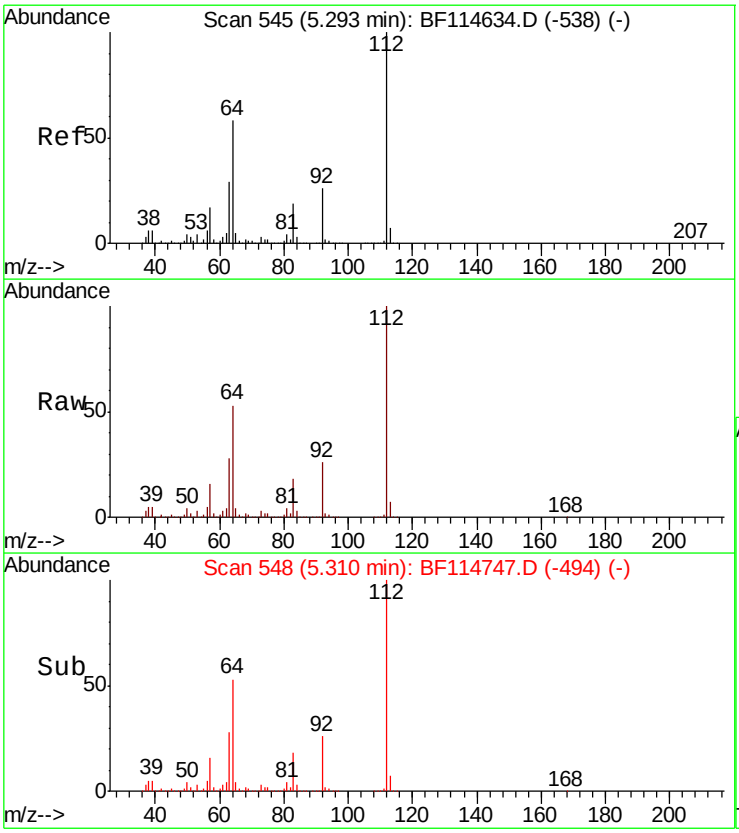
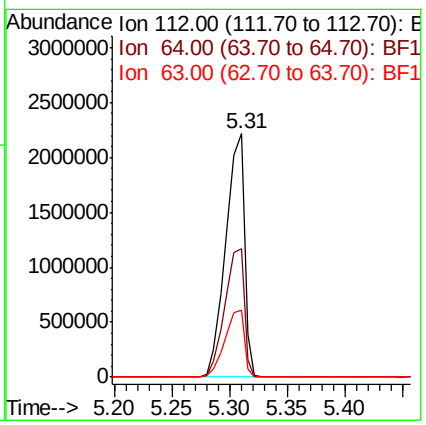
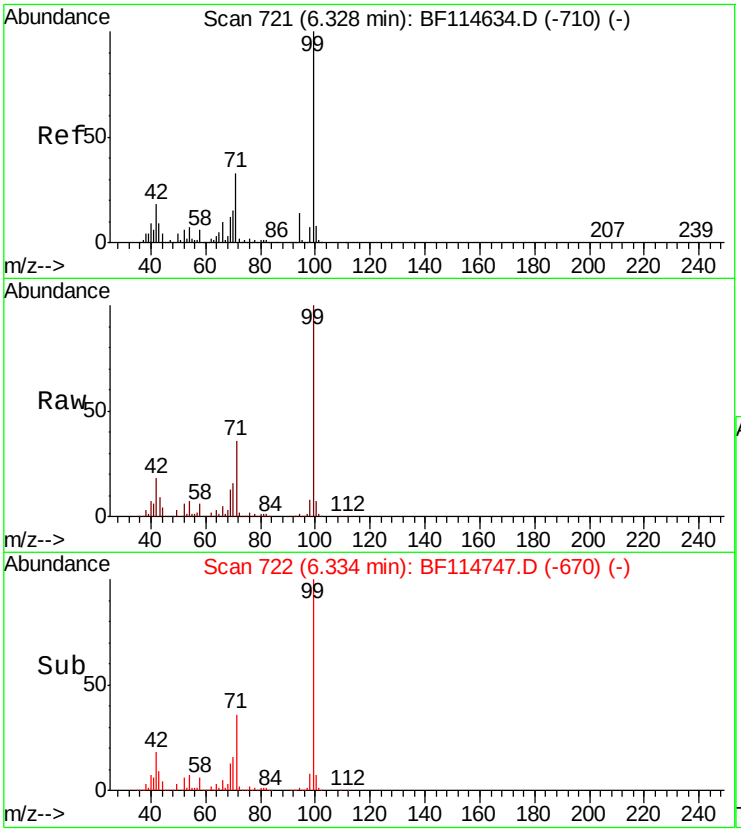



#5
2-Fluorophenol
Concen: 113.394 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.02 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:112 Resp: 2510225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.8 | 46.1 | 69.1 |
| 63 | 27.7 | 23.4 | 35.2 |

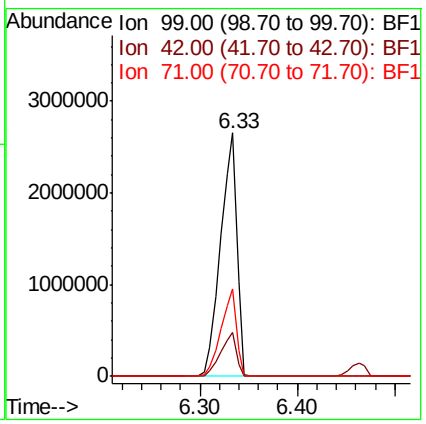





#7
Phenol-d6
Concen: 116.196 ng
RT: 6.33 min Scan# 722
Delta R.T. 0.01 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion: 99 Resp: 3099669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 14.7 | 22.1 |
| 71 | 35.9 | 26.6 | 40.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
0429-HR-9(HACKENSACK)

**Manual Integrations APPROVED**
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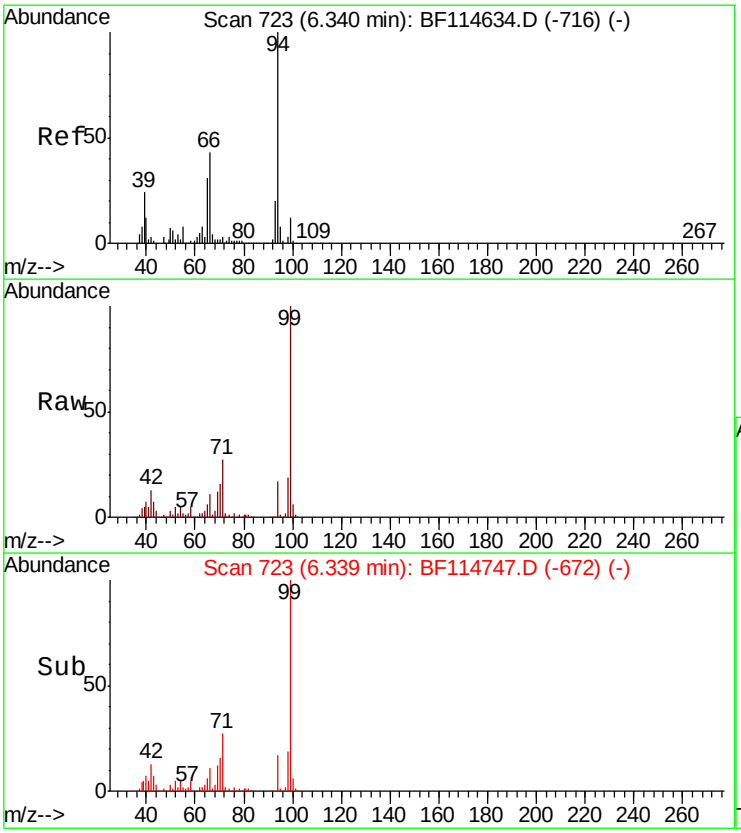
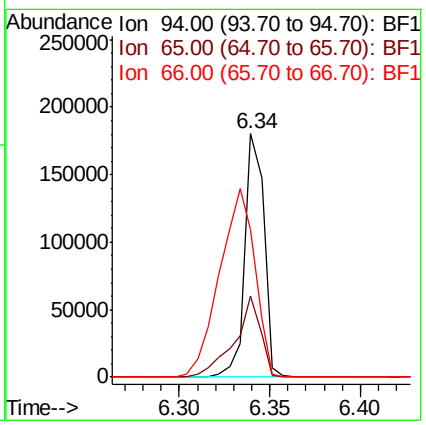
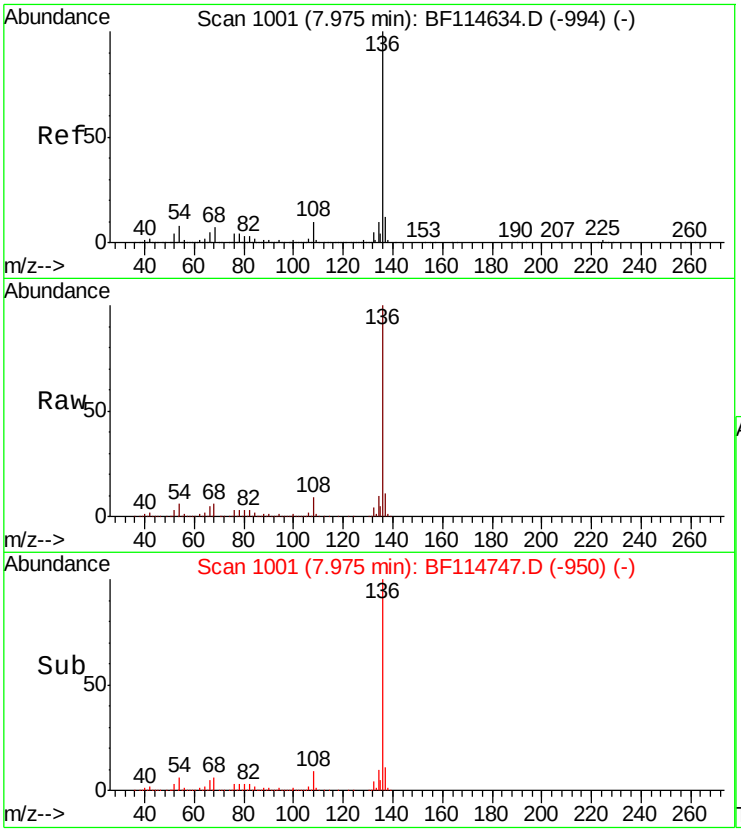



#10
Phenol
Concen: 4.087 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion: 94 Resp: 131708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.5 | 11.0 | 51.0 |
| 66 | 60.8 | 23.0 | 63.0 |

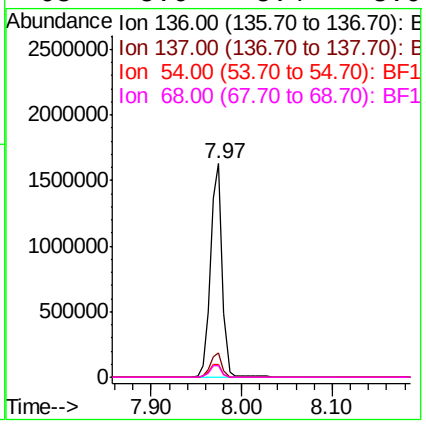





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:136 Resp: 1475404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.3 | 13.9 |
| 54 | 6.3 | 6.3 | 9.5# |
| 68 | 5.6 | 5.4 | 8.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
0429-HR-9(HACKENSACK)

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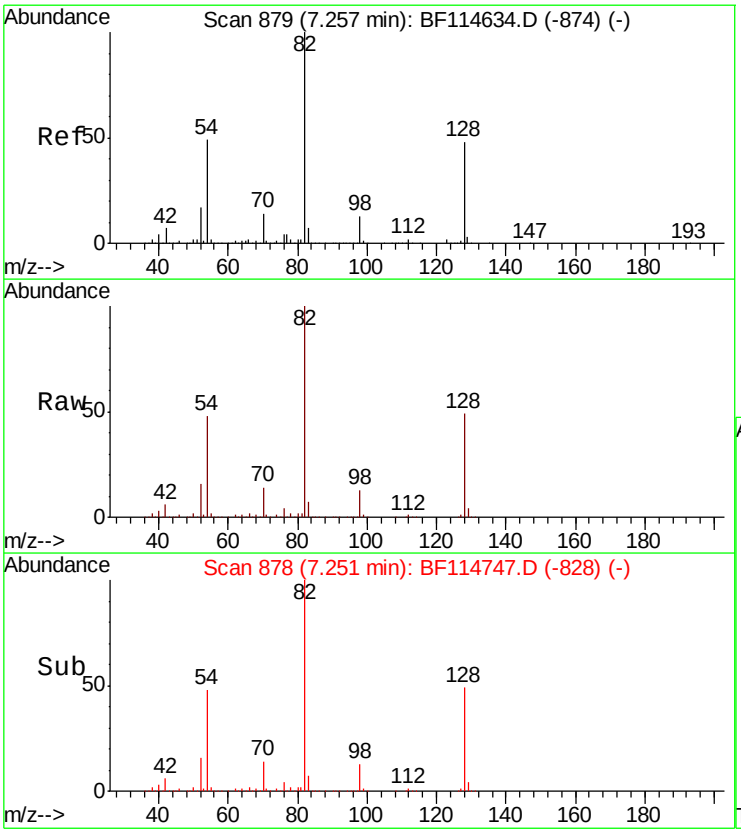
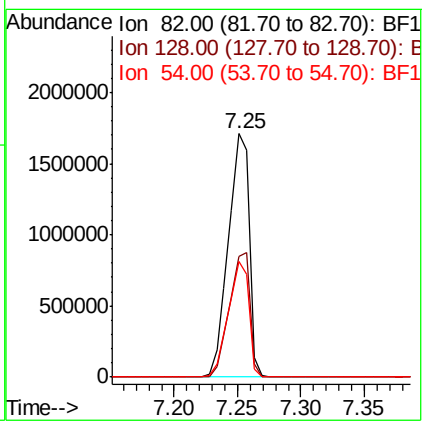
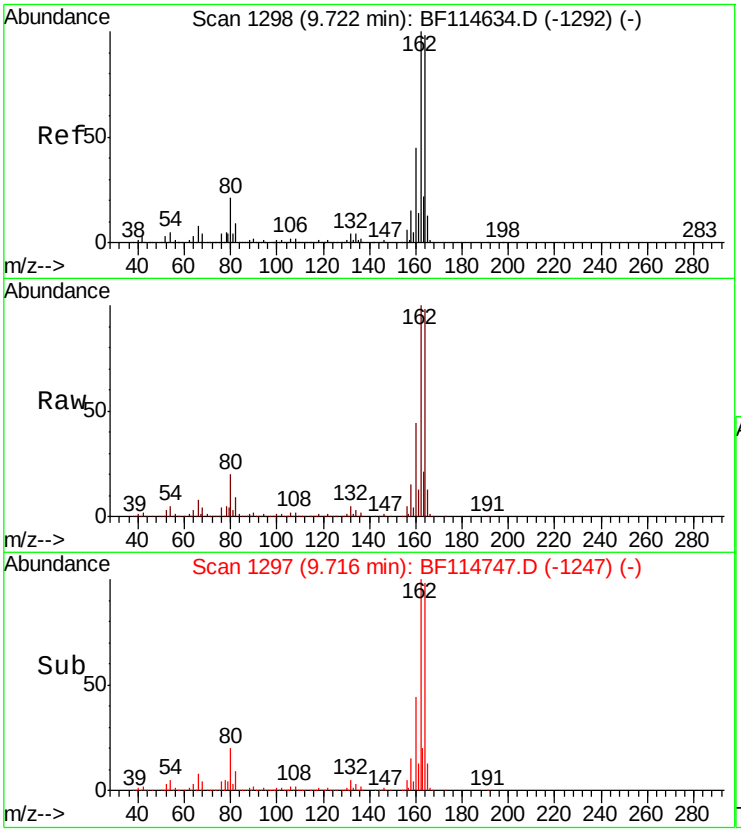



#23
Nitrobenzene-d5
Concen: 82.012 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion: 82 Resp: 1939450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.4 | 38.5 | 57.7 |
| 54 | 47.7 | 39.1 | 58.7 |

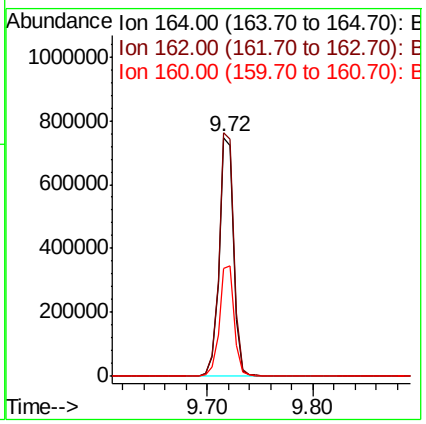





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:164 Resp: 722000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.0 | 81.4 | 122.2 |
| 160 | 45.3 | 36.6 | 54.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
0429-HR-9(HACKENSACK)

**Manual Integrations APPROVED**
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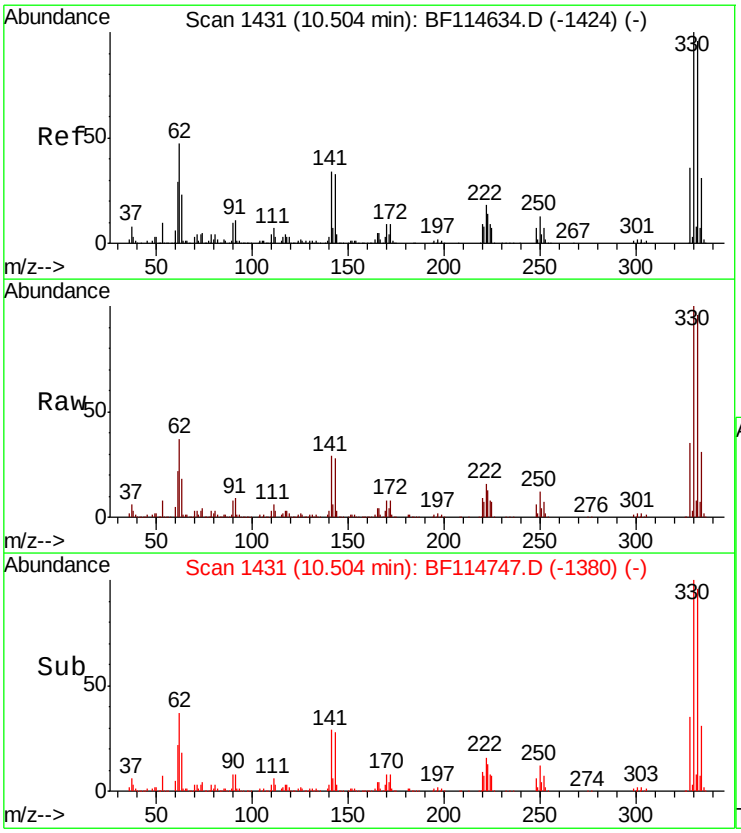
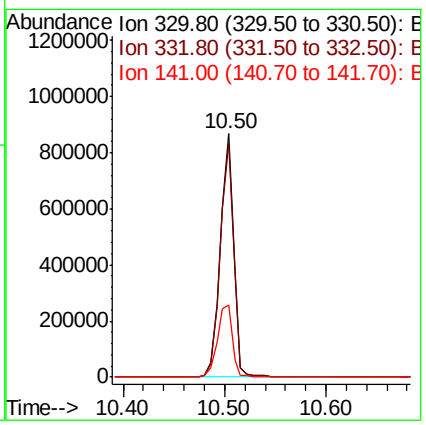
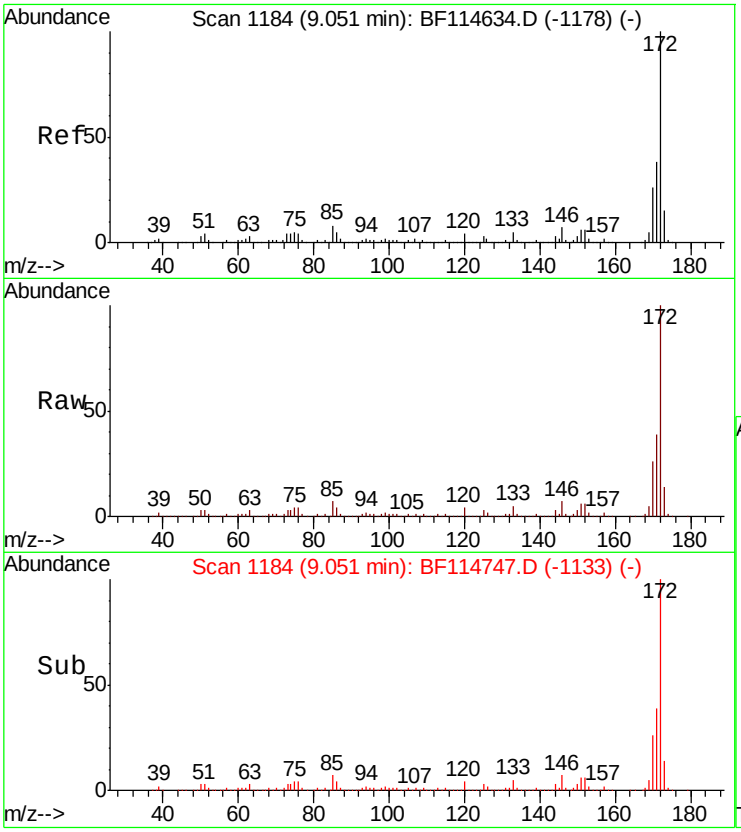



#42
2,4,6-Tribromophenol
Concen: 115.720 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:330 Resp: 796096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.3 | 75.8 | 113.8 |
| 141 | 33.1 | 27.8 | 41.8 |

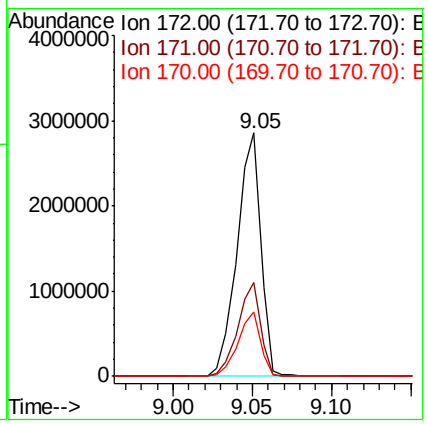





#45
2-Fluorobiphenyl
Concen: 75.429 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:172 Resp: 2968383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.6 | 30.6 | 45.8 |
| 170 | 26.4 | 20.7 | 31.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
0429-HR-9(HACKENSACK)

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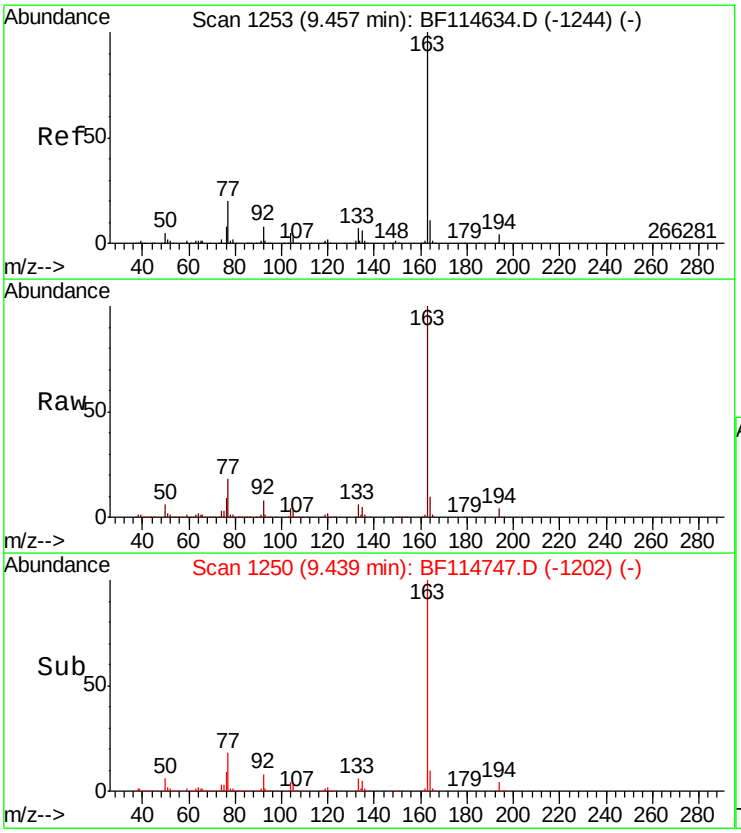
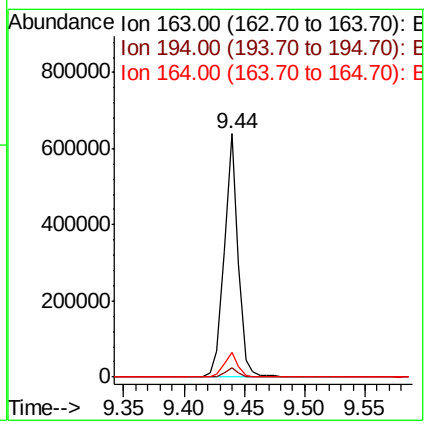
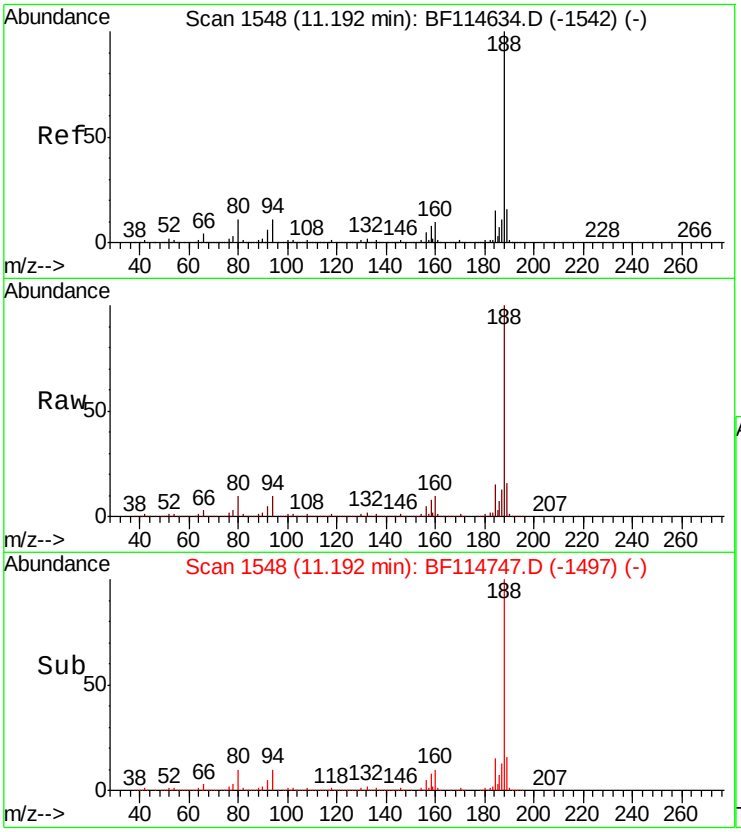



#50
Dimethylphthalate
Concen: 10.009 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:163 Resp: 503560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 3.4 | 5.0 |
| 164 | 10.0 | 8.6 | 13.0 |

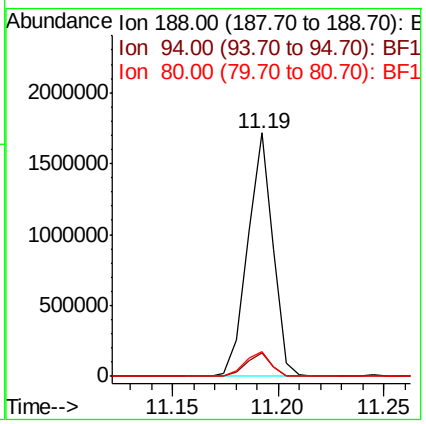





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:188 Resp: 1427692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.6 | 13.0 |
| 80 | 10.3 | 9.0 | 13.6 |




**Instrument :**
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**ClientSampleId :**
0429-HR-9(HACKENSACK)

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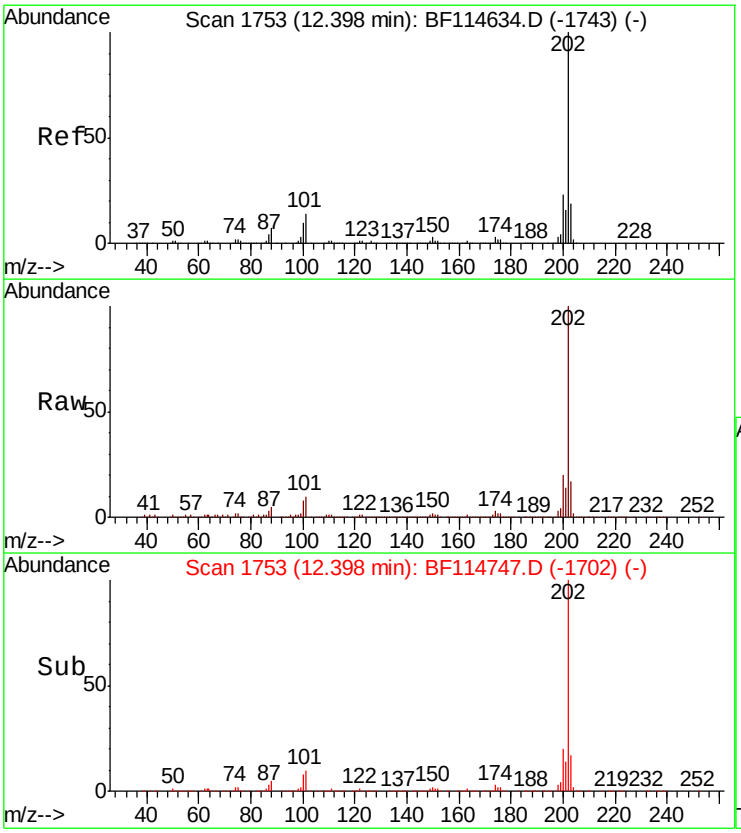
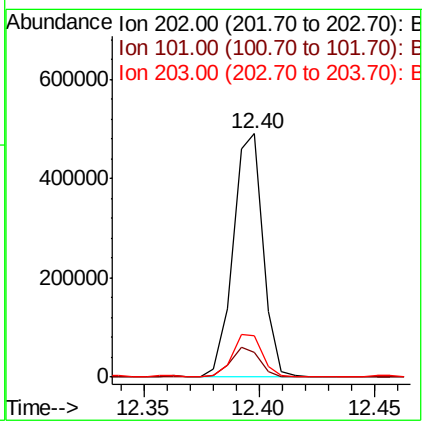
6/3/2019 8:51:09 AM

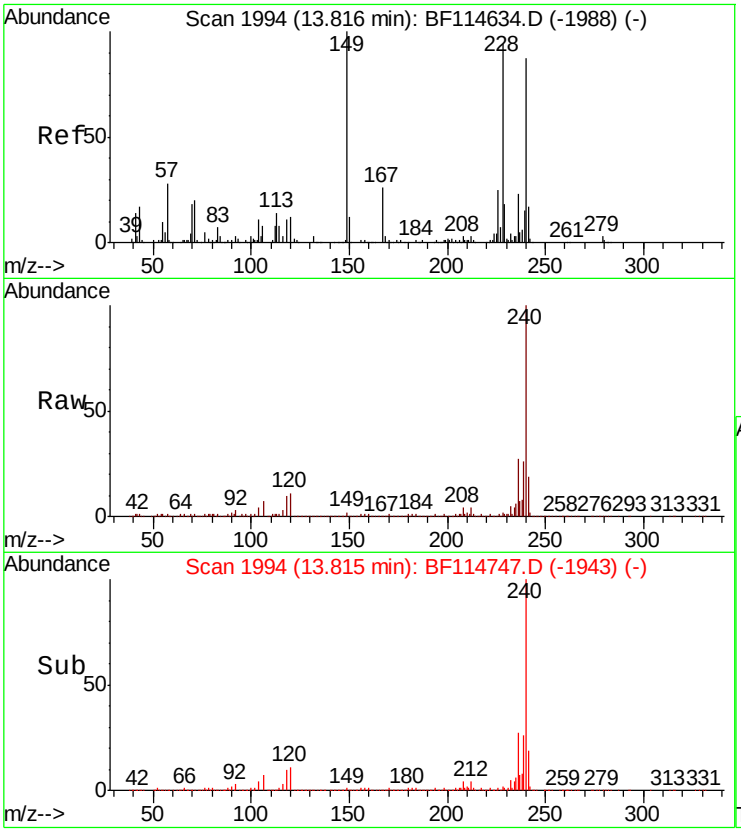



#75
Fluoranthene
Concen: 5.825 ng
RT: 12.40 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:202 Resp: 439300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.4 | 0.0 | 33.9 |
| 203 | 16.8 | 0.0 | 39.1 |

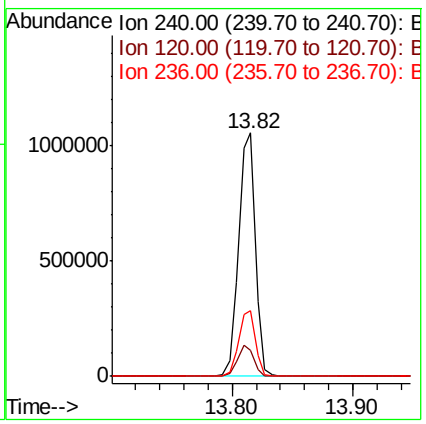





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:240 Resp: 1023706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.9 | 11.2 | 16.8# |
| 236 | 27.1 | 21.2 | 31.8 |




**Instrument :**
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**ClientSampleId :**
0429-HR-9(HACKENSACK)

**Manual Integrations APPROVED**
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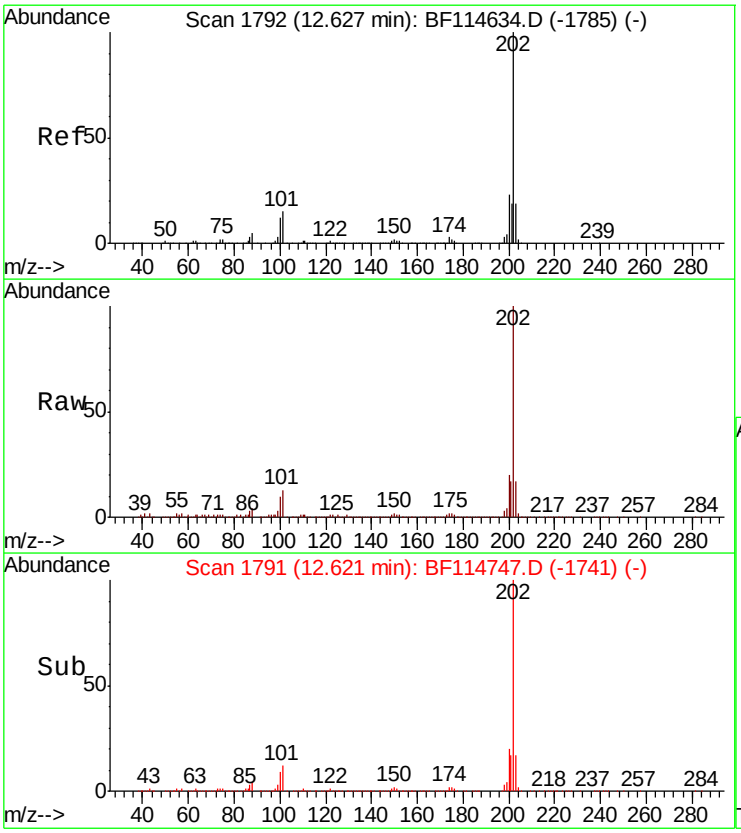
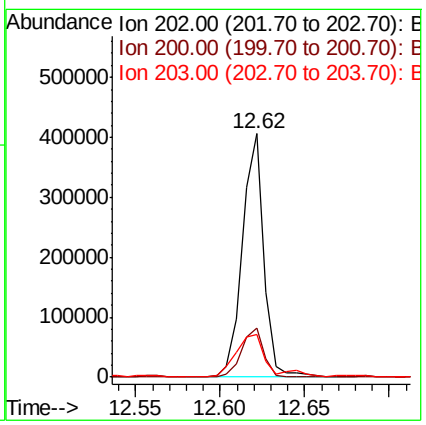
6/3/2019 8:51:09 AM

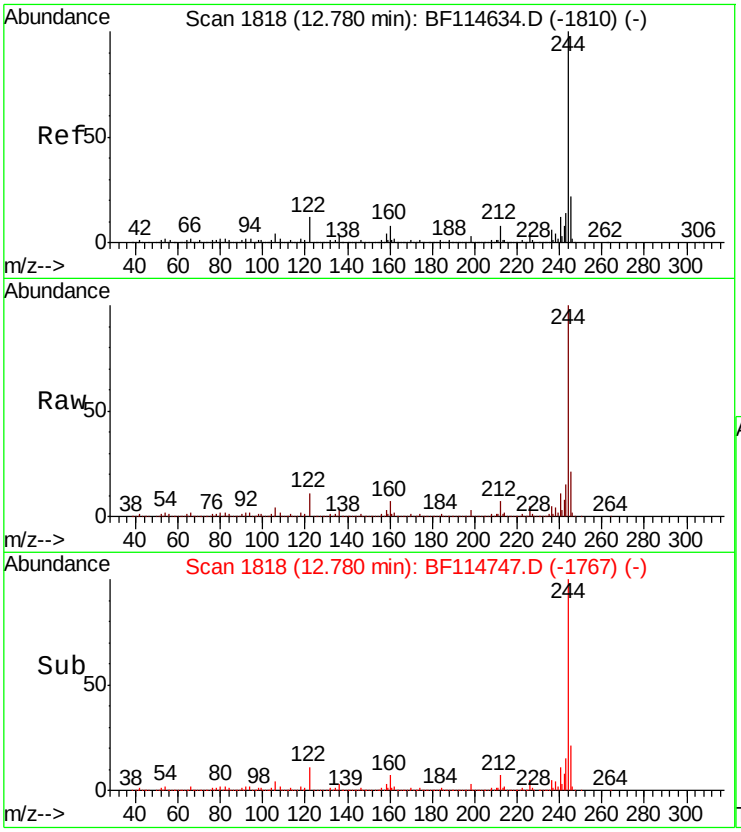



#78
Pyrene
Concen: 4.104 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:202 Resp: 355354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 18.6 | 28.0 |
| 203 | 17.3 | 15.4 | 23.2 |

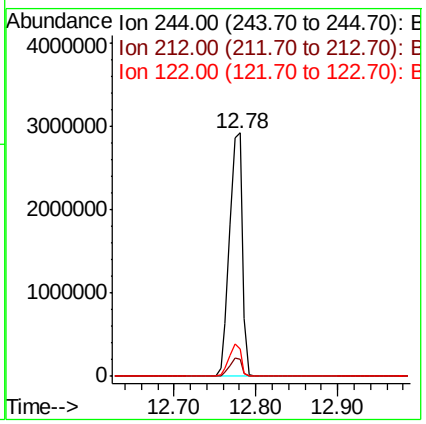





#79
Terphenyl-d14
Concen: 59.033 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

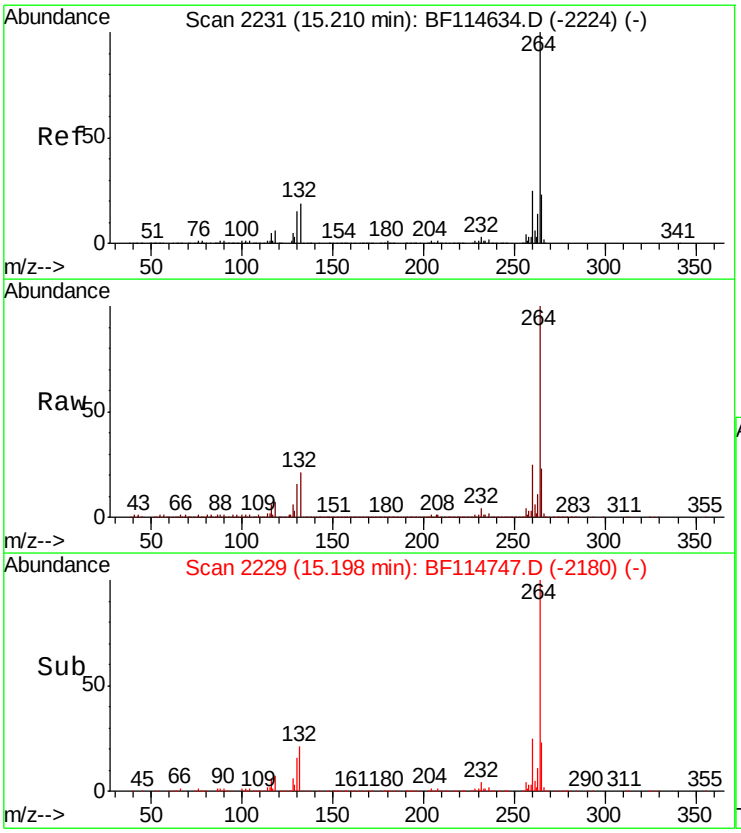
Tgt Ion:244 Resp: 3214254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.1 | 9.1 |
| 122 | 11.3 | 9.8 | 14.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
0429-HR-9(HACKENSACK)

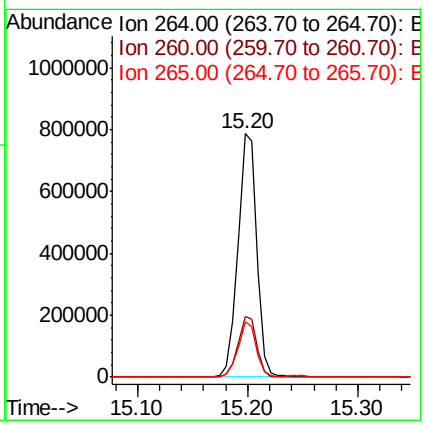
**Manual Integrations APPROVED**
mohammad
6/3/2019 8:51:09 AM

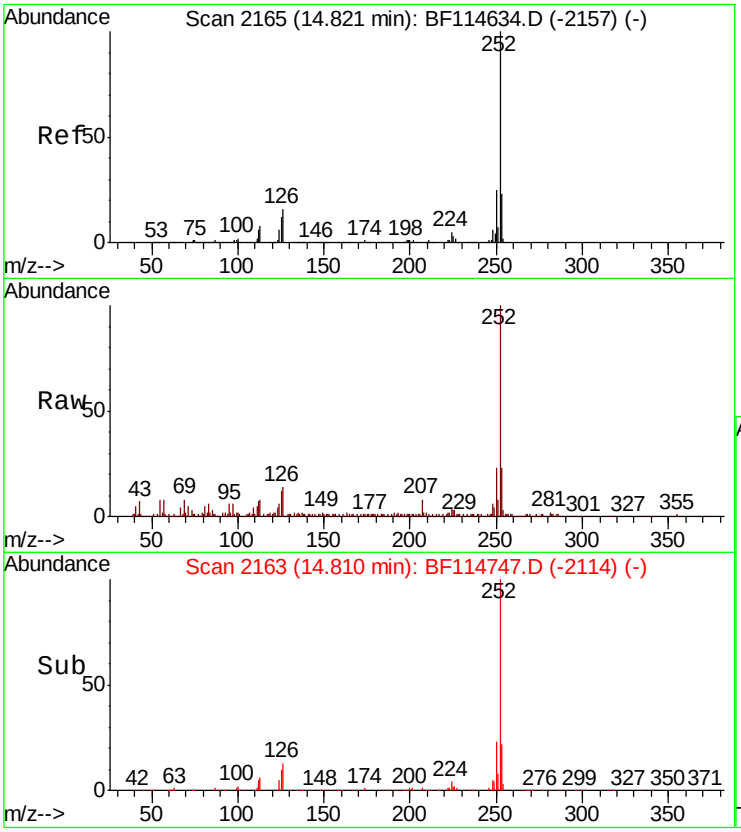



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:264 Resp: 946180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 19.7 | 29.5 |
| 265 | 22.6 | 18.1 | 27.1 |

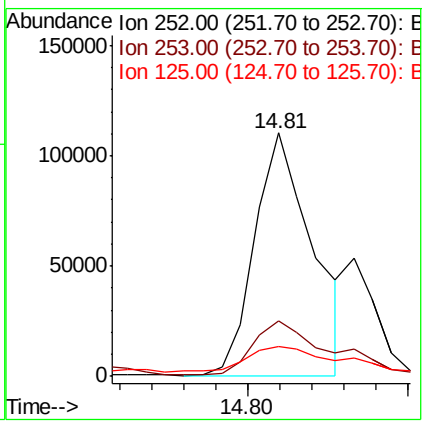





#88
Benzo(b)fluoranthene
Concen: 2.338 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF114747.D
Acq: 1 Jun 2019 10:53

Tgt Ion:252 Resp: 139358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 18.7 | 28.1 |
| 125 | 12.4 | 9.4 | 14.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
0429-HR-9(HACKENSACK)

**Manual Integrations APPROVED**
mohammad
6/3/2019 8:51:09 AM