Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006612.D
Acq On : 28 Jun 2019 14:39
Operator : HP/JU
Sample : K2241-01
Misc : LOD-S-0.1PPM
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 01:16:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

**Manual Integrations APPROVED**
mohammad
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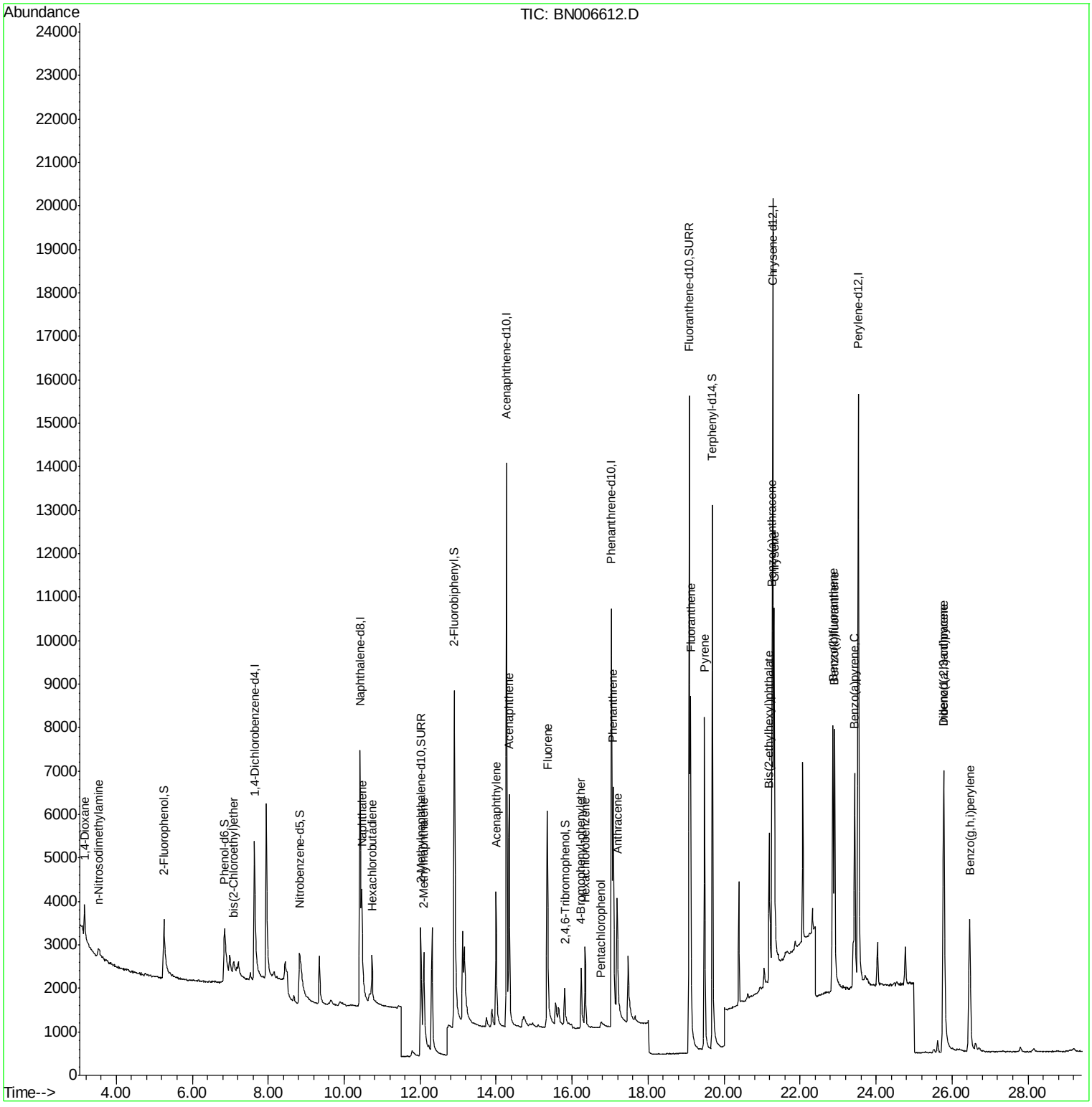
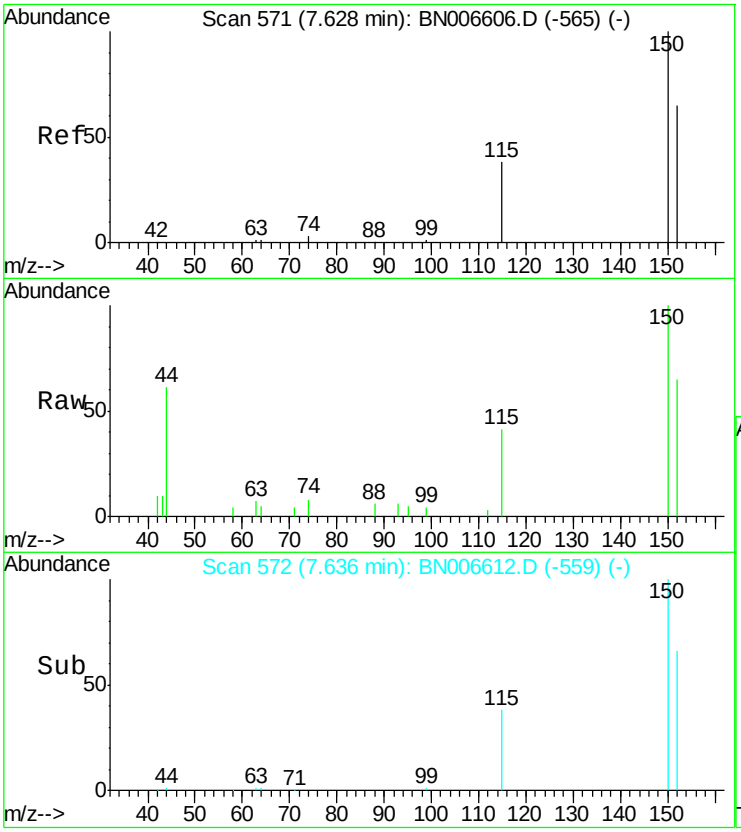
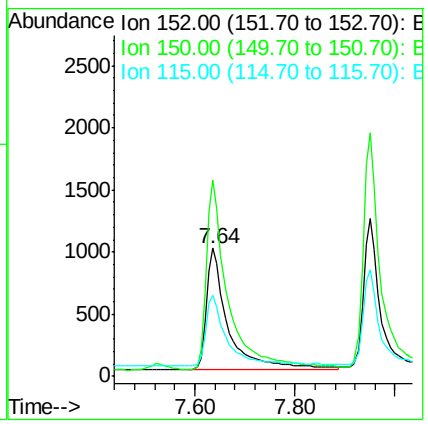





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 572
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:152 Resp: 2948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.2 | 122.2 | 183.2 |
| 115 | 63.6 | 50.0 | 75.0 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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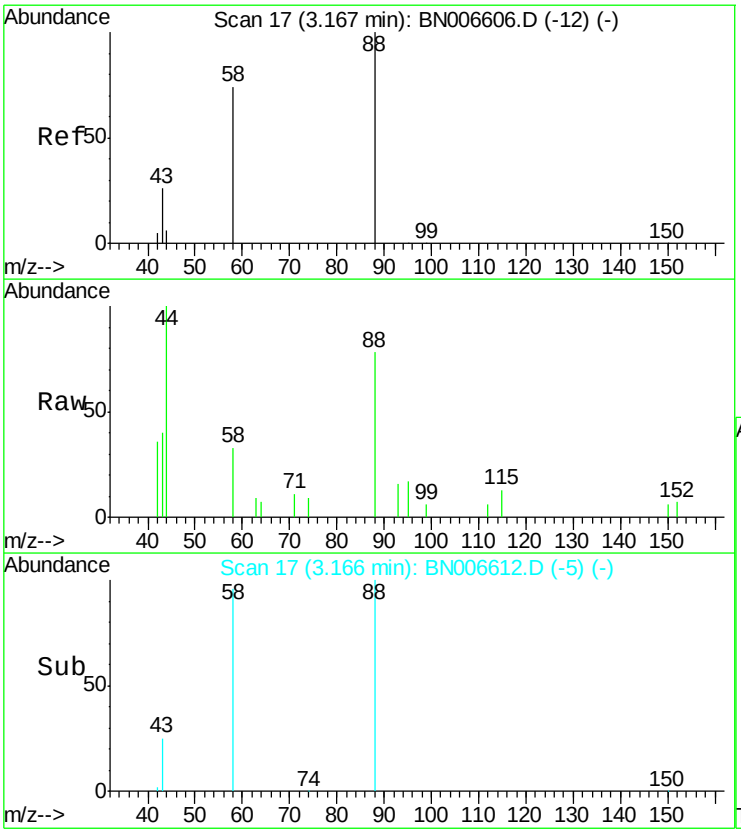
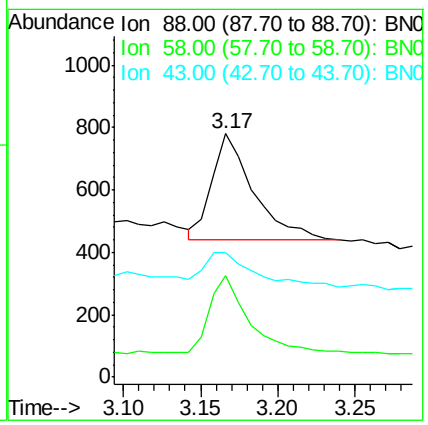
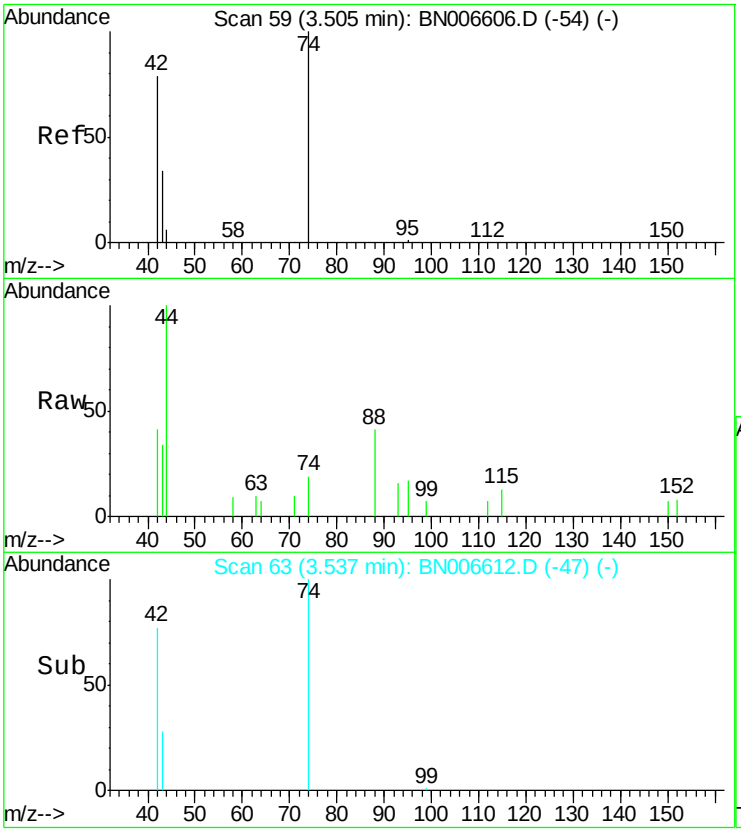



#2
1,4-Dioxane
Concen: 0.156 ng
RT: 3.17 min Scan# 17
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion: 88 Resp: 635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.2 | 62.5 | 93.7 |
| 43 | 37.8 | 25.4 | 38.0 |

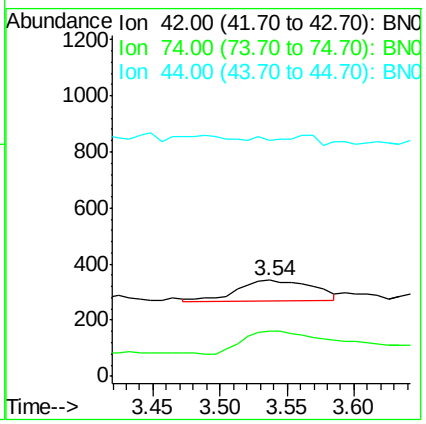





#3
n-Nitrosodimethylamine
Concen: 0.090 ng m
RT: 3.54 min Scan# 63
Delta R.T. 0.03 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion: 42 Resp: 288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 100.0 | 103.1 | 154.7# |
| 44 | 0.0 | 3.4 | 5.2# |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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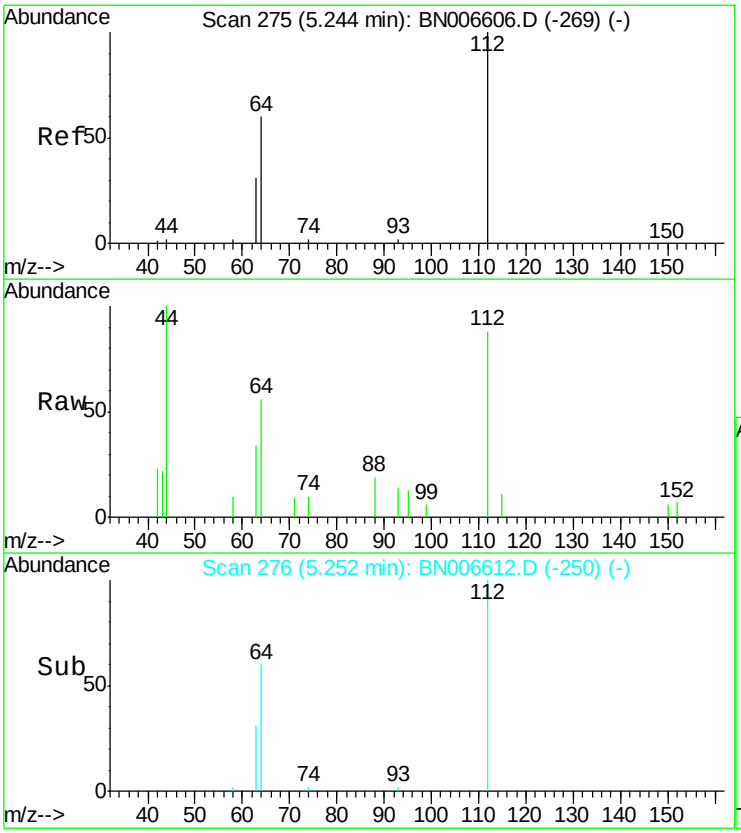
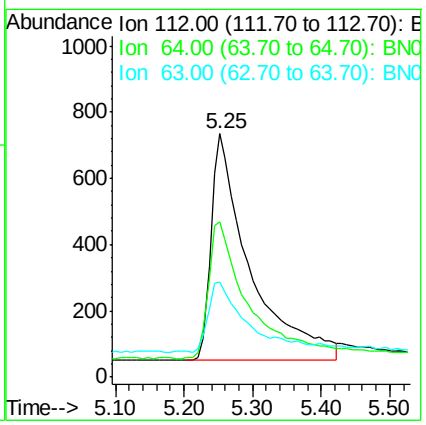
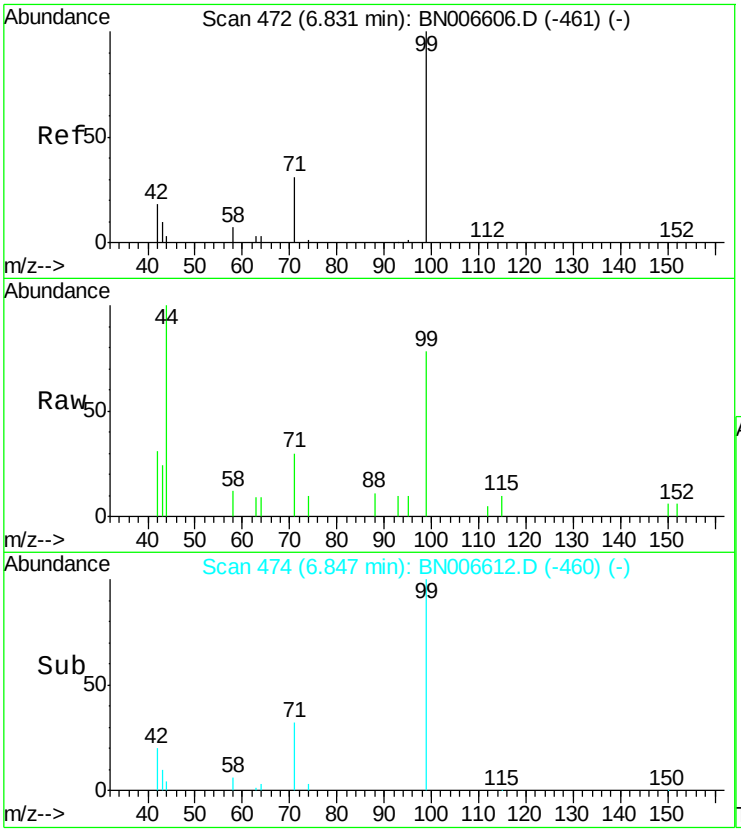



#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.25 min Scan# 276
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:112 Resp: 2702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.2 | 48.9 | 73.3 |
| 63 | 31.4 | 24.3 | 36.5 |






#5
Phenol-d6
Concen: 0.345 ng
RT: 6.85 min Scan# 474
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion: 99 Resp: 3306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.5 | 16.4 | 24.6 |
| 71 | 32.8 | 26.6 | 40.0 |

**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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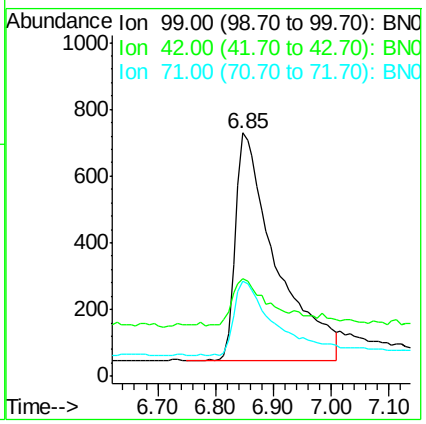
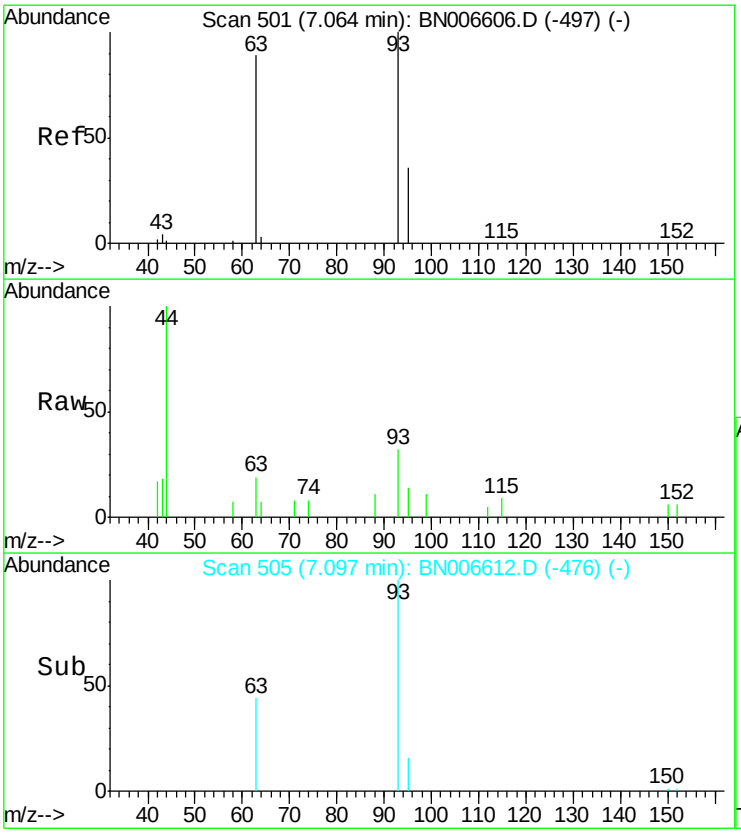
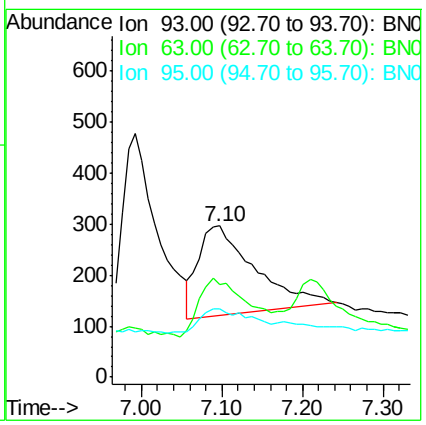


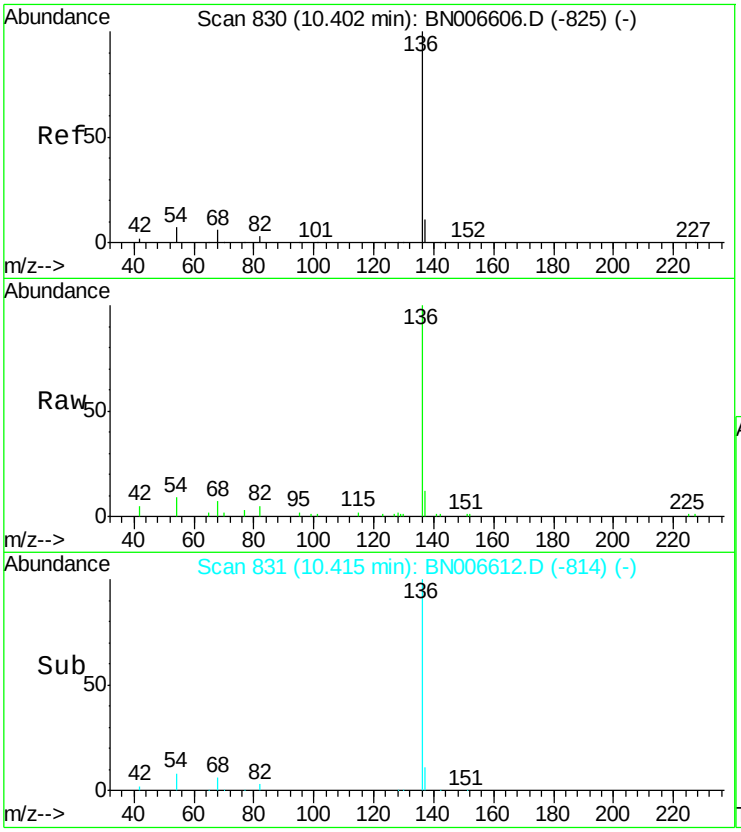




#6
bis(2-Chloroethyl)ether
Concen: 0.100 ng
RT: 7.10 min Scan# 505
Delta R.T. 0.03 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion: 93 Resp: 852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 56.1 | 52.5 | 78.7 |
| 95 | 23.7 | 24.2 | 36.4# |

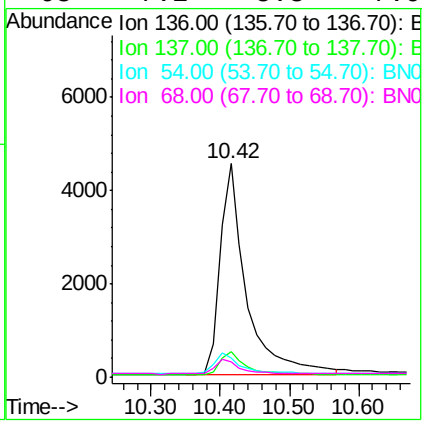





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.42 min Scan# 831
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:136 Resp: 12135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.0 | 9.3 | 13.9 |
| 54 | 9.2 | 6.7 | 10.1 |
| 68 | 7.2 | 5.3 | 7.9 |




**Instrument :**
BNA_N
**ClientSampleId :**
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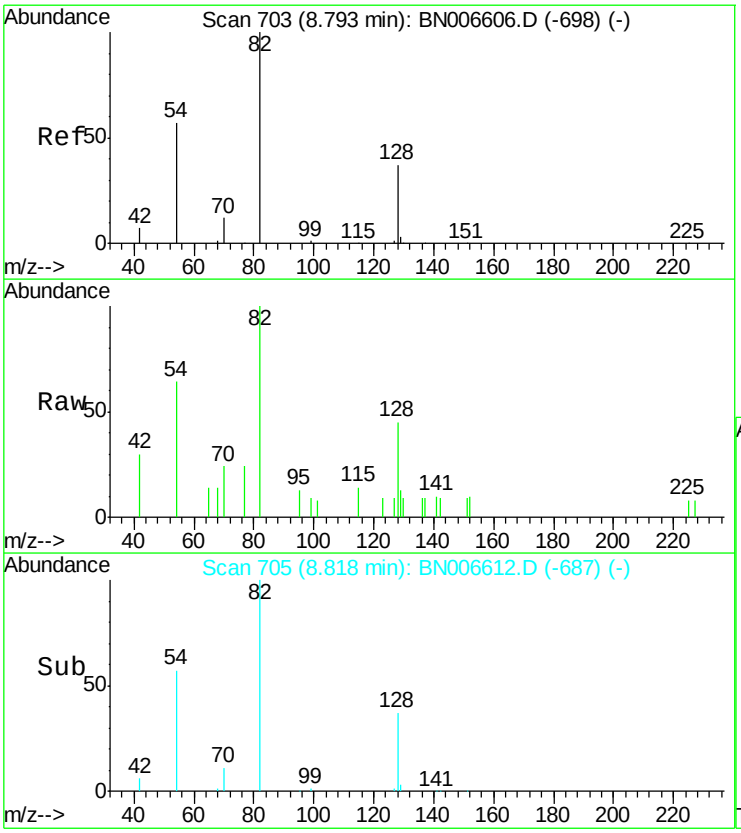
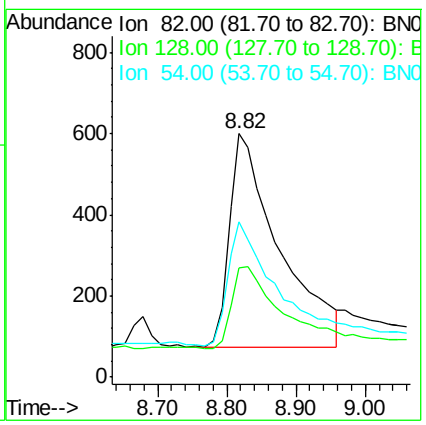
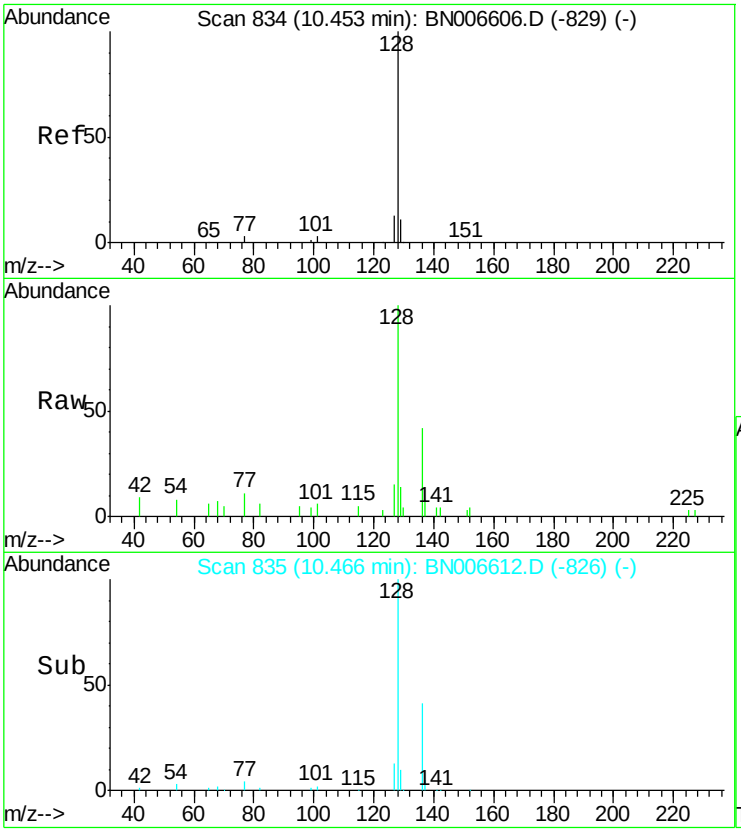



#8
Nitrobenzene-d5
Concen: 0.323 ng
RT: 8.82 min Scan# 705
Delta R.T. 0.03 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion: 82 Resp: 2633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.8 | 32.6 | 49.0 |
| 54 | 63.8 | 48.2 | 72.4 |

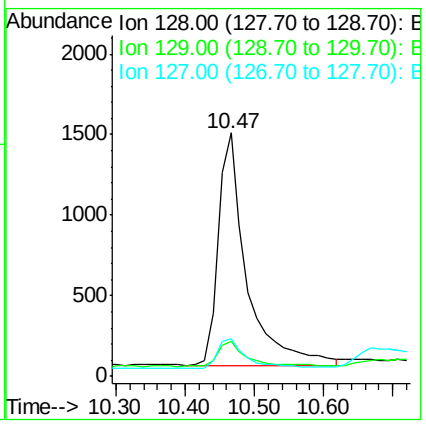





#9
Naphthalene
Concen: 0.129 ng
RT: 10.47 min Scan# 835
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:128 Resp: 4120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.2 | 9.3 | 13.9# |
| 127 | 15.5 | 10.8 | 16.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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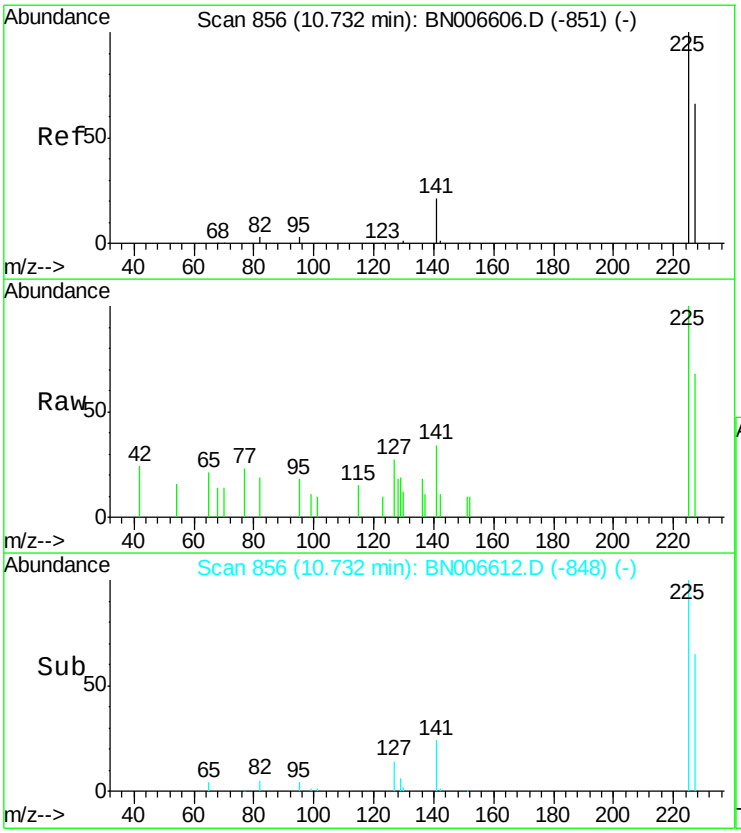
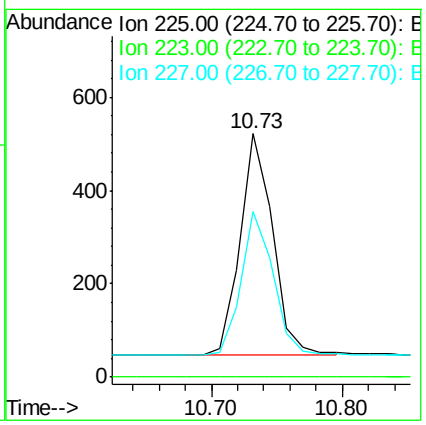
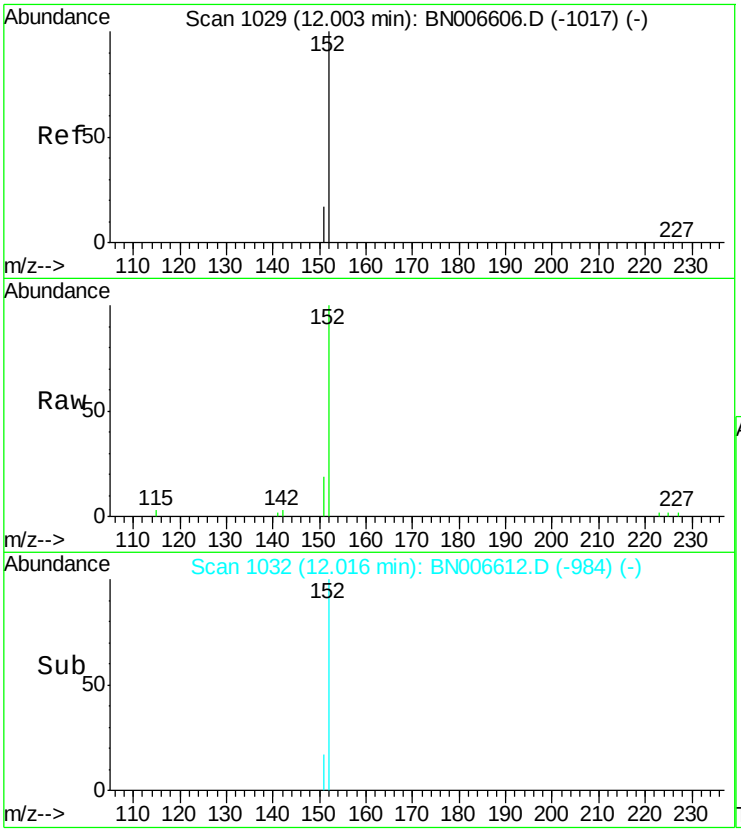



#10
Hexachlorobutadiene
Concen: 0.126 ng
RT: 10.73 min Scan# 856
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:225 Resp: 828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 0.0 | 0.0 |
| 227 | 63.5 | 51.4 | 77.2 |






#11
2-Methylnaphthalene-d10
Concen: 0.388 ng
RT: 12.02 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:152 Resp: 7410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 18.8 | 15.0 | 22.4 |

**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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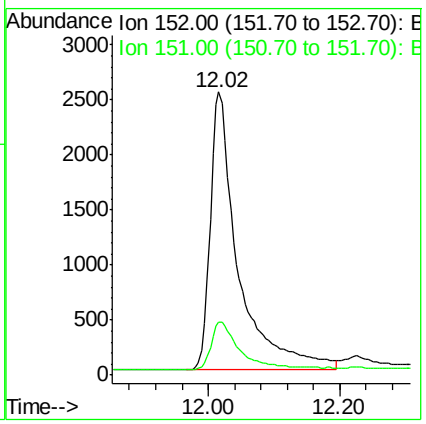
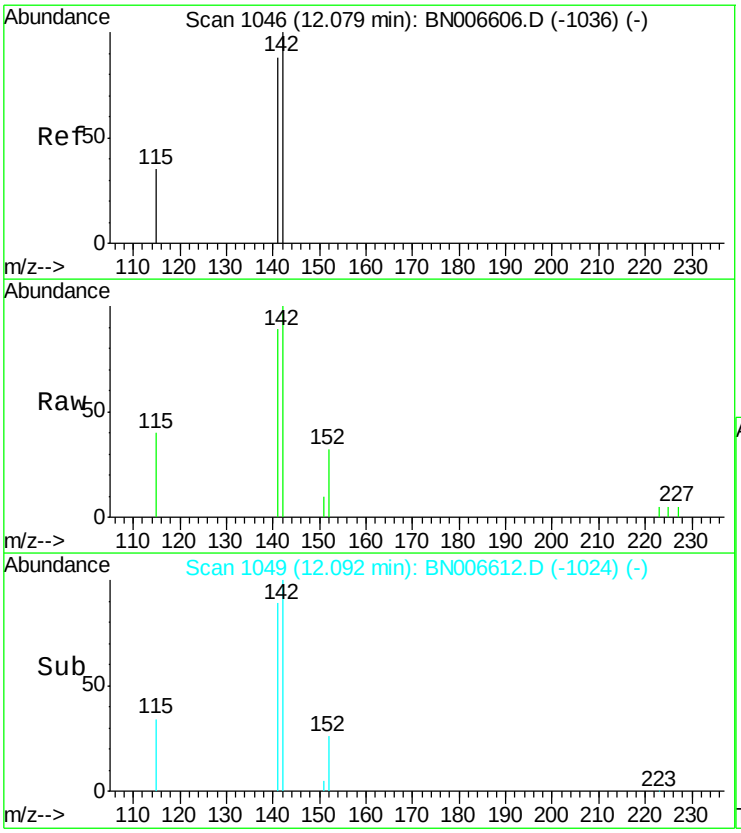
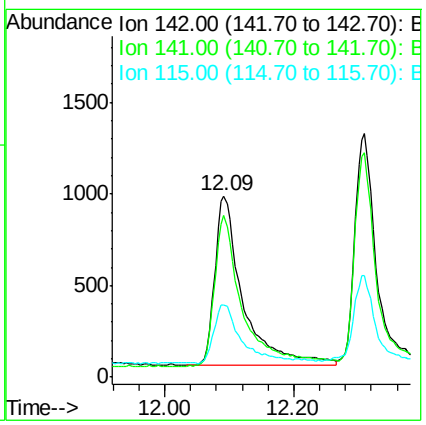


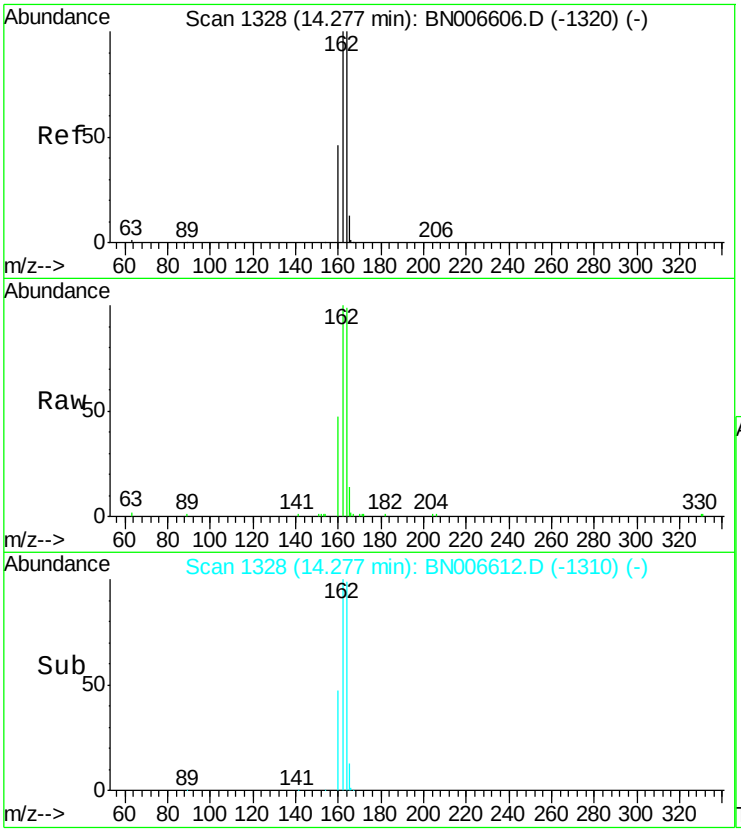




#12
2-Methylnaphthalene
Concen: 0.127 ng
RT: 12.09 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:142 Resp: 2790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.8 | 70.2 | 105.4 |
| 115 | 39.6 | 28.5 | 42.7 |

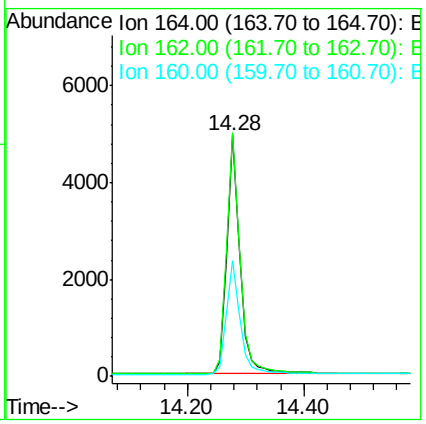





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.28 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:164 Resp: 7921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 80.0 | 120.0 |
| 160 | 48.0 | 37.0 | 55.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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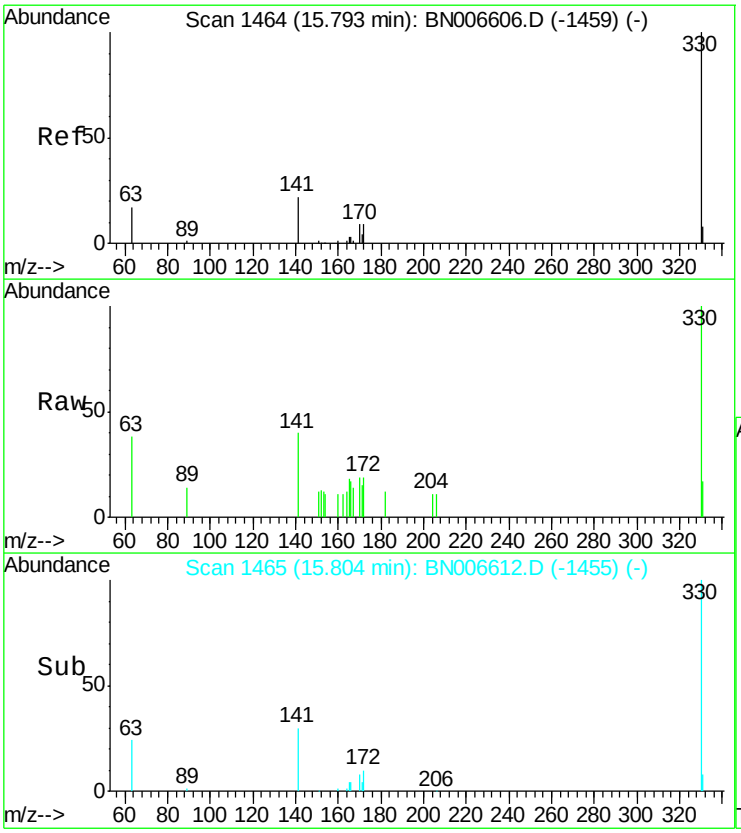
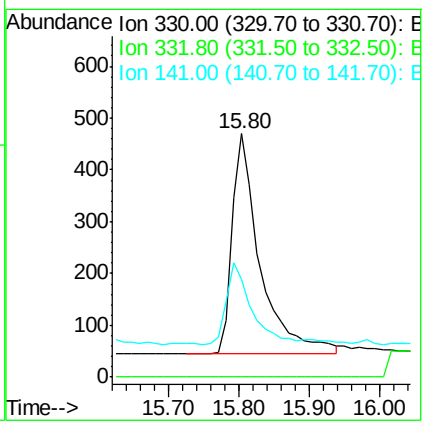
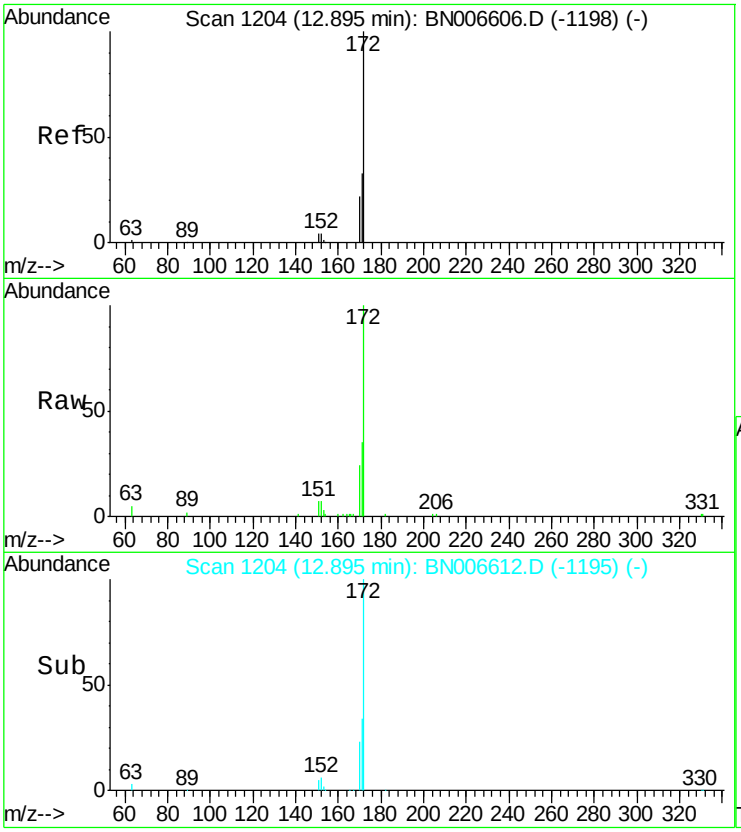



#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 15.80 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:330 Resp: 1178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 37.0 | 26.5 | 39.7 |

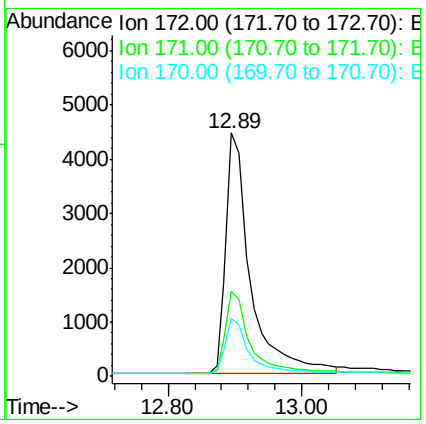





#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.89 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:172 Resp: 11484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 27.0 | 40.4 |
| 170 | 23.9 | 17.7 | 26.5 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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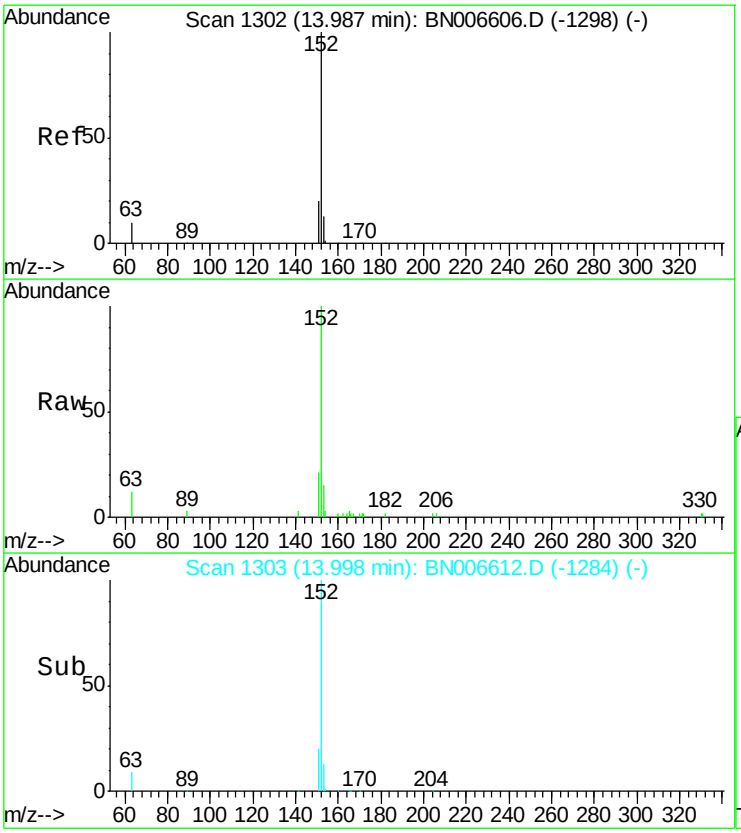
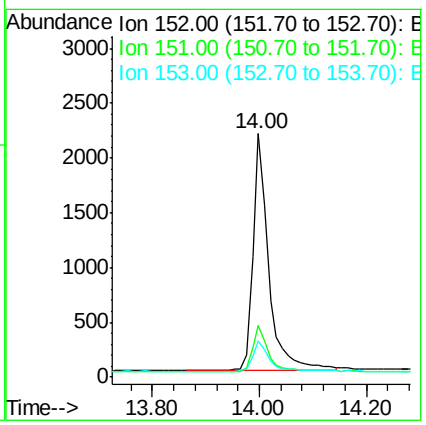
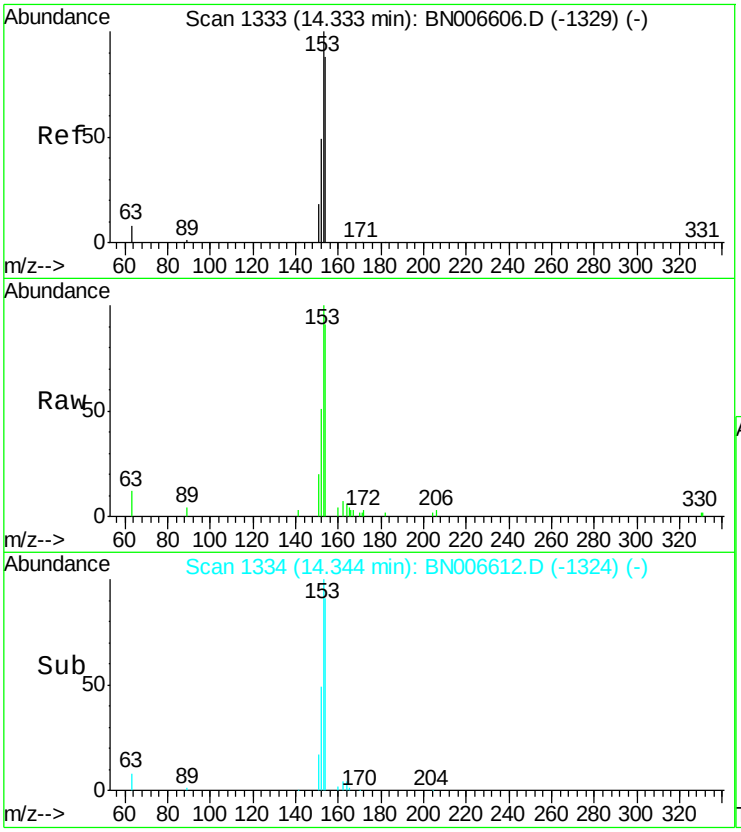



#16
Acenaphthylene
Concen: 0.117 ng
RT: 14.00 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:152 Resp: 4410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.3 | 15.6 | 23.4 |
| 153 | 12.9 | 10.5 | 15.7 |

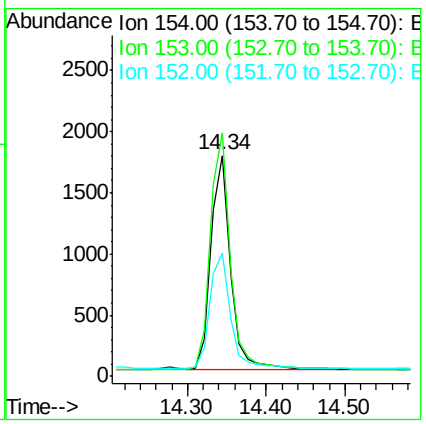





#17
Acenaphthene
Concen: 0.122 ng
RT: 14.34 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:154 Resp: 3024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.5 | 90.2 | 135.4 |
| 152 | 56.2 | 44.2 | 66.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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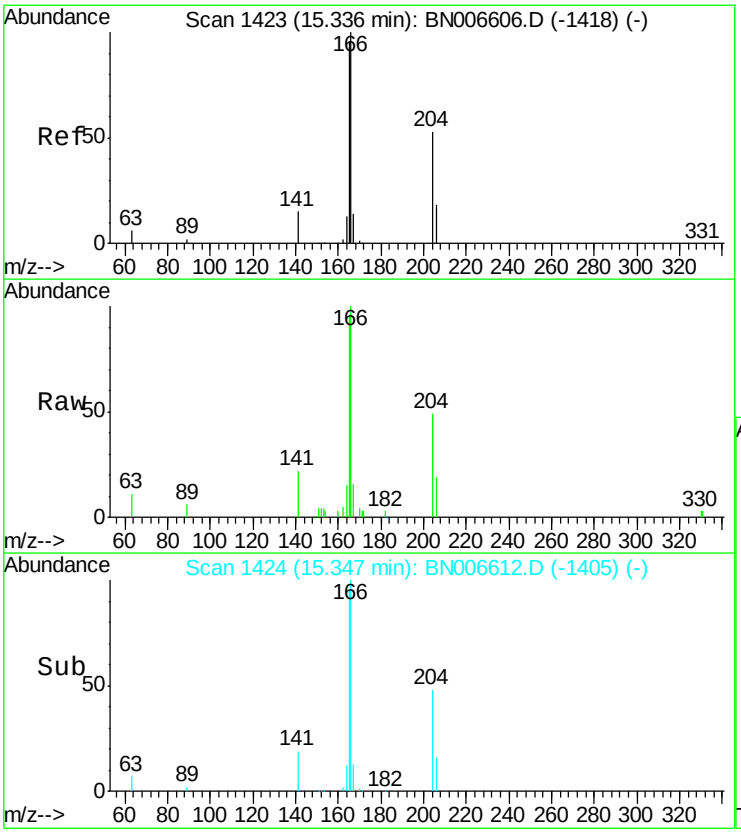
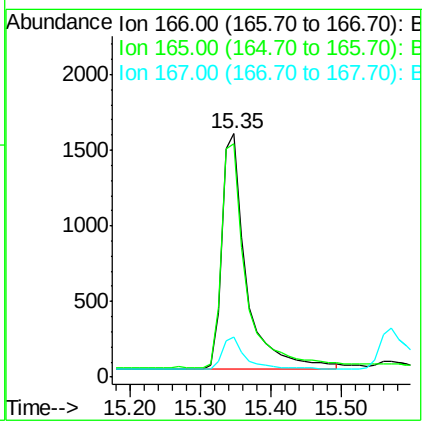
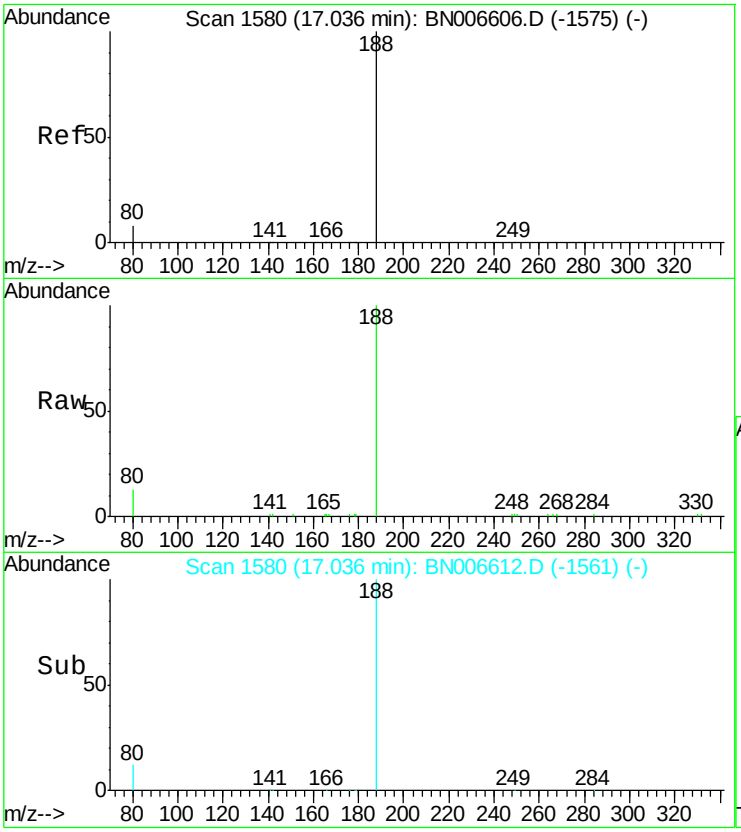



#18
Fluorene
Concen: 0.121 ng
RT: 15.35 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:166 Resp: 3809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.5 | 78.4 | 117.6 |
| 167 | 13.6 | 10.8 | 16.2 |






#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:188 Resp: 18539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 13.1 | 7.1 | 10.7# |

**Instrument :**
BNA_N
**ClientSampleId :**
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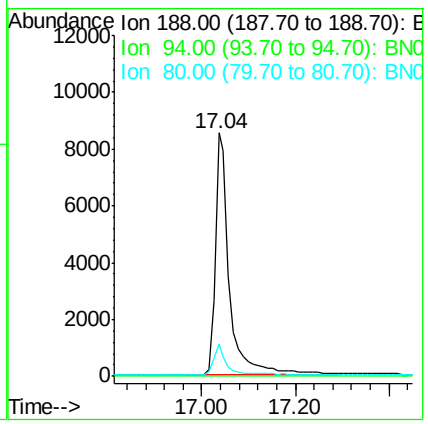
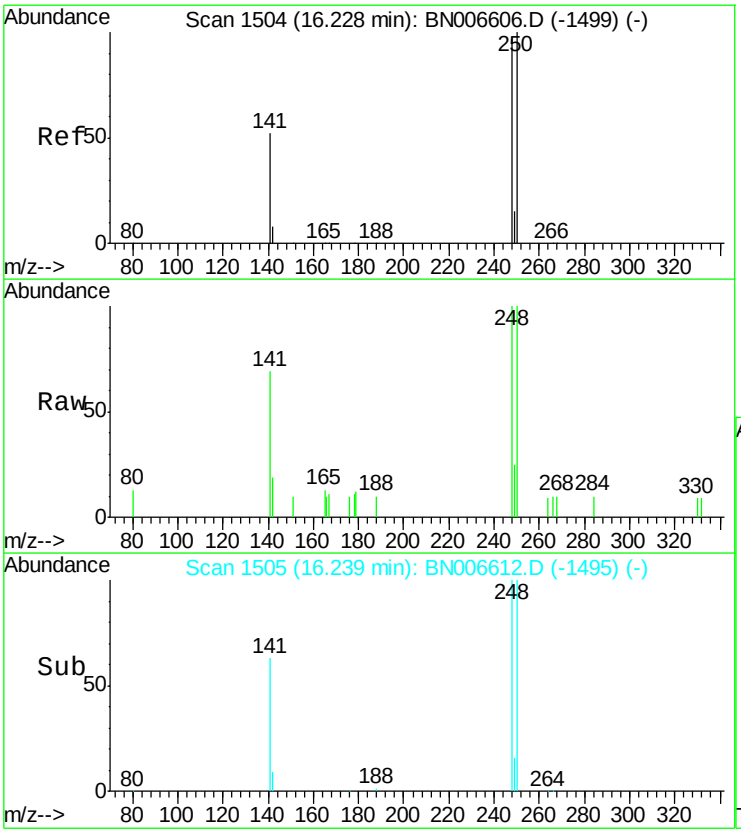
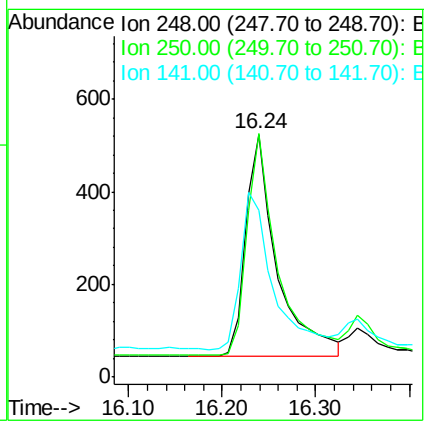


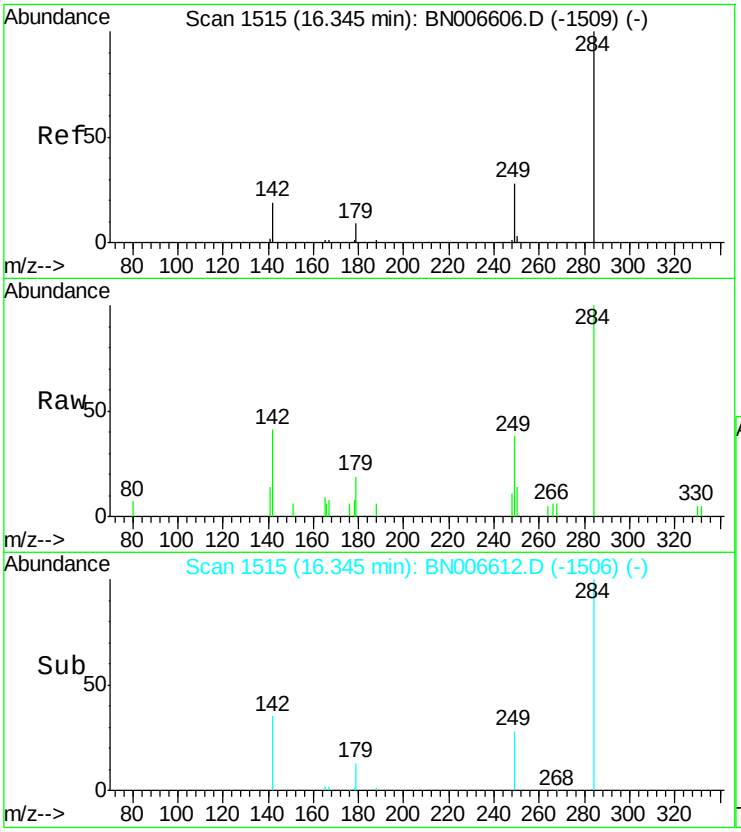




#20
4-Bromophenyl-phenylether
Concen: 0.108 ng
RT: 16.24 min Scan# 1505
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:248 Resp: 1114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 100.4 | 82.2 | 123.4 |
| 141 | 68.9 | 43.8 | 65.8# |

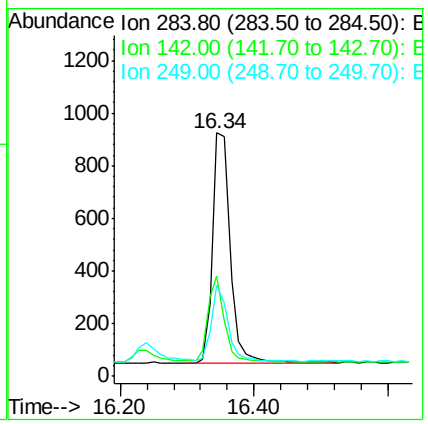





#21
Hexachlorobenzene
Concen: 0.123 ng
RT: 16.34 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:284 Resp: 1603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.9 | 27.5 | 41.3 |
| 249 | 31.0 | 24.7 | 37.1 |




**Instrument :**
BNA_N
**ClientSampleId :**
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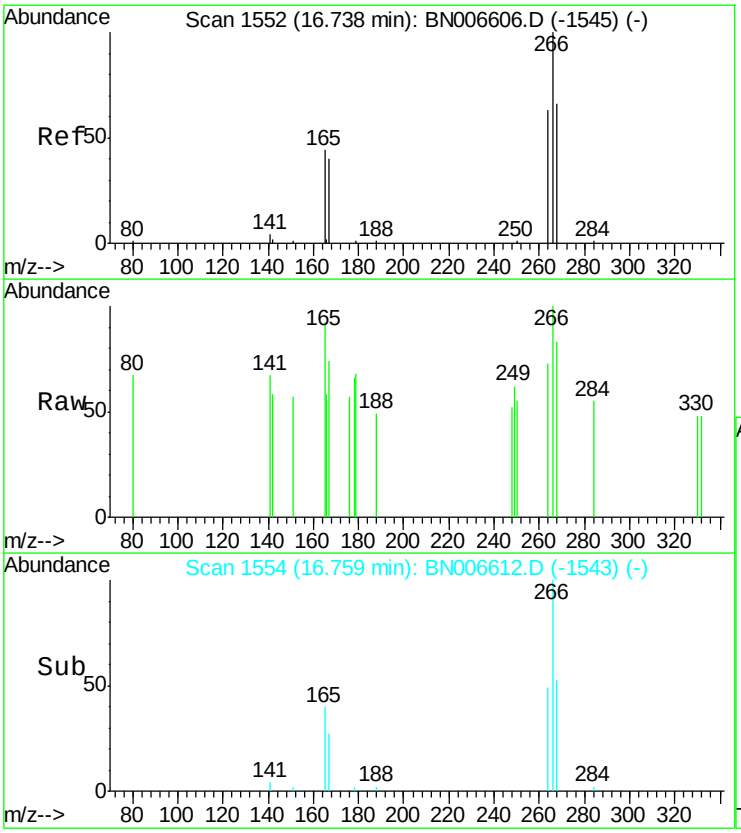
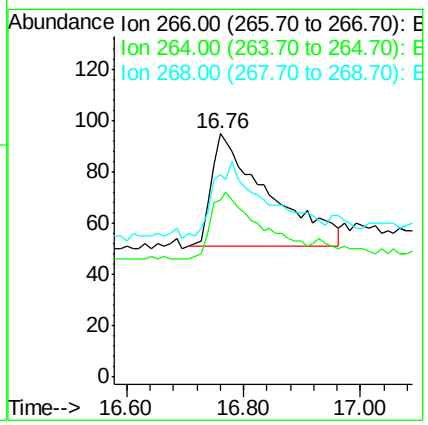
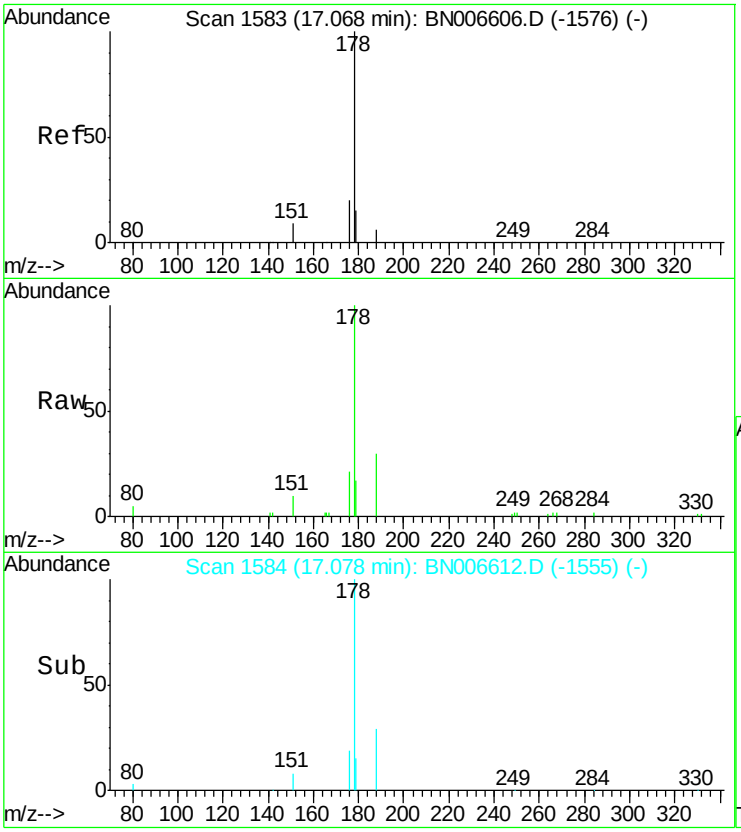



#22
Pentachlorophenol
Concen: 0.291 ng
RT: 16.76 min Scan# 1554
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:266 Resp: 295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 72.6 | 56.2 | 84.4 |
| 268 | 83.2 | 63.0 | 94.4 |

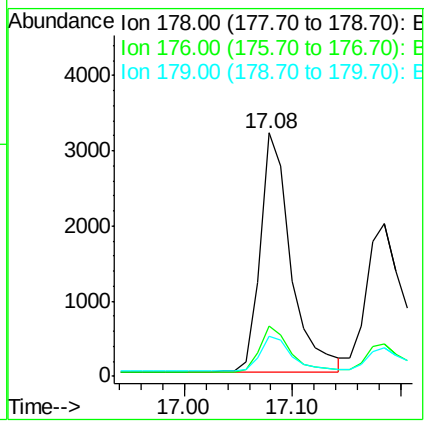





#23
Phenanthrene
Concen: 0.118 ng
RT: 17.08 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:178 Resp: 6220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.3 | 22.9 |
| 179 | 16.1 | 12.2 | 18.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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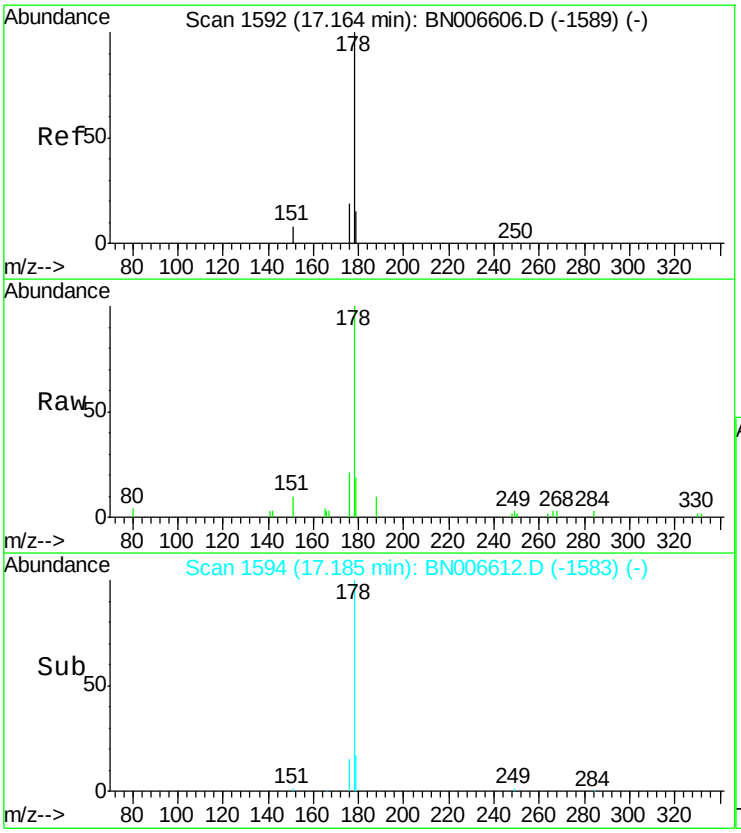
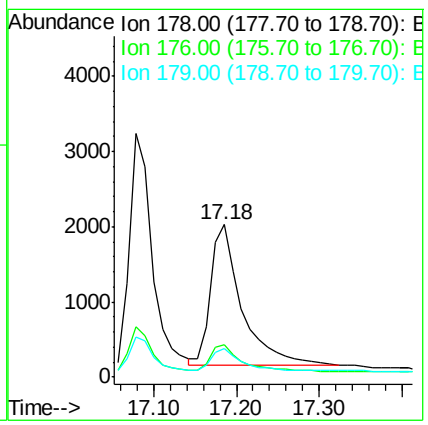
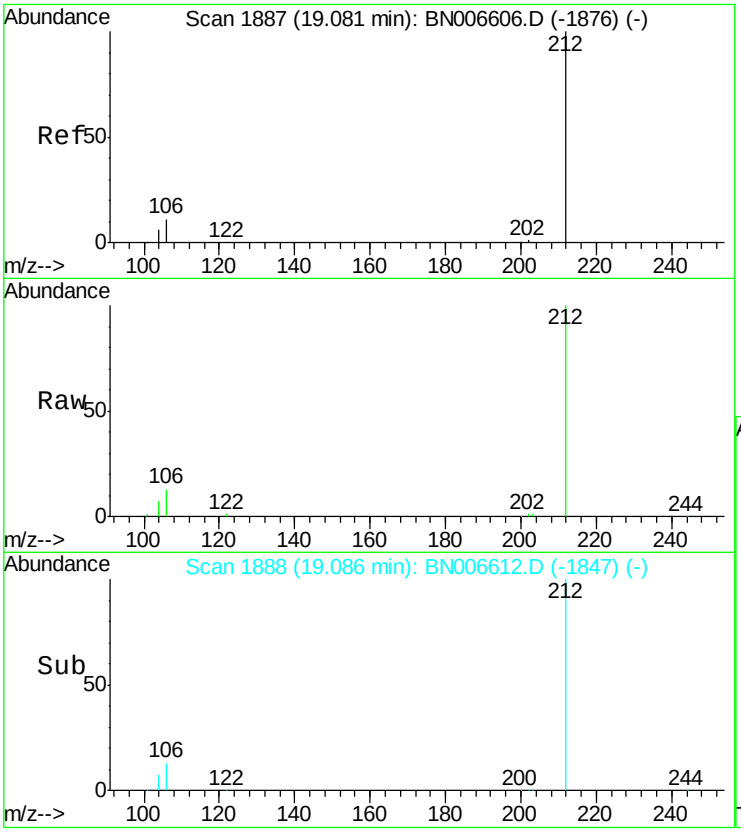



#24
Anthracene
Concen: 0.106 ng
RT: 17.18 min Scan# 1594
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:178 Resp: 4861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.8 | 15.0 | 22.4 |
| 179 | 15.4 | 12.2 | 18.2 |

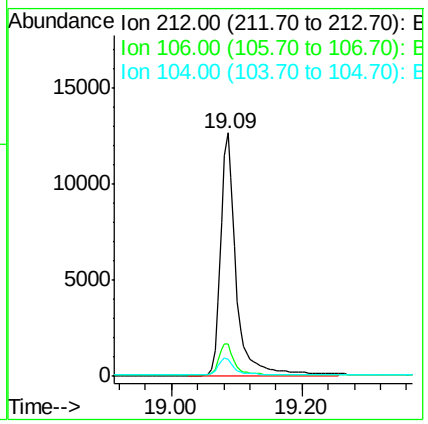





#25
Fluoranthene-d10
Concen: 0.384 ng
RT: 19.09 min Scan# 1888
Delta R.T. 0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:212 Resp: 20928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 13.5 | 10.6 | 15.8 |
| 104 | 7.3 | 5.8 | 8.6 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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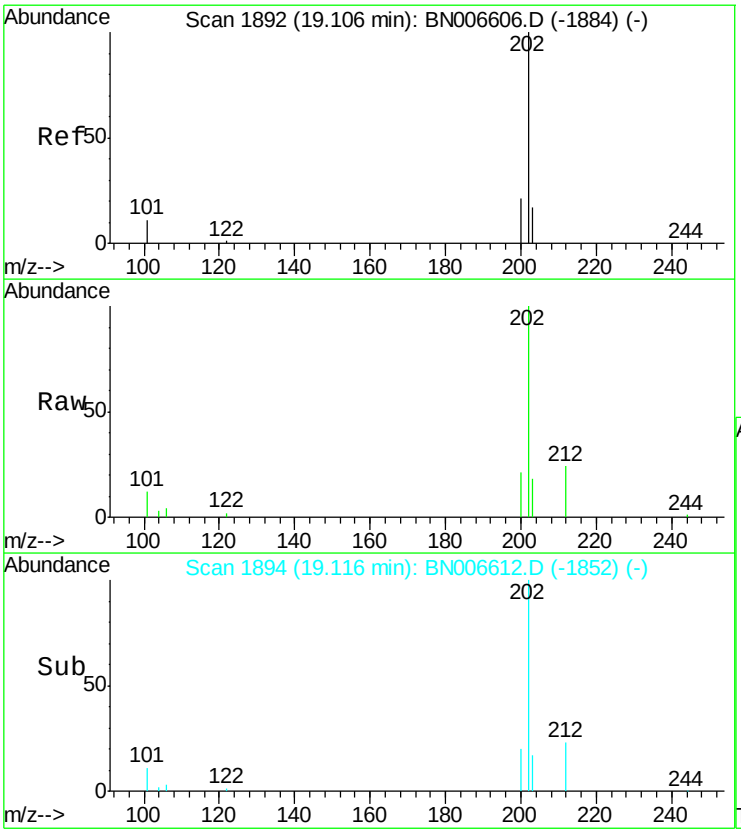
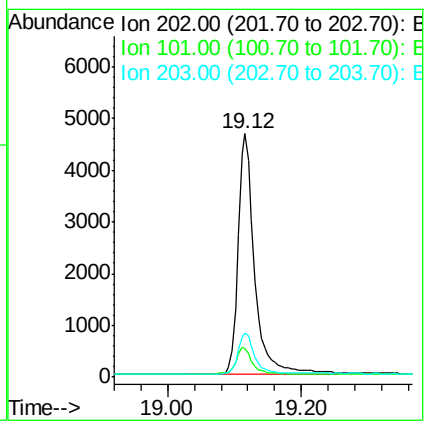
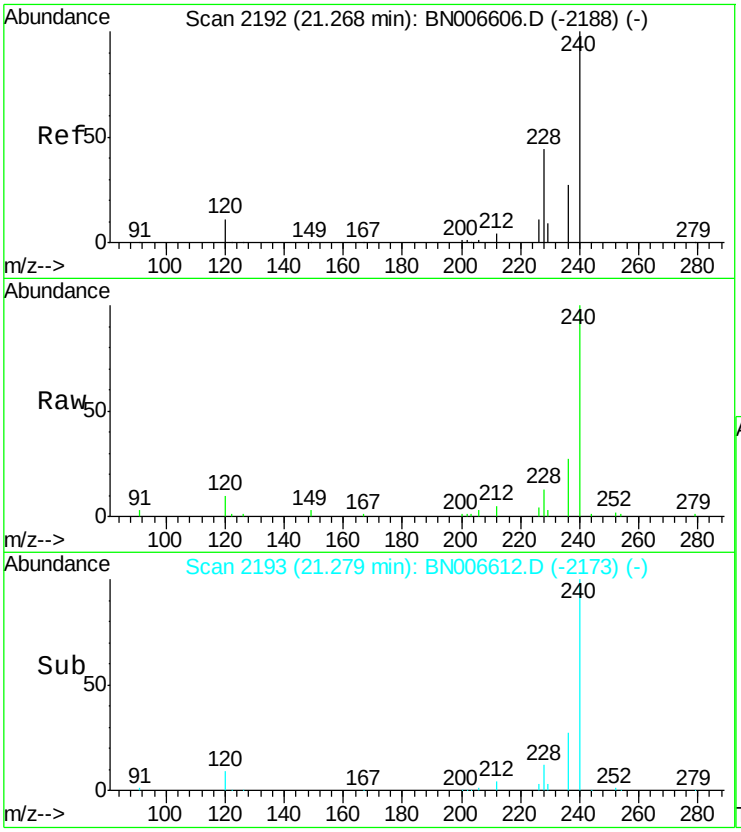



#26
Fluoranthene
Concen: 0.127 ng
RT: 19.12 min Scan# 1894
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:202 Resp: 8119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 8.9 | 13.3 |
| 203 | 17.6 | 13.6 | 20.4 |

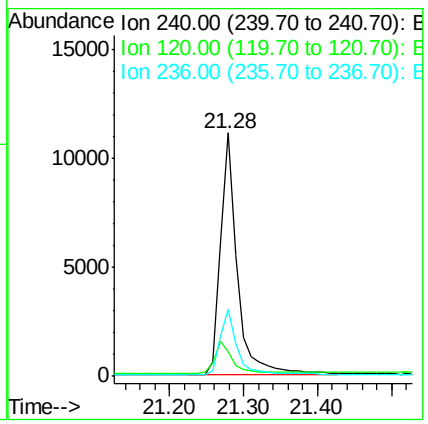





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:240 Resp: 18080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.1 | 9.9 | 14.9 |
| 236 | 27.5 | 22.2 | 33.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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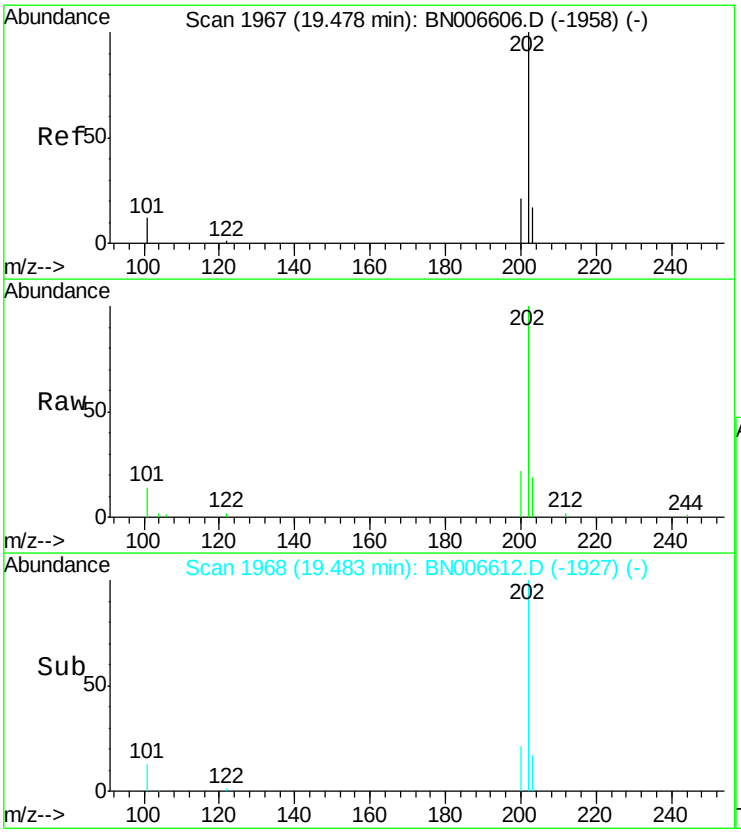
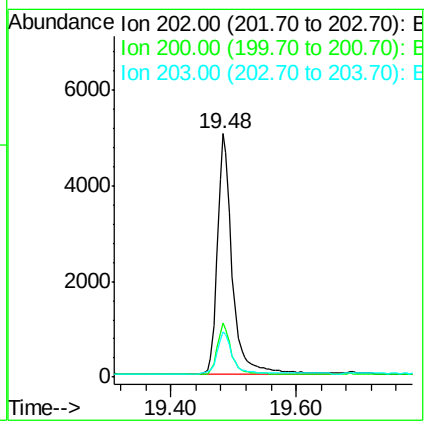
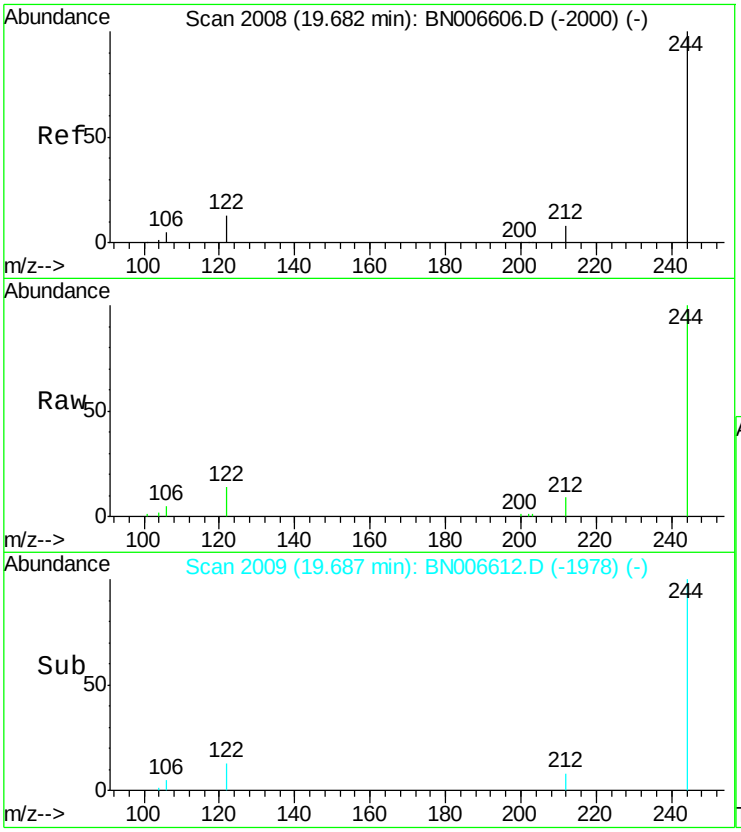



#28
Pyrene
Concen: 0.131 ng
RT: 19.48 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:202 Resp: 8299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.7 | 25.1 |
| 203 | 18.1 | 14.1 | 21.1 |

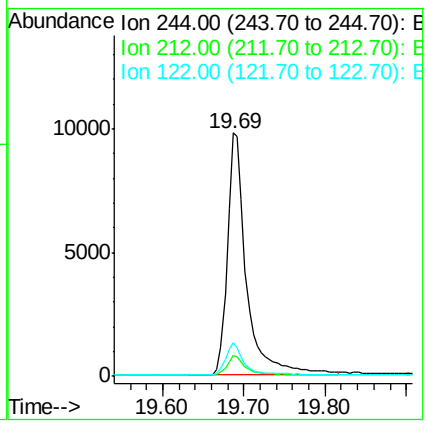





#29
Terphenyl-d14
Concen: 0.425 ng
RT: 19.69 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:244 Resp: 16084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.7 | 6.7 | 10.1 |
| 122 | 13.9 | 11.0 | 16.6 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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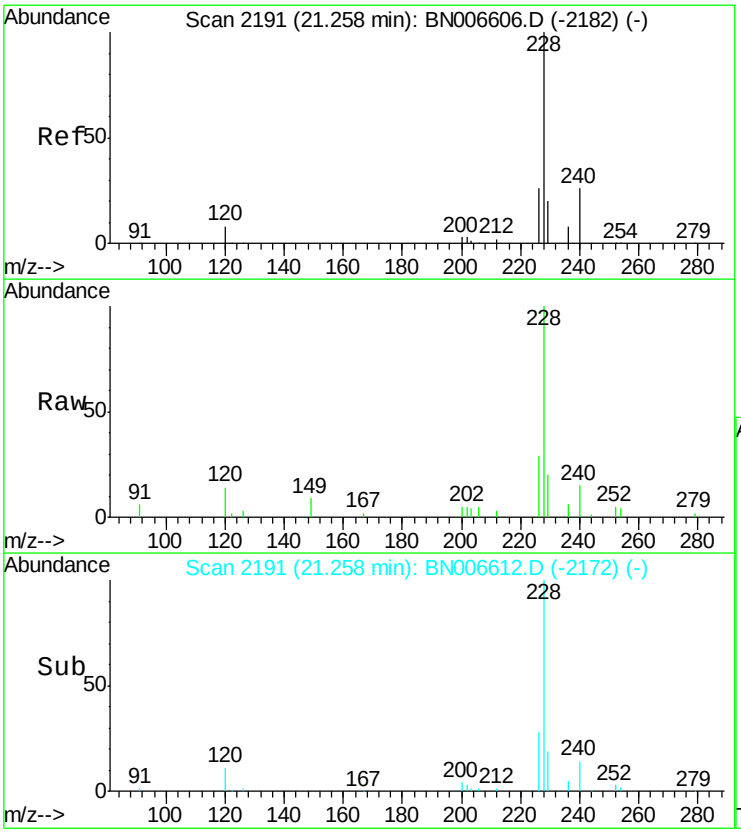
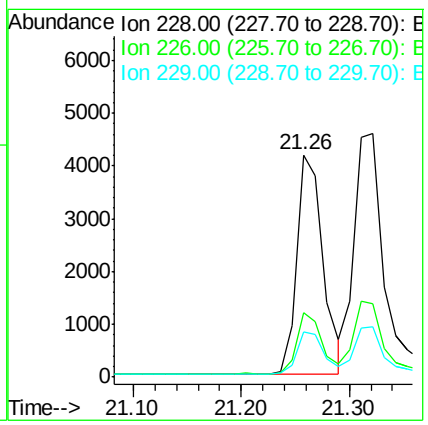
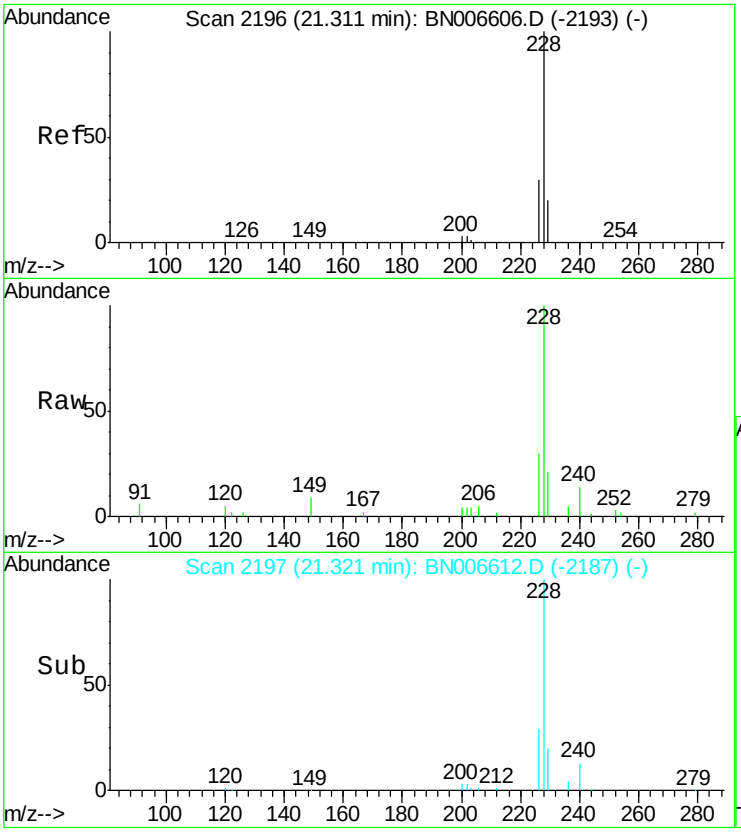



#30
Benzo(a)anthracene
Concen: 0.118 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:228 Resp: 6957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 21.2 | 31.8 |
| 229 | 20.5 | 16.1 | 24.1 |

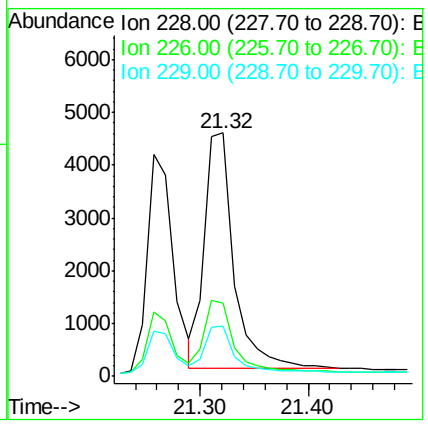





#31
Chrysene
Concen: 0.131 ng
RT: 21.32 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:228 Resp: 8374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 23.8 | 35.6 |
| 229 | 20.7 | 15.9 | 23.9 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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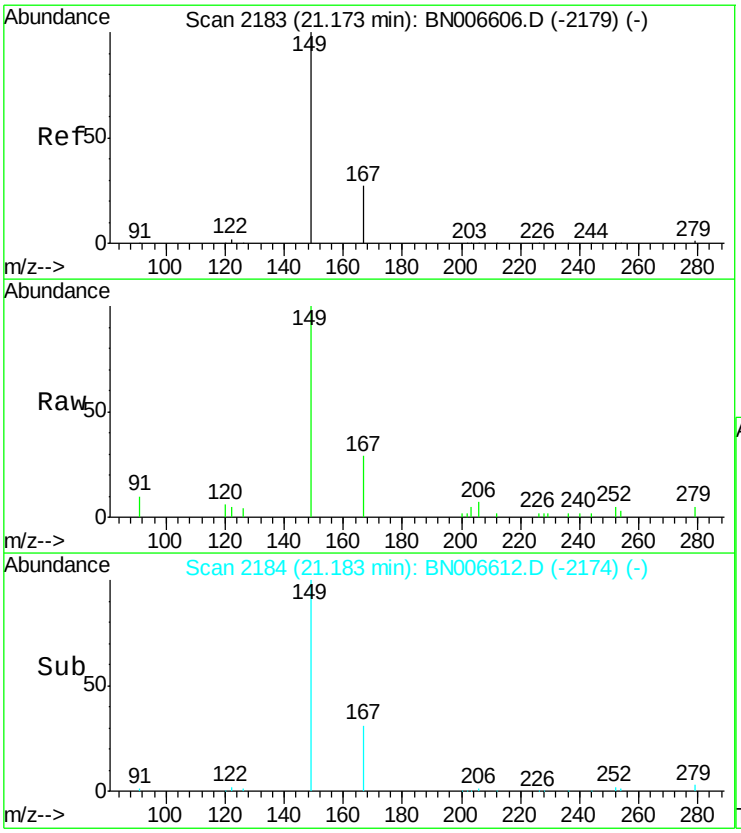
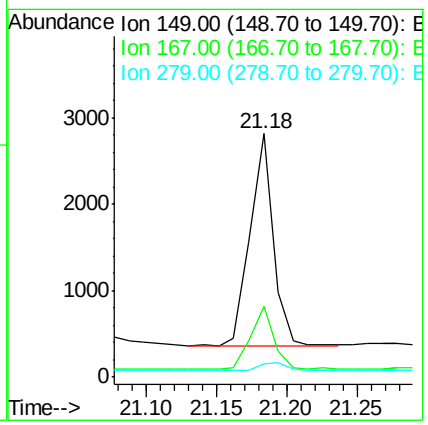
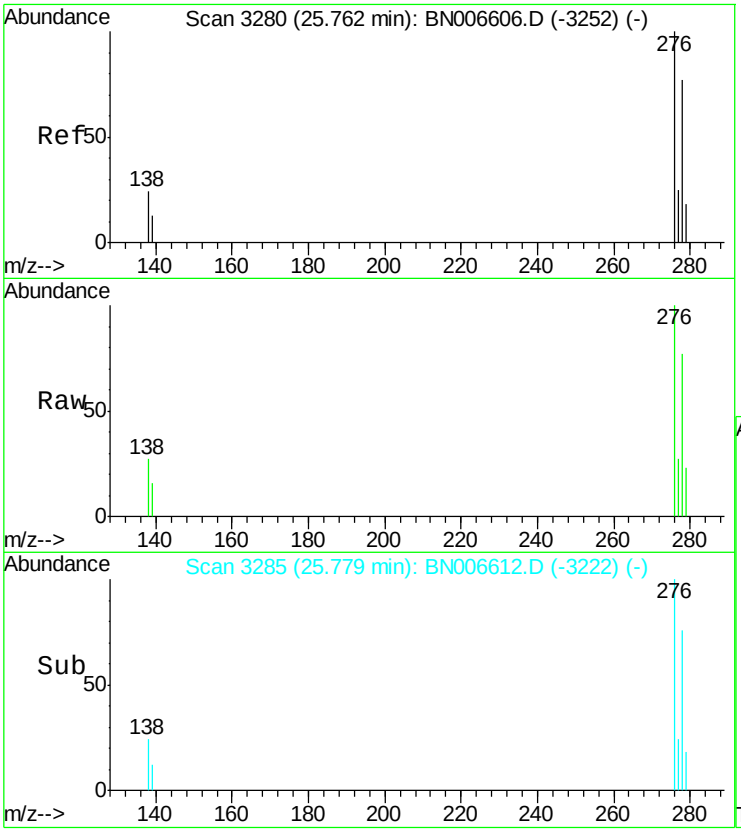



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.096 ng
RT: 21.18 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:149 Resp: 2869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.9 | 22.9 | 34.3 |
| 279 | 4.6 | 3.3 | 4.9 |

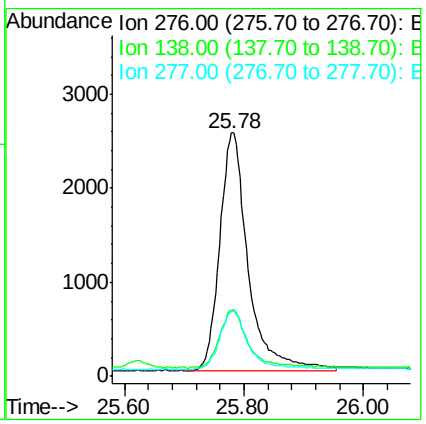





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.129 ng
RT: 25.78 min Scan# 3285
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:276 Resp: 8319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.4 | 19.3 | 28.9 |
| 277 | 24.9 | 19.9 | 29.9 |




**Instrument :**
BNA_N
**ClientSampleId :**
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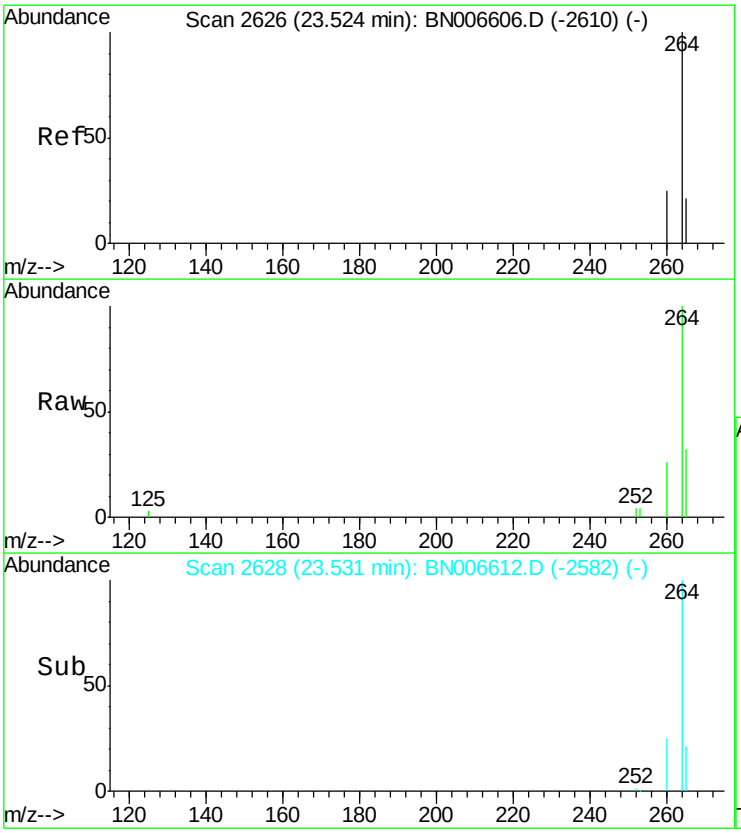
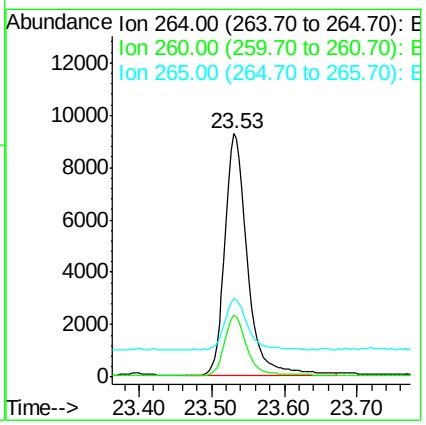
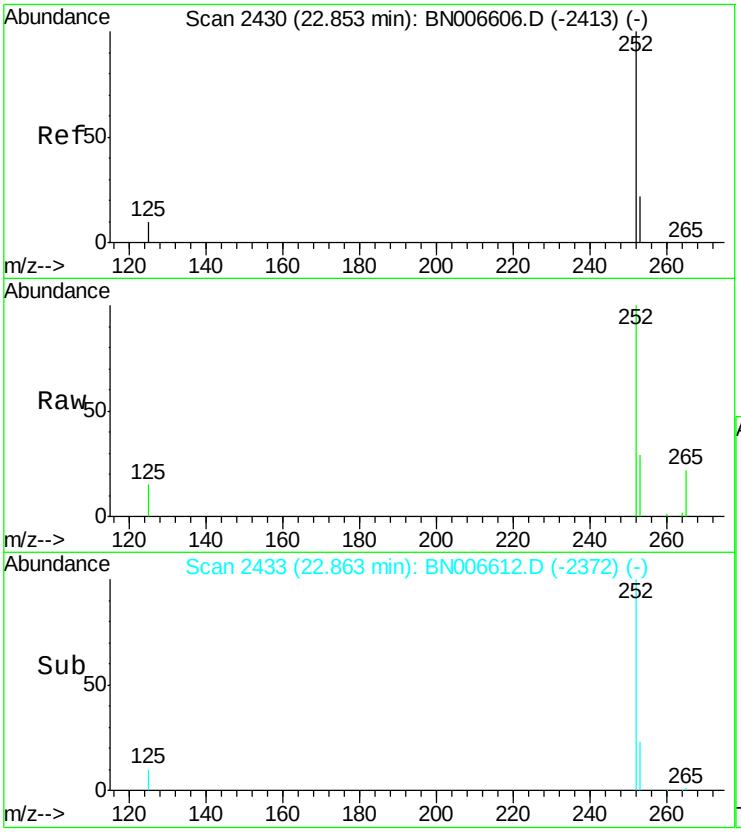



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:264 Resp: 19713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.6 | 20.2 | 30.2 |
| 265 | 32.1 | 23.3 | 34.9 |






#35
Benzo(b)fluoranthene
Concen: 0.127 ng
RT: 22.86 min Scan# 2433
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:252 Resp: 8491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.6 | 18.4 | 27.6# |
| 125 | 15.2 | 8.7 | 13.1# |

**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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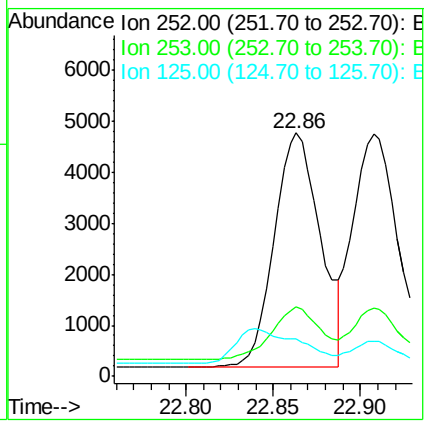
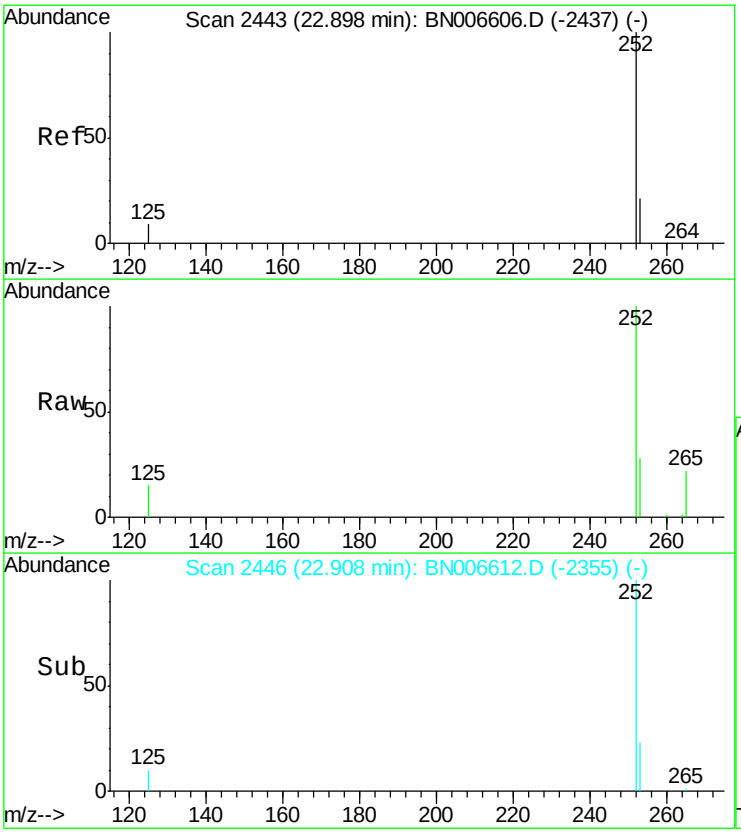
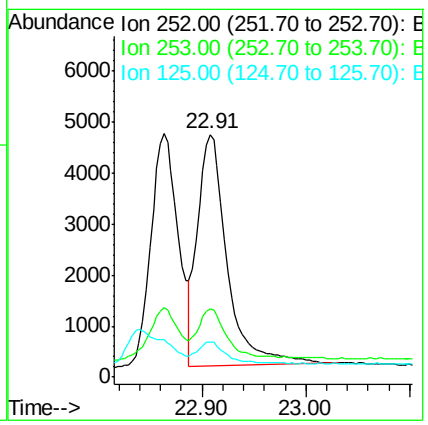


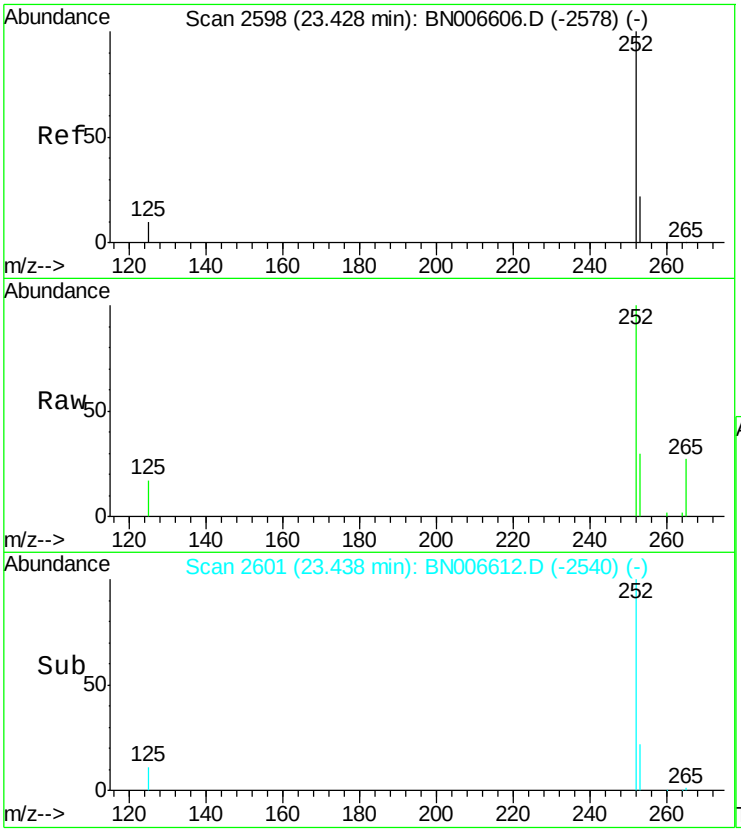




#36
Benzo(k)fluoranthene
Concen: 0.125 ng
RT: 22.91 min Scan# 2446
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:252 Resp: 8962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.3 | 18.3 | 27.5# |
| 125 | 14.7 | 8.4 | 12.6# |






#37
Benzo(a)pyrene
Concen: 0.127 ng
RT: 23.44 min Scan# 2601
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:252 Resp: 7975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.4 | 18.8 | 28.2# |
| 125 | 16.8 | 9.4 | 14.2# |

**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

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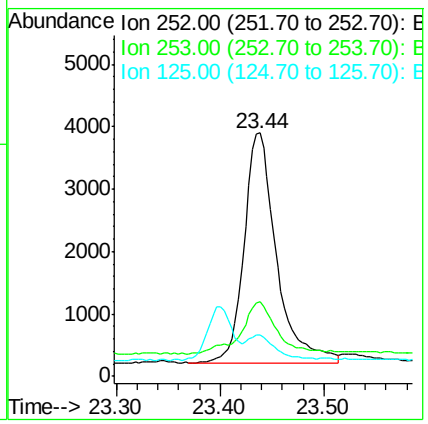
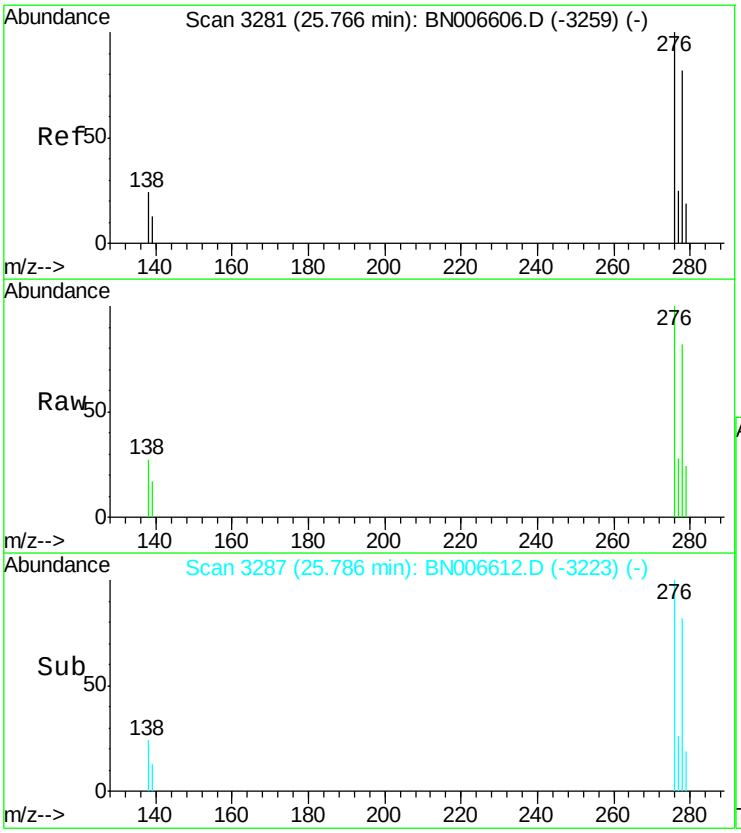
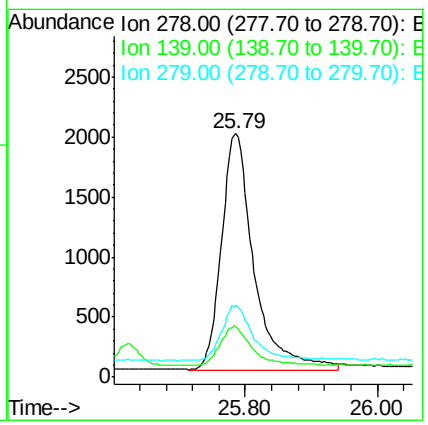


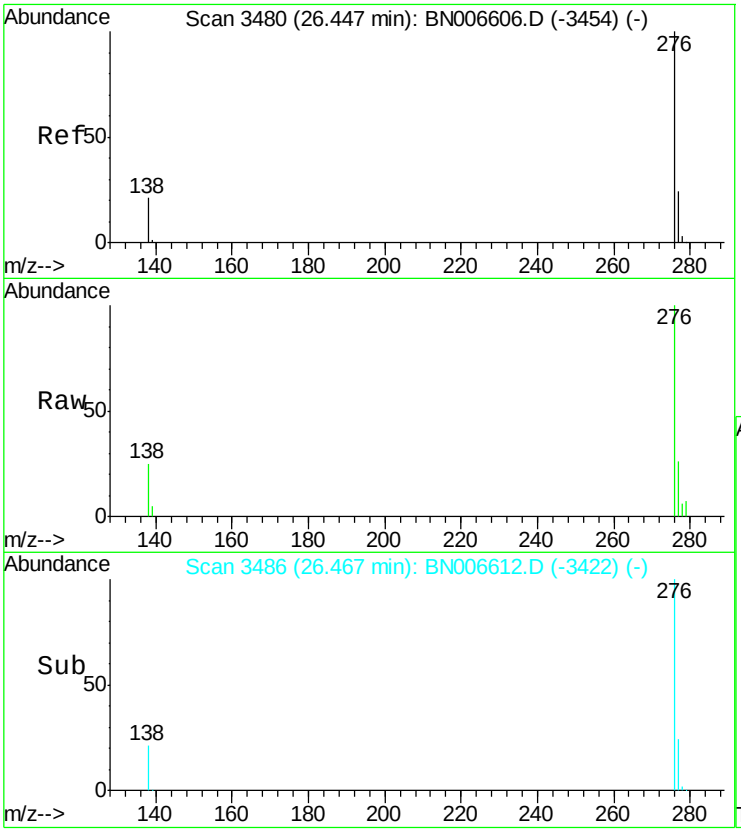




#38
Dibenzo(a,h)anthracene
Concen: 0.124 ng
RT: 25.79 min Scan# 3287
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:278 Resp: 6771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.7 | 13.5 | 20.3# |
| 279 | 29.7 | 19.4 | 29.2# |

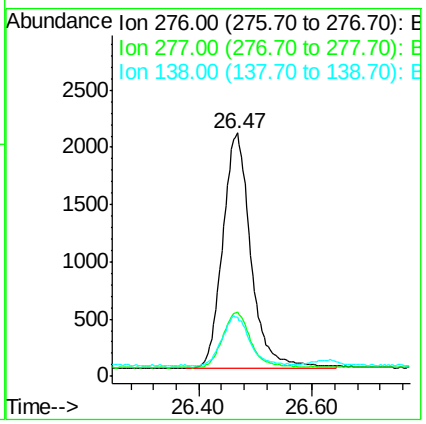





#39
Benzo(g,h,i)perylene
Concen: 0.131 ng
RT: 26.47 min Scan# 3486
Delta R.T. 0.02 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:276 Resp: 7154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.4 | 19.6 | 29.4 |
| 138 | 24.6 | 17.7 | 26.5 |




**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

**Manual Integrations APPROVED**
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Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006612.D
Acq On : 28 Jun 2019 14:39
Operator : HP/JU
Sample : K2241-01
Misc : LOD-S-0.1PPM
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

**Manual Integrations APPROVED**
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7/1/2019 3:08:28 PM

Quant Time: Jun 29 01:16:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.64 | 152 | 2948 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.42 | 136 | 12135 | 0.40 | ng | | 0.01 |
| 13) Acenaphthene-d10 | 14.28 | 164 | 7921 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.04 | 188 | 18539 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.28 | 240 | 18080 | 0.40 | ng | | 0.01 |
| 34) Perylene-d12 | 23.53 | 264 | 19713 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.25 | 112 | 2702 | 0.37 | ng | | 0.00 |
| 5) Phenol-d6 | 6.85 | 99 | 3306 | 0.35 | ng | | 0.02 |
| 8) Nitrobenzene-d5 | 8.82 | 82 | 2633 | 0.32 | ng | | 0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.02 | 152 | 7410 | 0.39 | ng | | 0.01 |
| 14) 2,4,6-Tribromophenol | 15.80 | 330 | 1178 | 0.32 | ng | | 0.01 |
| 15) 2-Fluorobiphenyl | 12.89 | 172 | 11484 | 0.39 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.09 | 212 | 20928 | 0.38 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.69 | 244 | 16084 | 0.42 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.17 | 88 | 635 | 0.156 | ng | | 88 |
| 3) n-Nitrosodimethylamine | 3.54 | 42 | 288m | 0.090 | ng | | |
| 6) bis(2-Chloroethyl)ether | 7.10 | 93 | 852 | 0.100 | ng | # | 88 |
| 9) Naphthalene | 10.47 | 128 | 4120 | 0.129 | ng | # | 94 |
| 10) Hexachlorobutadiene | 10.73 | 225 | 828 | 0.126 | ng | # | 99 |
| 12) 2-Methylnaphthalene | 12.09 | 142 | 2790 | 0.127 | ng | | 97 |
| 16) Acenaphthylene | 14.00 | 152 | 4410 | 0.117 | ng | | 100 |
| 17) Acenaphthene | 14.34 | 154 | 3024 | 0.122 | ng | | 99 |
| 18) Fluorene | 15.35 | 166 | 3809 | 0.121 | ng | | 98 |
| 20) 4-Bromophenyl-phenylether | 16.24 | 248 | 1114 | 0.108 | ng | # | 92 |
| 21) Hexachlorobenzene | 16.34 | 284 | 1603 | 0.123 | ng | | 99 |
| 22) Pentachlorophenol | 16.76 | 266 | 295 | 0.291 | ng | | 96 |
| 23) Phenanthrene | 17.08 | 178 | 6220 | 0.118 | ng | | 98 |
| 24) Anthracene | 17.18 | 178 | 4861 | 0.106 | ng | | 99 |
| 26) Fluoranthene | 19.12 | 202 | 8119 | 0.127 | ng | | 99 |
| 28) Pyrene | 19.48 | 202 | 8299 | 0.131 | ng | | 99 |
| 30) Benzo(a)anthracene | 21.26 | 228 | 6957 | 0.118 | ng | | 97 |
| 31) Chrysene | 21.32 | 228 | 8374 | 0.131 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 2869 | 0.096 | ng | | 98 |
| 33) Indeno(1,2,3-cd)pyrene | 25.78 | 276 | 8319 | 0.129 | ng | | 99 |
| 35) Benzo(b)fluoranthene | 22.86 | 252 | 8491 | 0.127 | ng | # | 89 |
| 36) Benzo(k)fluoranthene | 22.91 | 252 | 8962 | 0.125 | ng | # | 89 |
| 37) Benzo(a)pyrene | 23.44 | 252 | 7975 | 0.127 | ng | # | 86 |
| 38) Dibenzo(a,h)anthracene | 25.79 | 278 | 6771 | 0.124 | ng | # | 90 |
| 39) Benzo(g,h,i)perylene | 26.47 | 276 | 7154 | 0.131 | ng | | 95 |

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