Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121518\

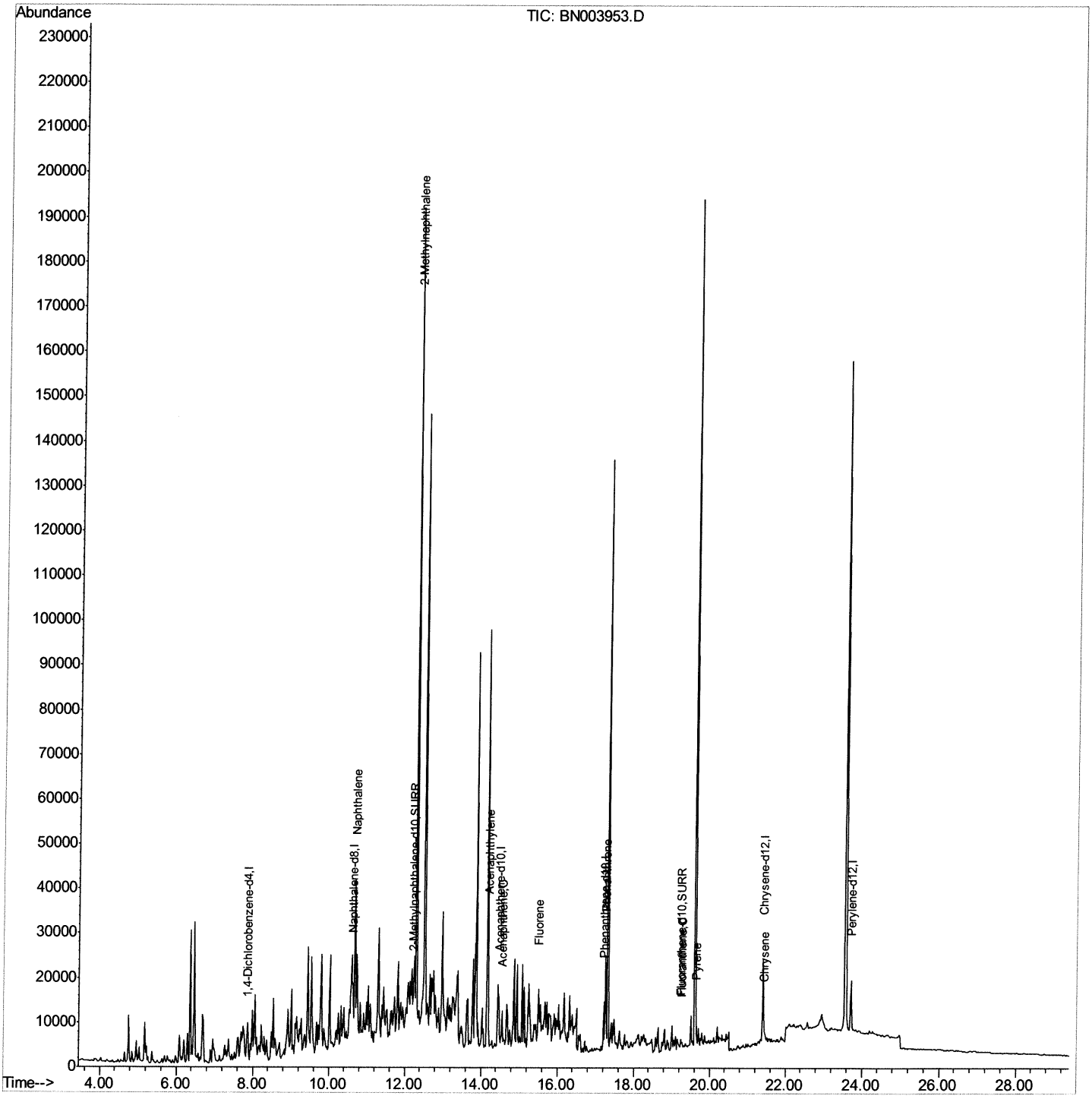
Quantitation Report (QT Reviewed)

Data File : BN003953.D
Acq On : 15 Dec 2018 11:34
Operator : JU/SJ
Sample : J6171-10DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 15 22:25:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 15 21:58:36 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
F9Y14DL

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:23:46 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121518\

Quantitation Report (Qedit)

Data File : BN003953.D
Acq On : 15 Dec 2018 11:34
Operator : JU/SJ
Sample : J6171-10DL 5X
Misc :
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Quant Time: Dec 15 22:01:26 2018
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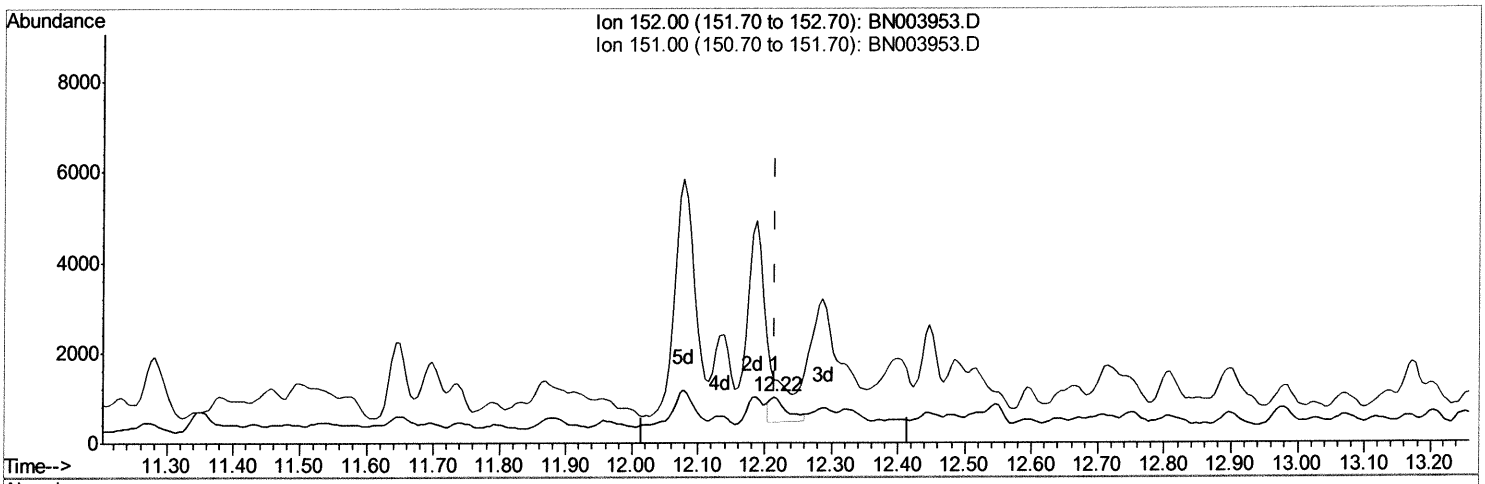
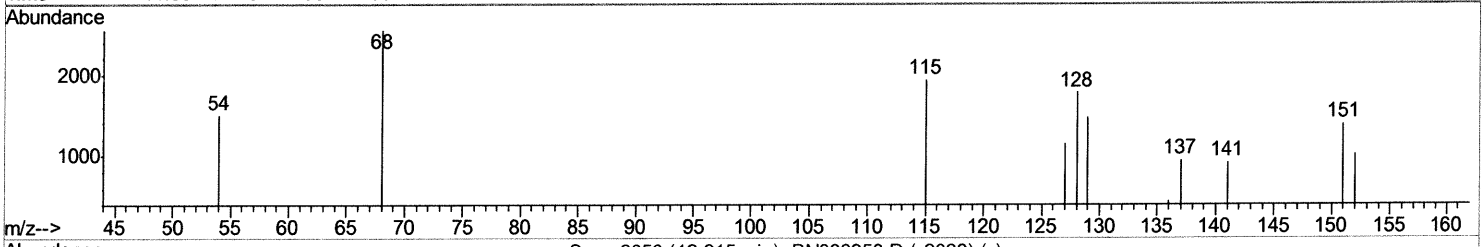
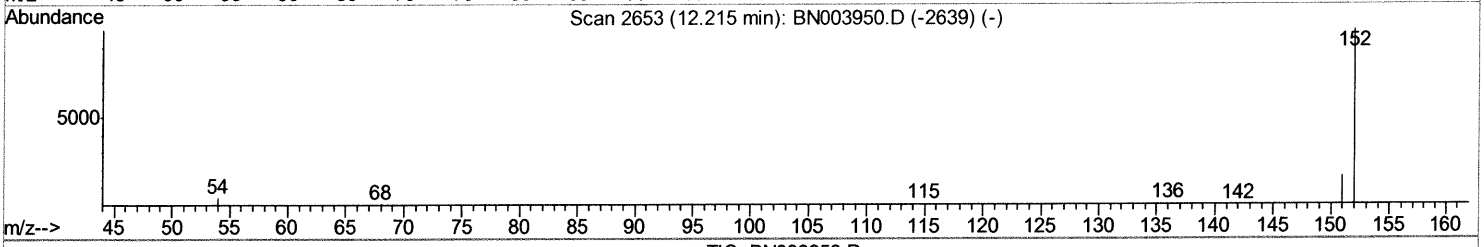
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 15 21:58:36 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
F9Y14DL

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:23:46 PM




TIC: BN003953.D

(4) 2-Methylnaphthalene-d10 (SURR)

12.215min (-0.000) 0.08ng/ul

response 963

| Ion | Exp% | Act% |
|---|---|---|
| 152.00 | 100 | 100 |
| 151.00 | 19.50 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121518\

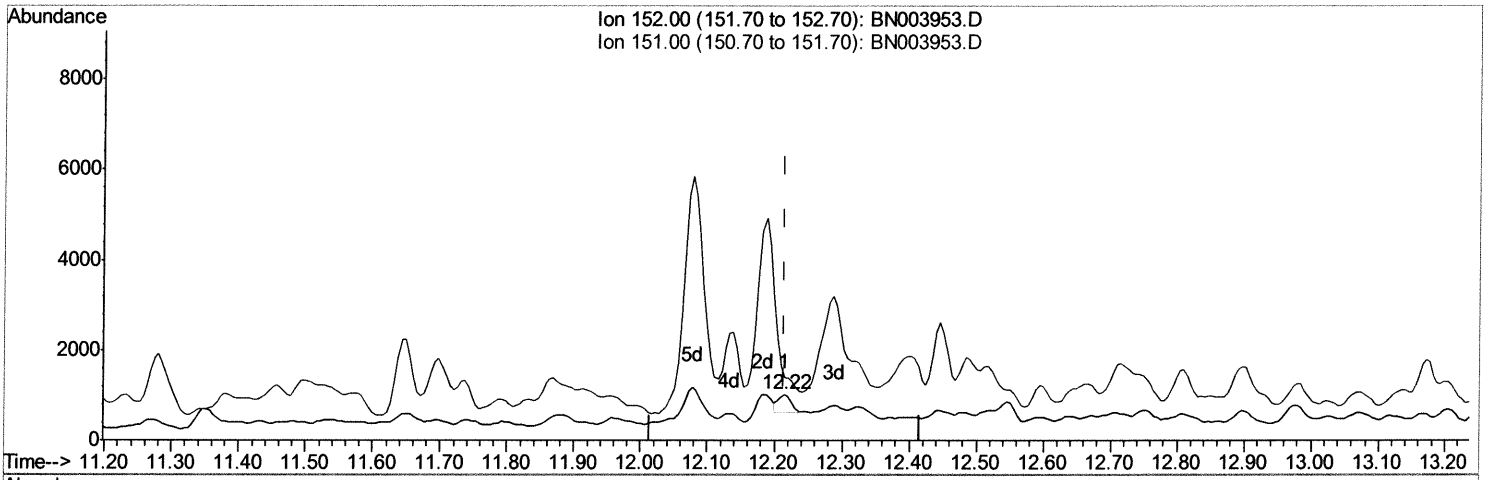
Quantitation Report (Qedit)

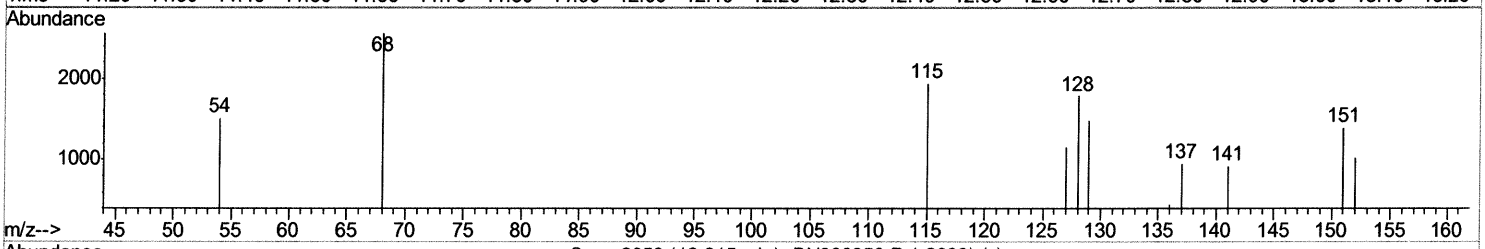
Data File : BN003953.D
Acq On : 15 Dec 2018 11:34
Operator : JU/SJ
Sample : J6171-10DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

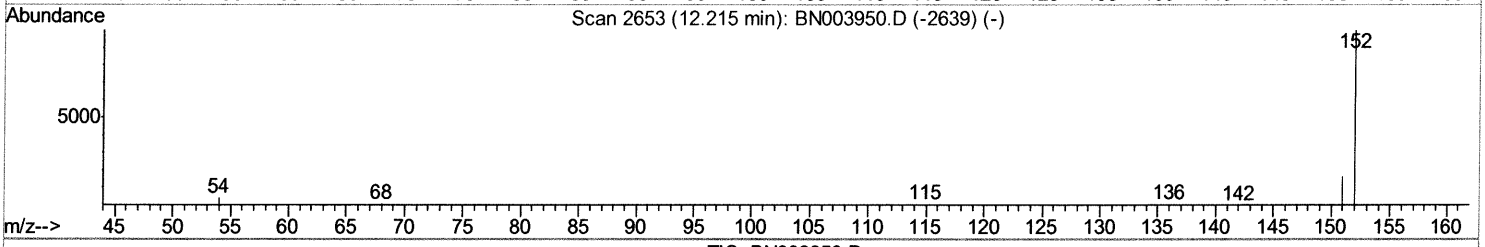
Quant Time: Dec 15 22:01:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 15 21:58:36 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
F9Y14DL

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:23:46 PM




TIC: BN003953.D

(4) 2-Methylnaphthalene-d10 (SURR)

12.215min (-0.000) 0.04ng/ul m SJ 12/17/18

response 540

| Ion | Exp% | Act% |
|---|---|---|
| 152.00 | 100 | 100 |
| 151.00 | 19.50 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121518\

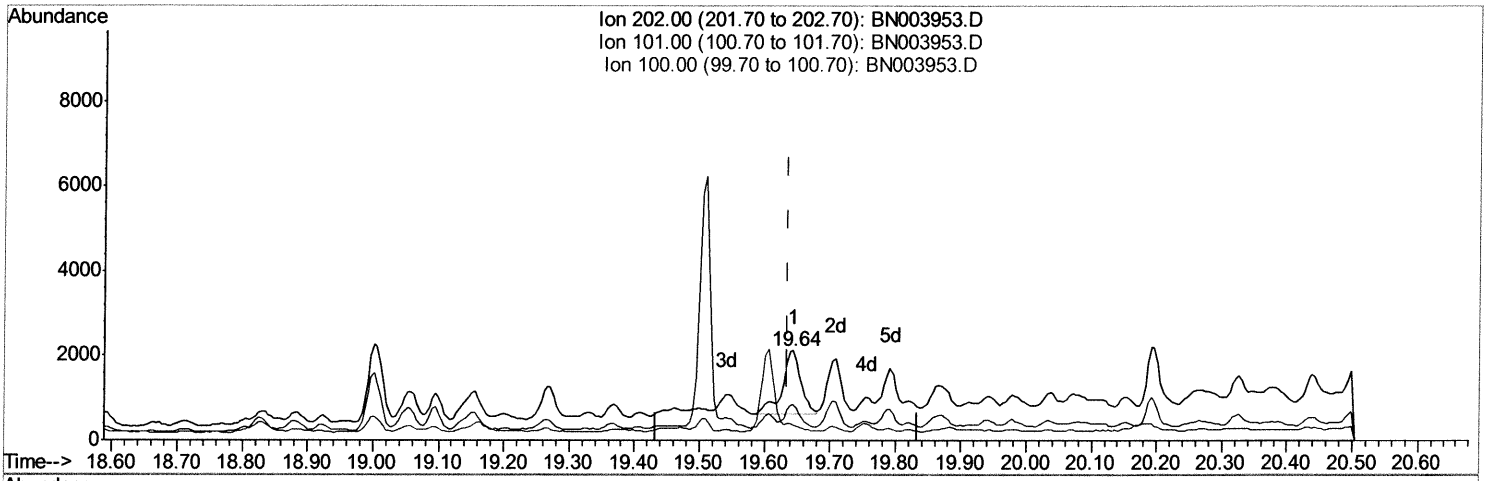
Quantitation Report (Qedit)

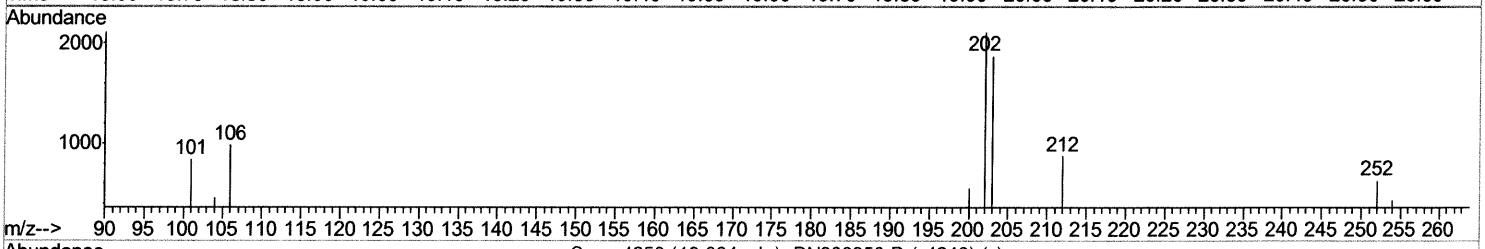
Data File : BN003953.D
Acq On : 15 Dec 2018 11:34
Operator : JU/SJ
Sample : J6171-10DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

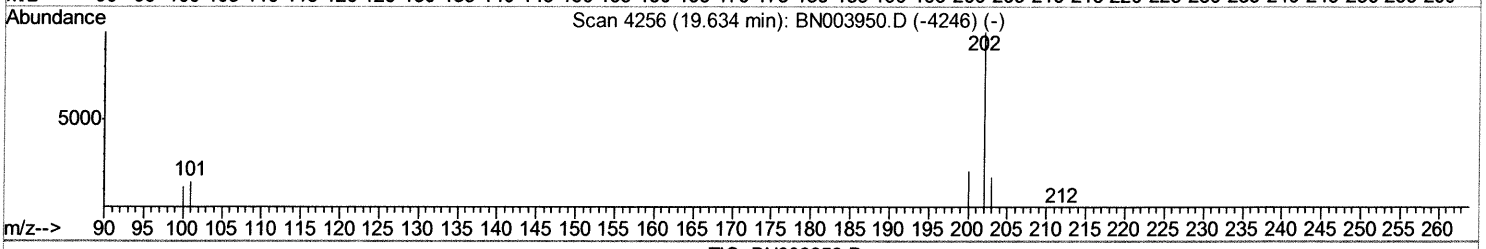
Quant Time: Dec 15 22:01:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 15 21:58:36 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
F9Y14DL

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:23:46 PM




TIC: BN003953.D

(17) Pyrene

19.643min (+0.009) 0.05ng/ul

response 2999

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 12.90 | 39.84# |
| 100.00 | 10.60 | 17.20# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121518\

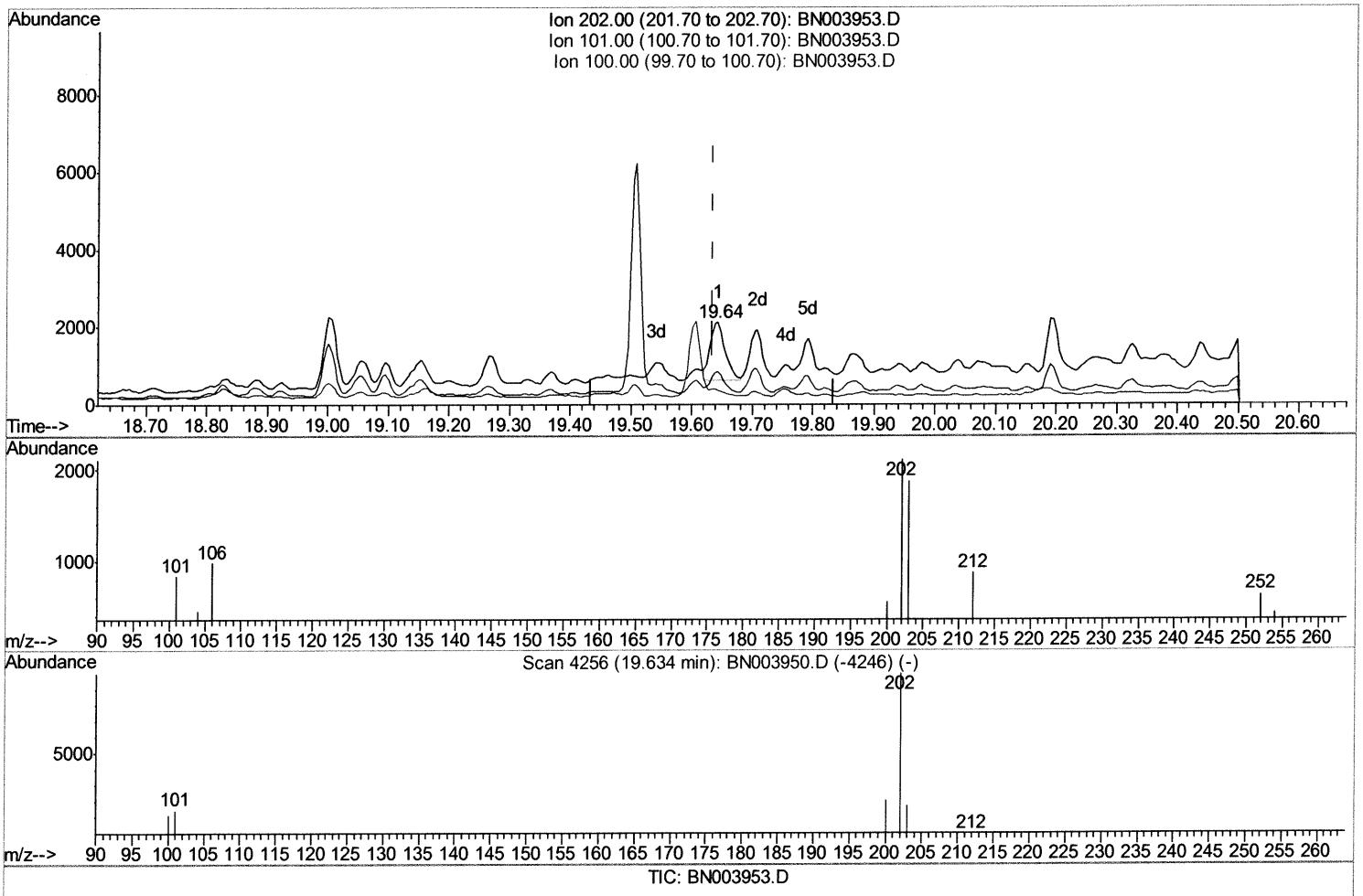
Quantitation Report (Qedit)

Data File : BN003953.D
Acq On : 15 Dec 2018 11:34
Operator : JU/SJ
Sample : J6171-10DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 15 22:01:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 15 21:58:36 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
F9Y14DL

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:23:46 PM




(17) Pyrene

19.643min (+0.009) 0.04ng/ul m SJ 12/17/18

response 2542

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 12.90 | 39.84# |
| 100.00 | 10.60 | 17.20# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121518\

Quantitation Report (Qedit)

Data File : BN003953.D
Acq On : 15 Dec 2018 11:34
Operator : JU/SJ
Sample : J6171-10DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 15 22:01:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
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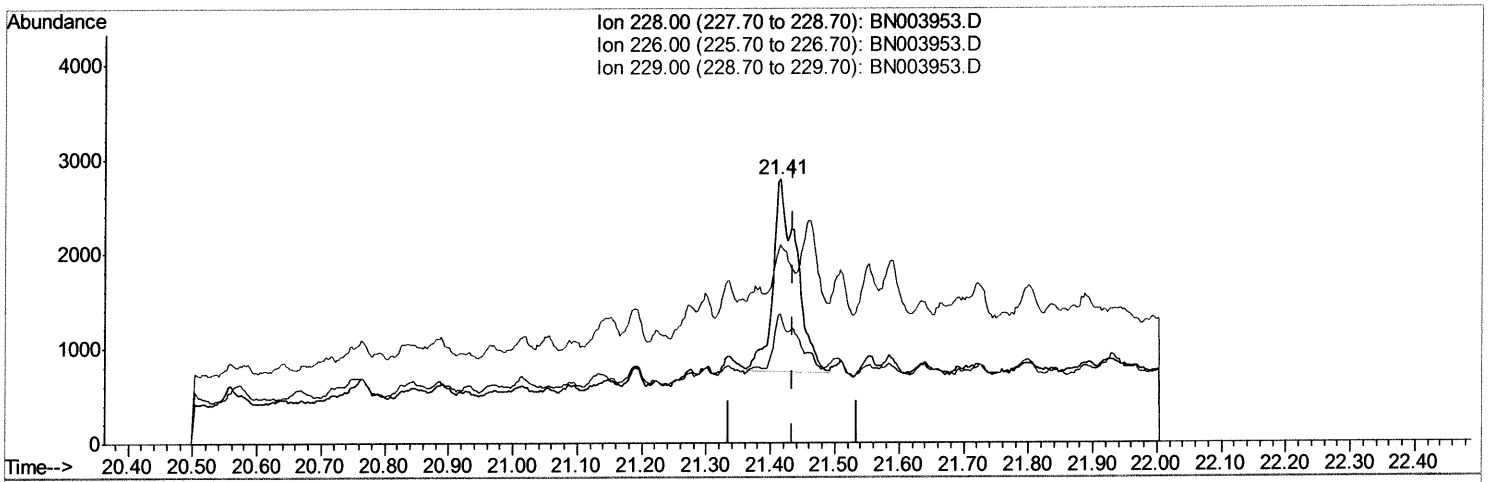
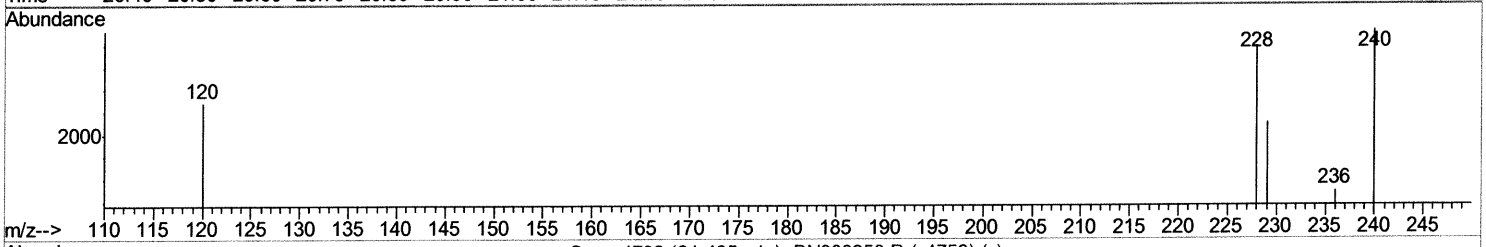
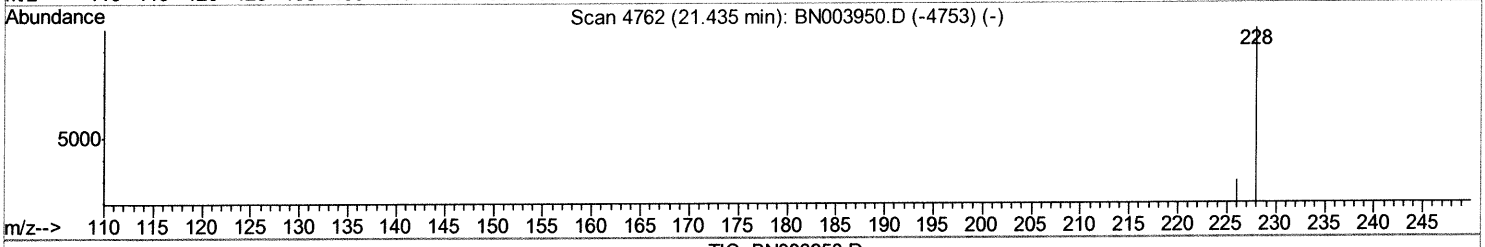
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
F9Y14DL

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:23:46 PM




TIC: BN003953.D

(19) Chrysene

21.414min (-0.021) 0.09ng/ul

response 5238

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 30.00 | 48.85# |
| 229.00 | 19.60 | 75.14# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121518\

Quantitation Report (Qedit)

Data File : BN003953.D
Acq On : 15 Dec 2018 11:34
Operator : JU/SJ
Sample : J6171-10DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 15 22:01:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
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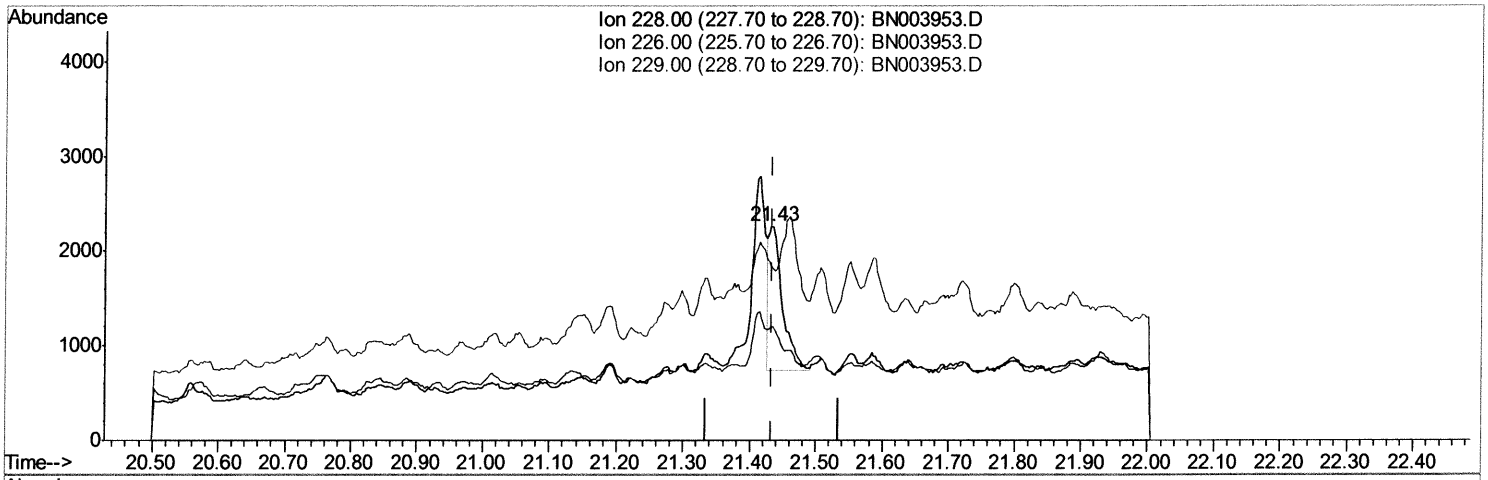
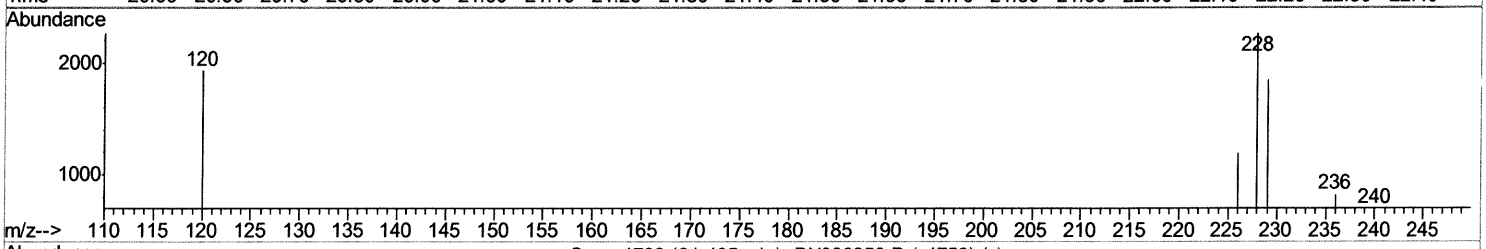
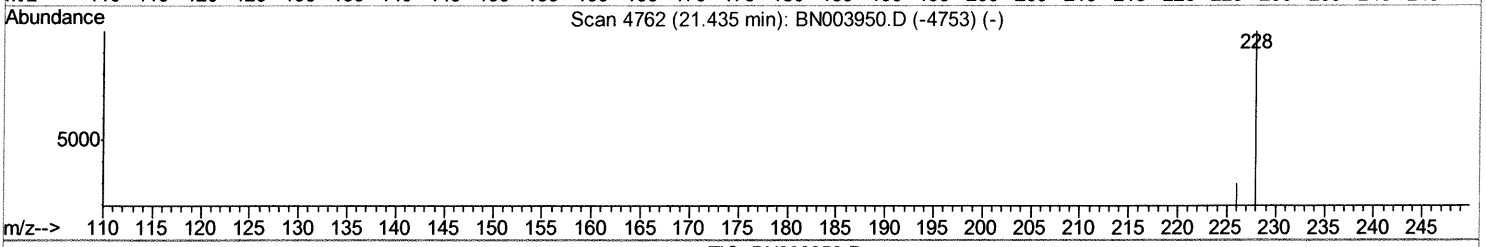
QLast Update : Sat Dec 15 21:58:36 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
F9Y14DL

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:23:46 PM




TIC: BN003953.D

(19) Chrysene

21.432min (-0.003) 0.04ng/ul m SJ 12/17/18

response 2193

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 30.00 | 52.72# |
| 229.00 | 19.60 | 81.79# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121518\

Quantitation Report (QT Reviewed)

Data File : BN003953.D
Acq On : 15 Dec 2018 11:34
Operator : JU/SJ
Sample : J6171-10DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 15 22:25:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
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Response via : Initial Calibration

**Instrument :** BNA_N
**ClientSampleId :** F9Y14DL

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:23:46 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.84 | 152 | 1679 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.63 | 136 | 8078 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.47 | 164 | 5662 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.22 | 188 | 12226 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.40 | 240 | 15998 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.71 | 264 | 15423 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.22 | 152 | 540m | 0.04 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.24 | 212 | 2294 | 0.06 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.68 | 128 | 40276 | 1.775 | ng/ul# | 90 |
| 5) 2-Methylnaphthalene | 12.29 | 142 | 130419 | 8.231 | ng/ul | 98 |
| 7) Acenaphthylene | 14.19 | 152 | 2527 | 0.099 | ng/ul# | 1 |
| 8) Acenaphthene | 14.55 | 153 | 3127 | 0.140 | ng/ul# | 44 |
| 9) Fluorene | 15.52 | 166 | 5877 | 0.226 | ng/ul# | 81 |
| 12) Phenanthrene | 17.26 | 178 | 23068 | 0.575 | ng/ul# | 92 |
| 15) Fluoranthene | 19.27 | 202 | 1257 | 0.027 | ng/ul# | 39 |
| 17) Pyrene | 19.64 | 202 | 2542m | 0.044 | ng/ul | |
| 19) Chrysene | 21.43 | 228 | 2193m | 0.038 | ng/ul | |

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

SJ
12/17/18