

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (QT Reviewed)

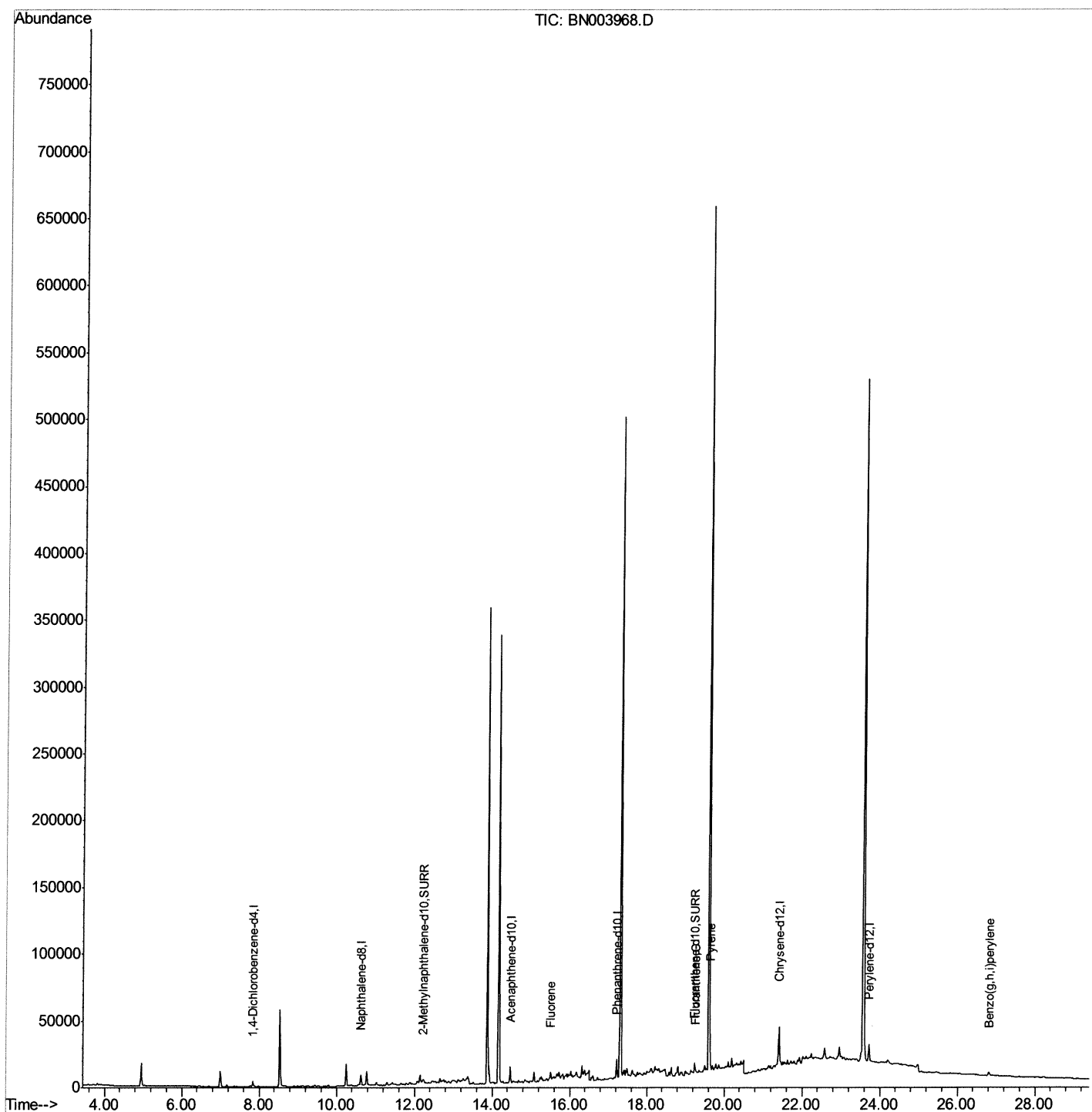
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:21:00 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 23:04:58 2018  
Response via : Initial Calibration



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

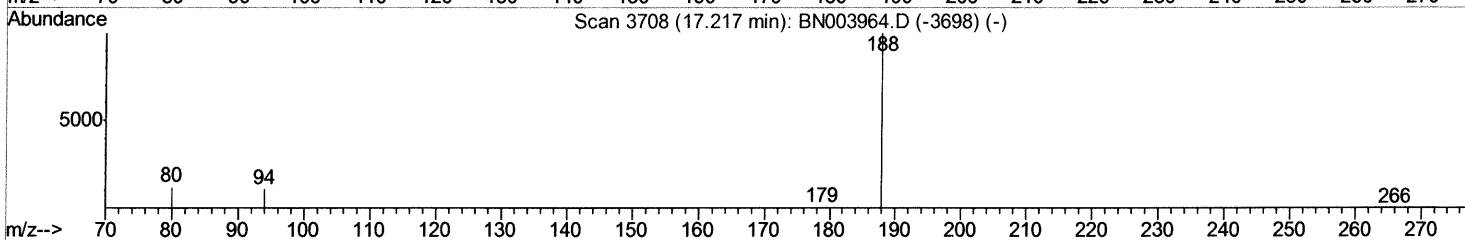
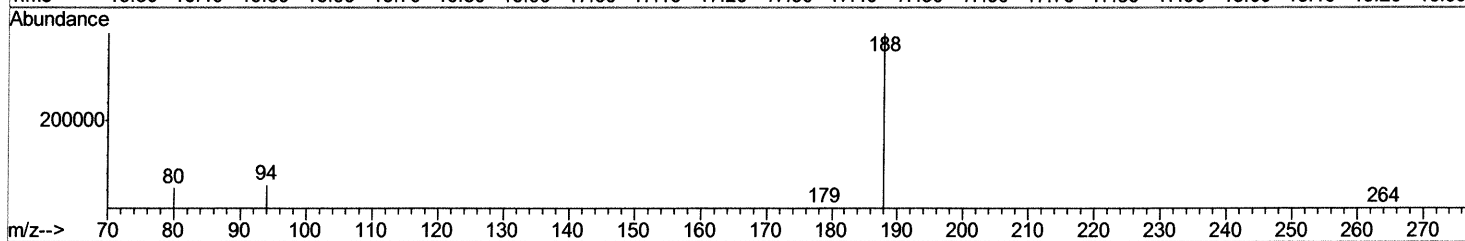
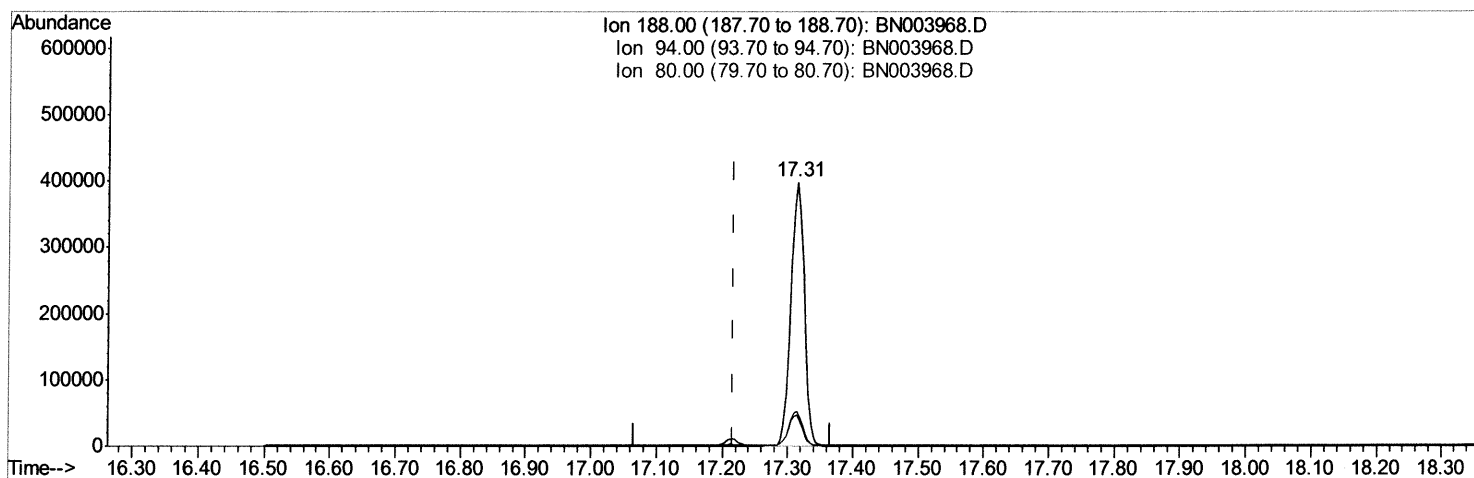
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:07:51 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 23:04:58 2018  
Response via : Initial Calibration



TIC: BN003968.D

(10) Phenanthrene-d10 (I)

17.314min (+0.097) 0.40ng/ul

response 565018

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 10.40 | 13.07# |
| 80.00  | 11.60 | 11.66  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

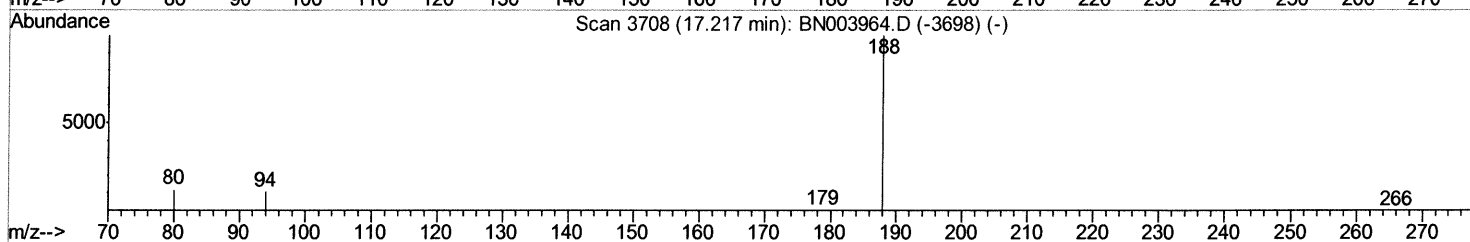
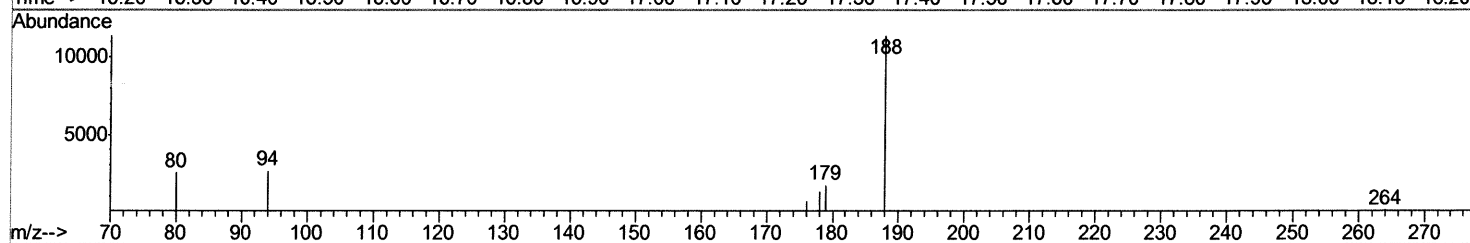
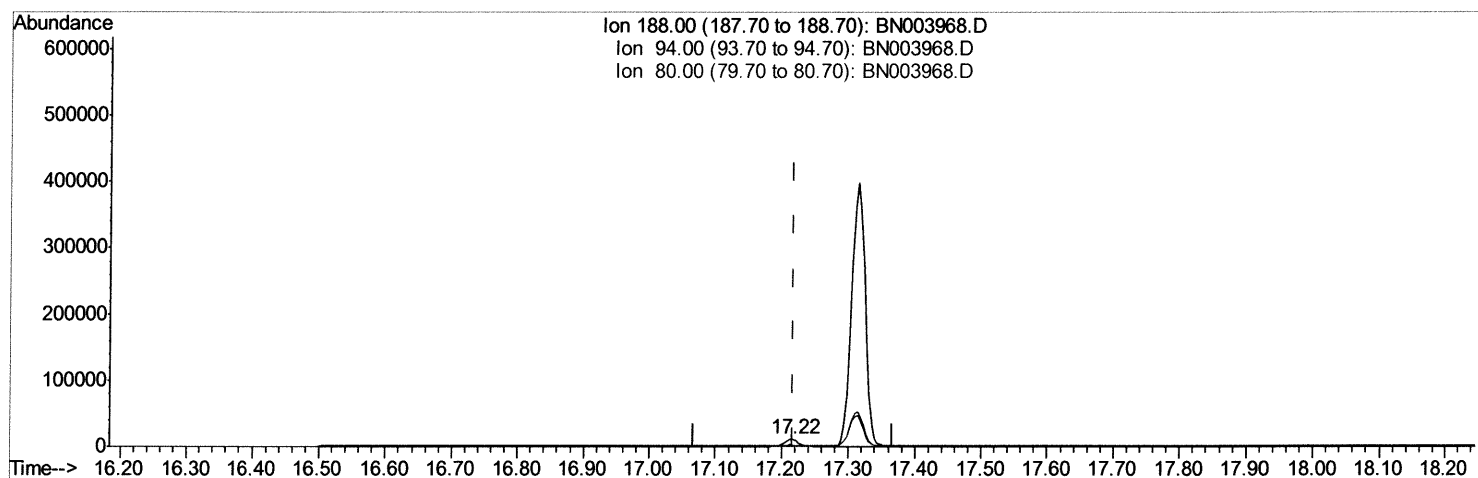
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:07:51 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 23:04:58 2018  
Response via : Initial Calibration



TIC: BN003968.D

(10) Phenanthrene-d10 (I)

17.217min (+0.000) 0.40ng/ul m > SJ 12/17/18

response 16523

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 10.40 | 23.30# |
| 80.00  | 11.60 | 22.21# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

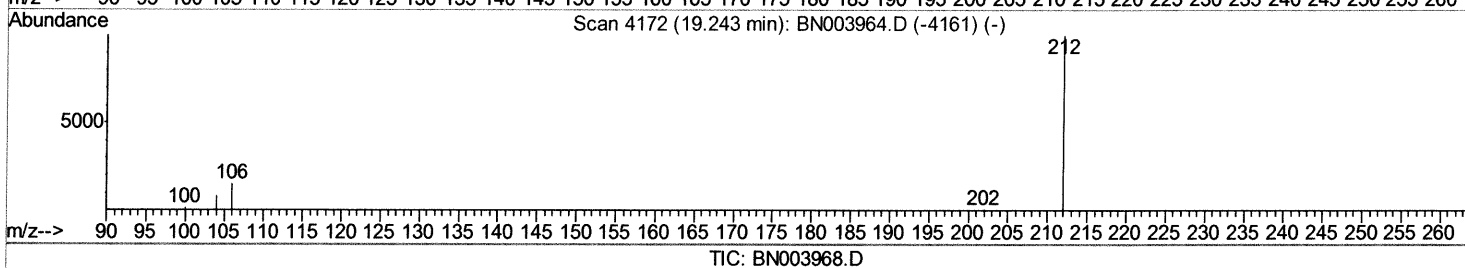
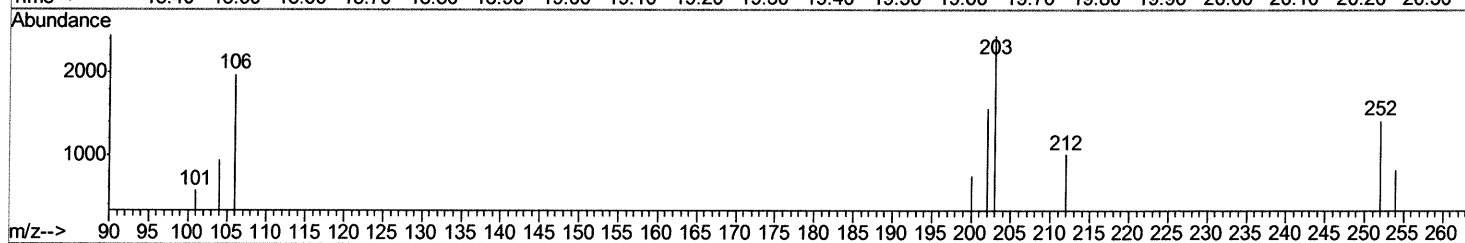
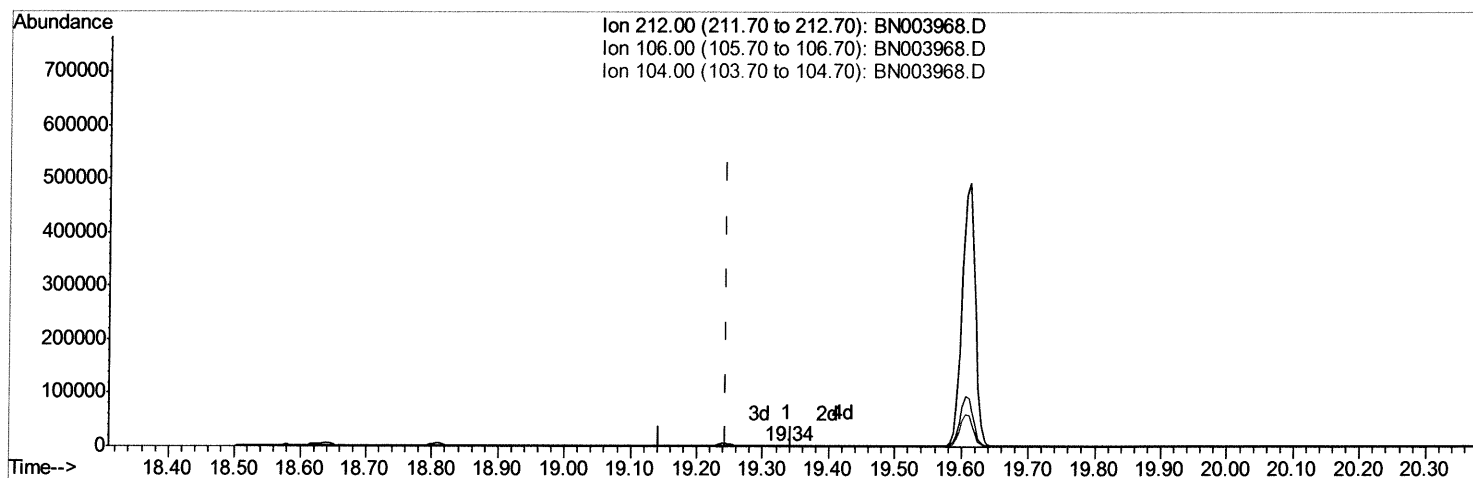
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:16:51 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 23:04:58 2018  
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.336min (+0.093) 0.01ng/ul

response 573

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 212.00 | 100   | 100    |
| 106.00 | 14.20 | 29.84# |
| 104.00 | 8.00  | 53.05# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

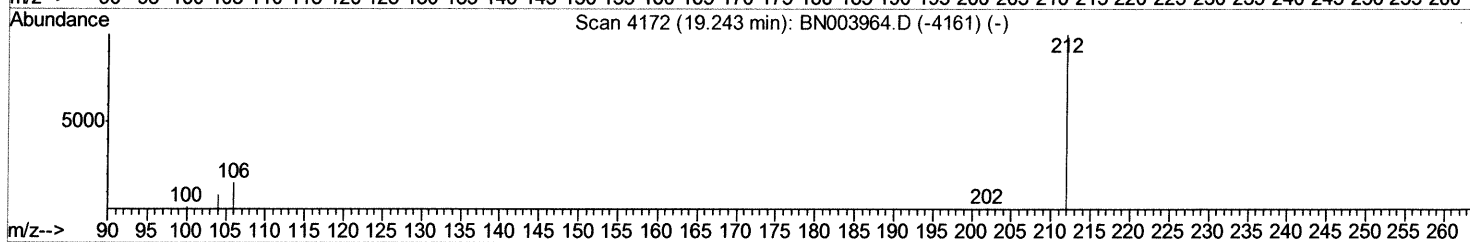
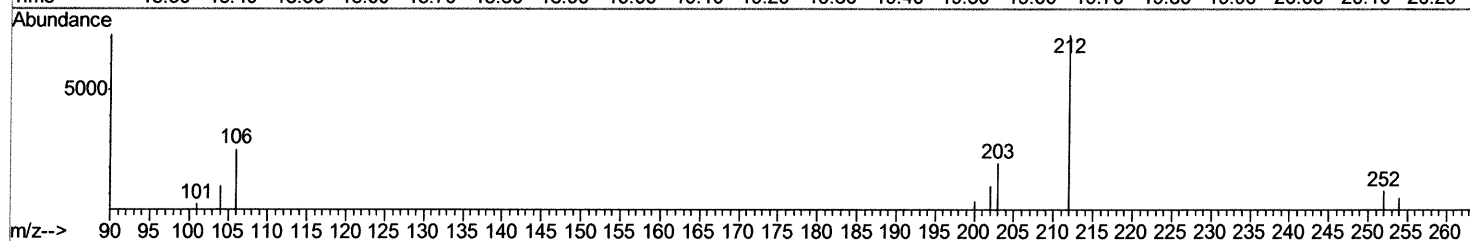
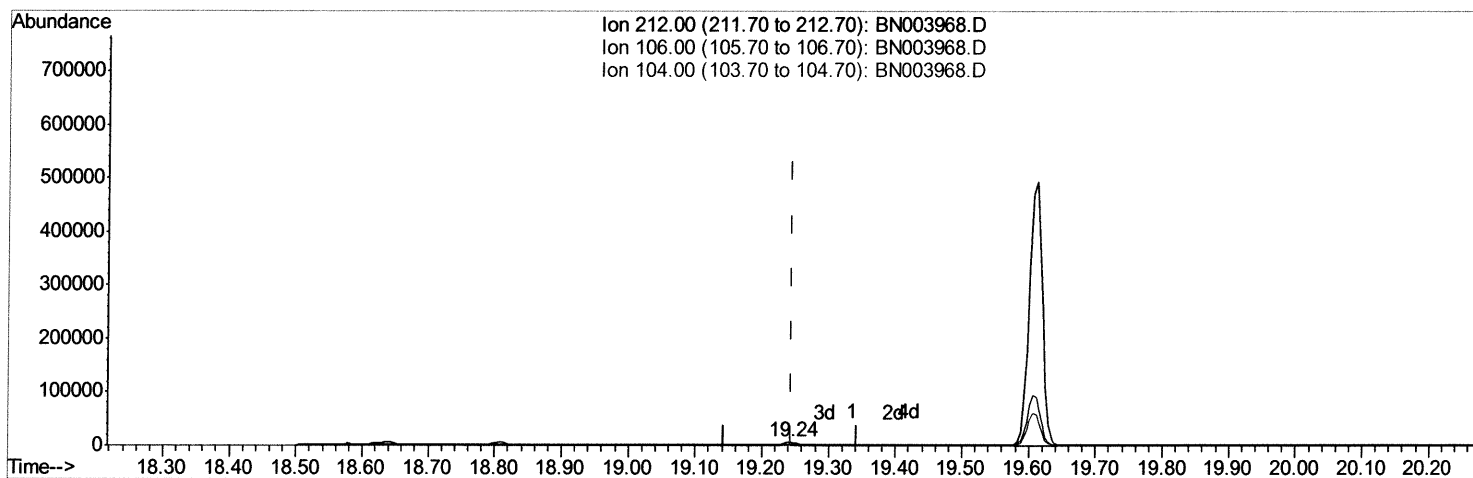
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:16:51 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 23:04:58 2018  
Response via : Initial Calibration



TIC: BN003968.D

(14) Fluoranthene-d10 (SURR)

19.244min (+0.000) 0.19ng/ul m

response 9397

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 14.20 | 1.82# |
| 104.00 | 8.00  | 3.24# |
| 0.00   | 0.00  | 0.00  |

SJ 12/17/18

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

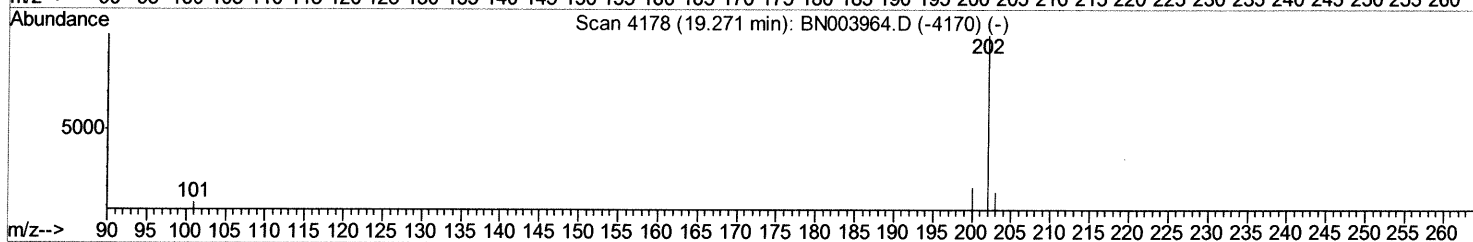
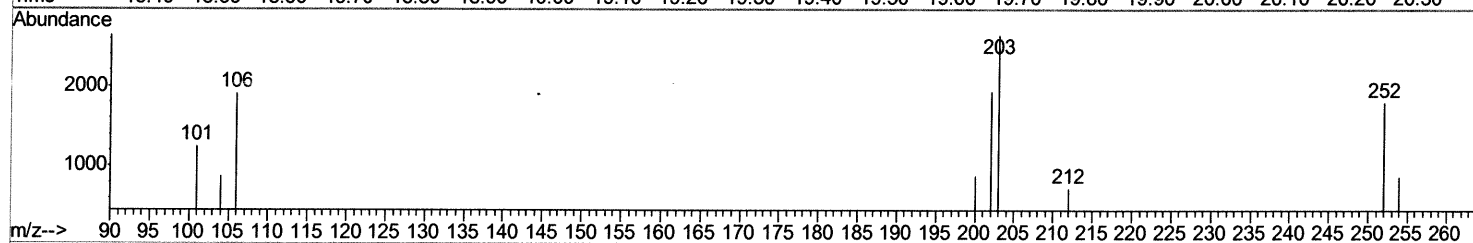
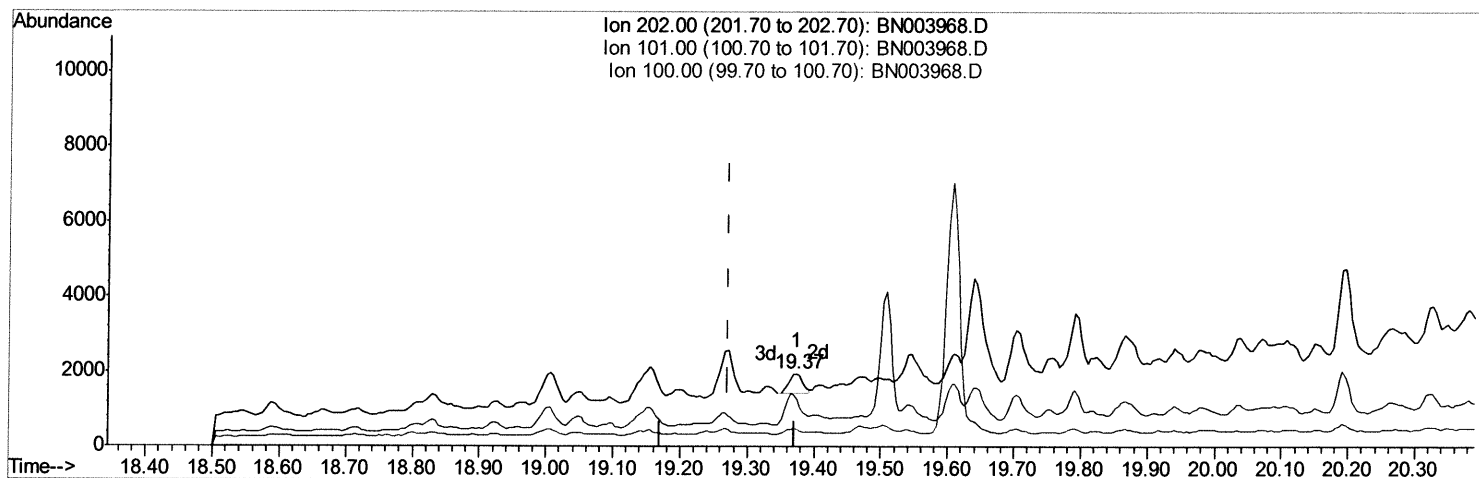
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:17:18 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 23:04:58 2018  
Response via : Initial Calibration



TIC: BN003968.D

(15) Fluoranthene (C)

19.374min (+0.102) 0.01ng/ul

response 787

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 10.70 | 64.55# |
| 100.00 | 8.10  | 23.20  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

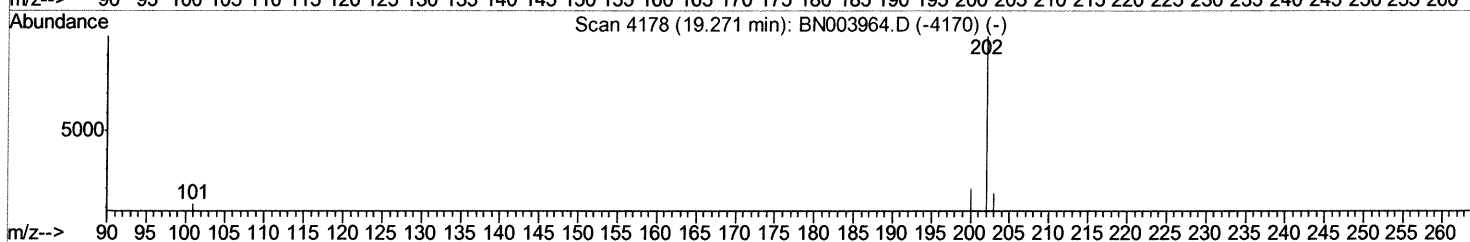
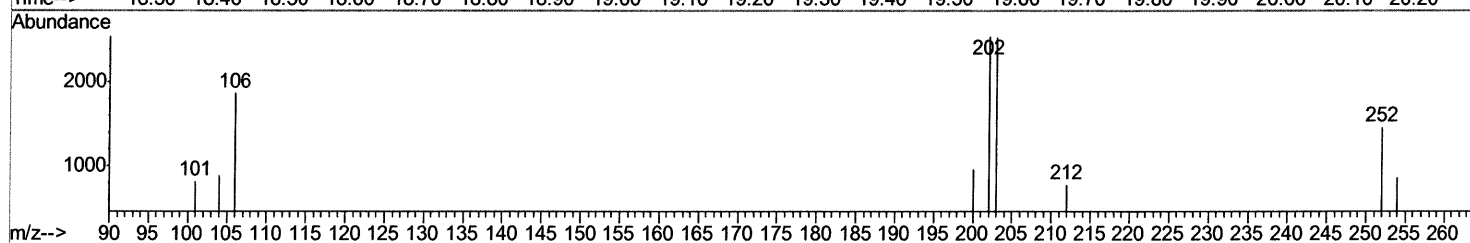
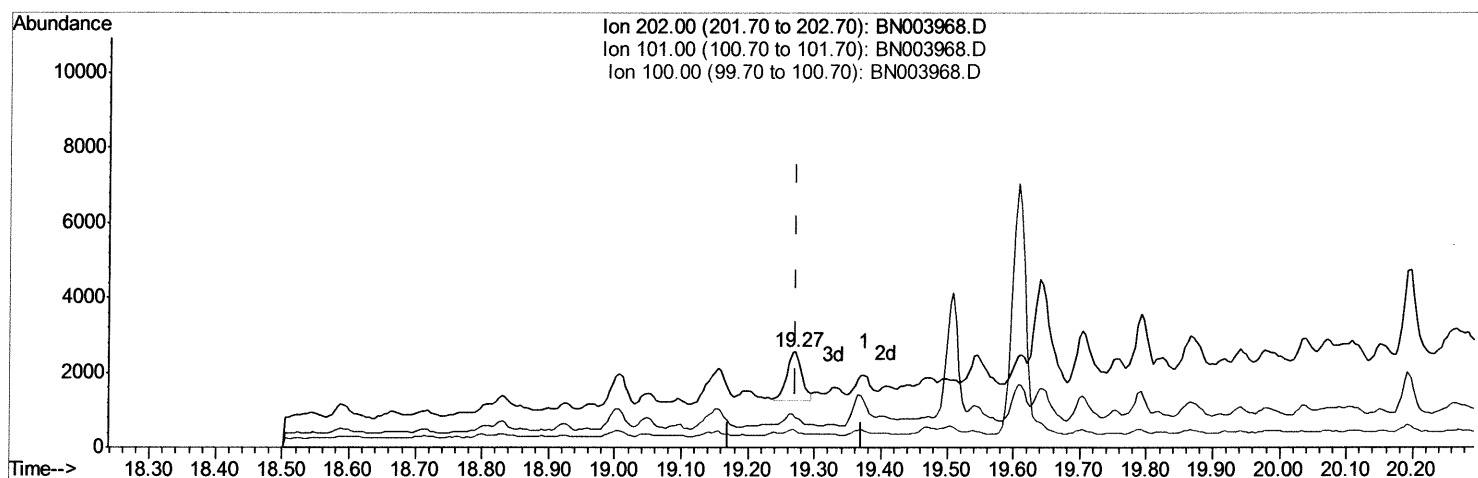
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:17:18 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 23:04:58 2018  
Response via : Initial Calibration



TIC: BN003968.D

(15) Fluoranthene (C)

19.271min (+0.000) 0.03ng/ul m

50 12/17/18

response 2006

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 10.70 | 32.03# |
| 100.00 | 8.10  | 17.95  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

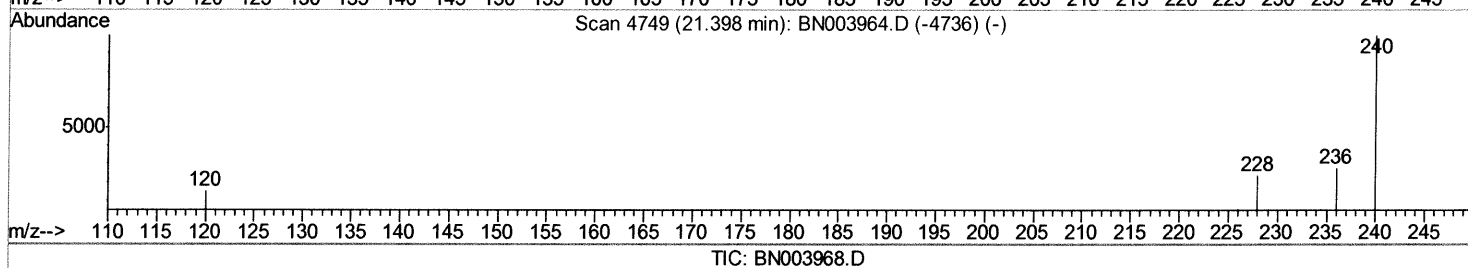
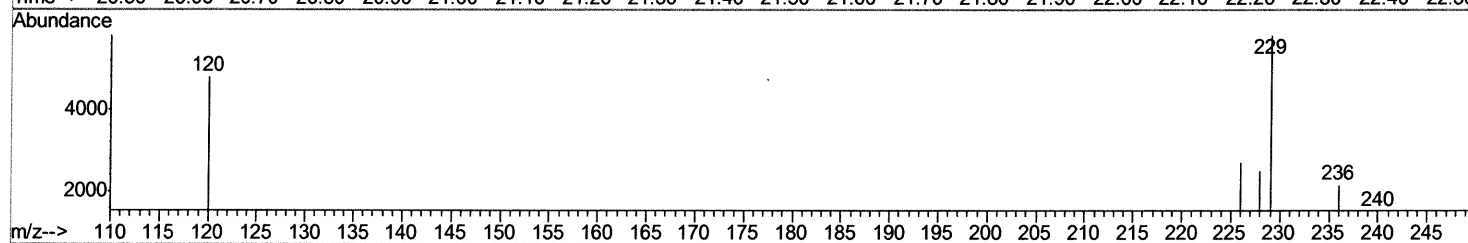
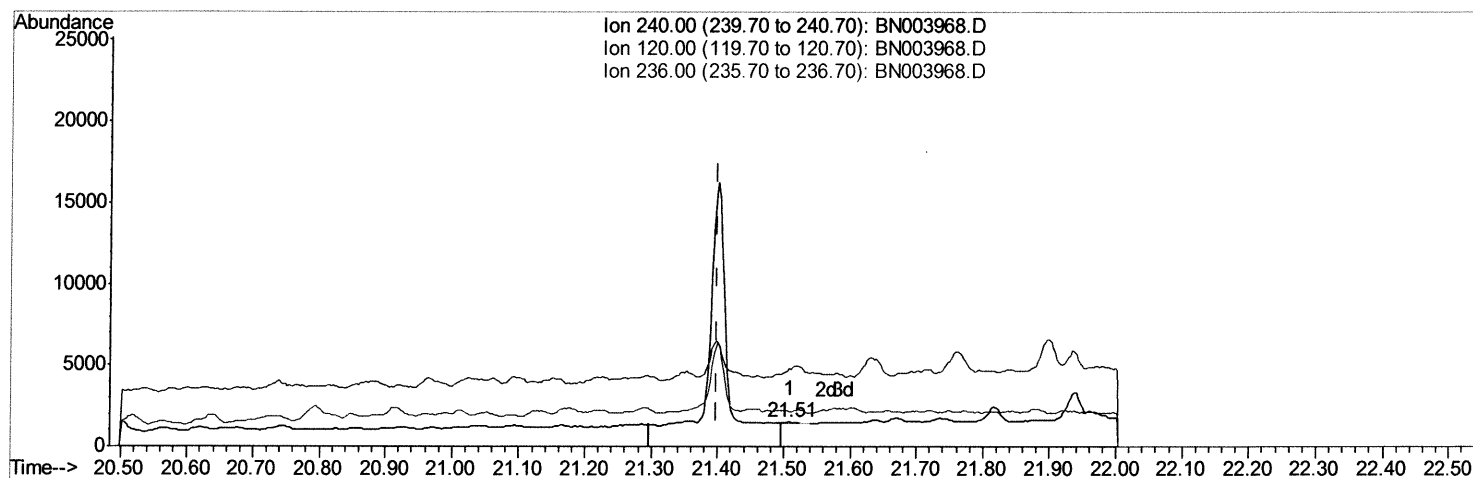
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:17:18 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 23:04:58 2018  
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.508min (+0.109) 0.40ng/ul

response 251

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 14.00 | 311.60# |
| 236.00 | 27.60 | 140.46# |
| 0.00   | 0.00  | 0.00    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

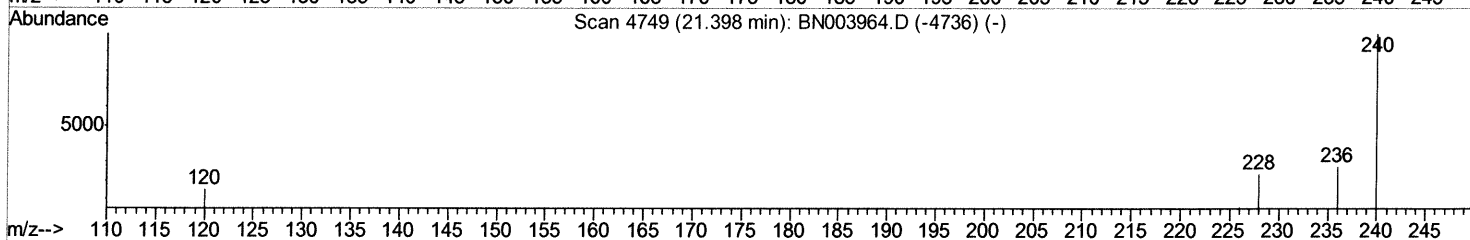
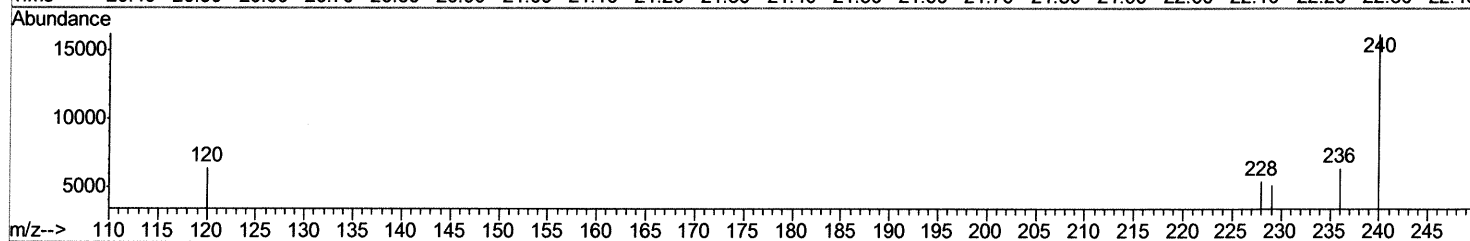
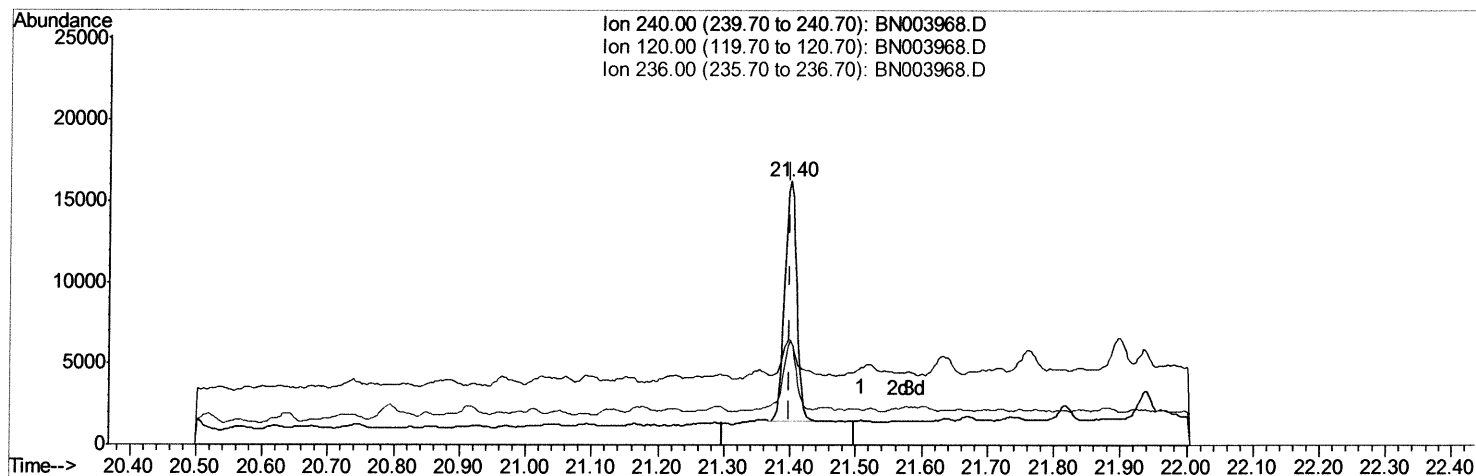
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:17:18 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 23:04:58 2018  
Response via : Initial Calibration



TIC: BN003968.D

(16) Chrysene-d12 (I)

21.400min (+0.001) 0.40ng/ul m

response 18591

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 14.00 | 39.57# |
| 236.00 | 27.60 | 39.64# |
| 0.00   | 0.00  | 0.00   |

50 12/17/18

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

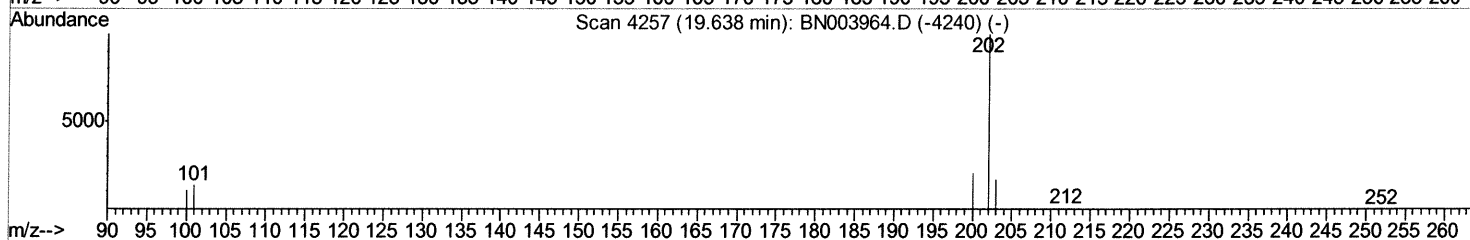
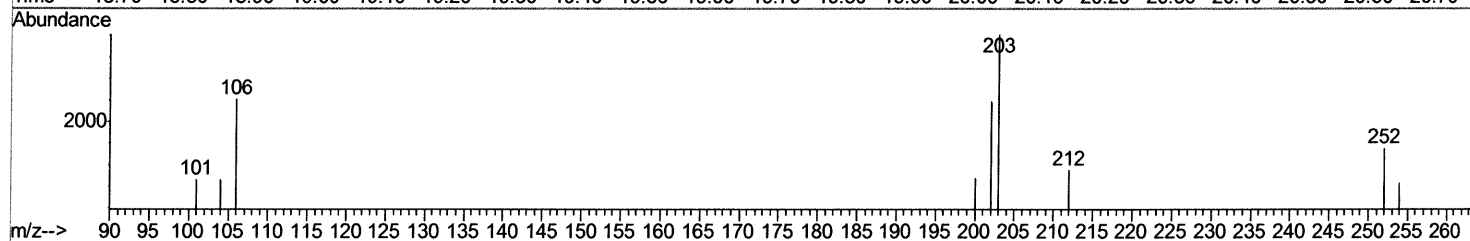
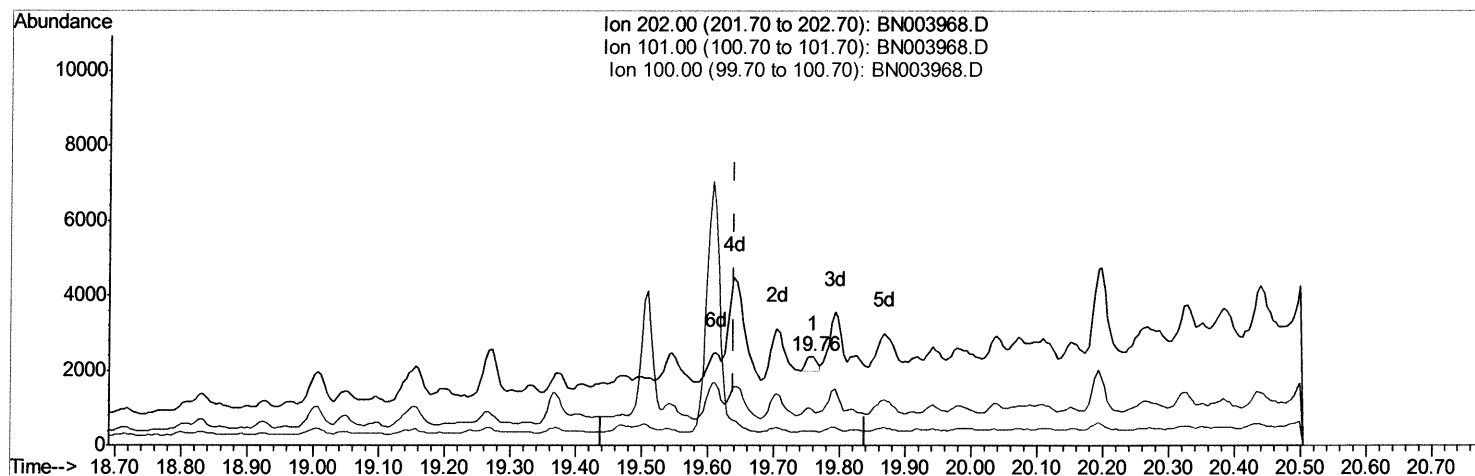
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:18:22 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 23:04:58 2018  
Response via : Initial Calibration



TIC: BN003968.D

(17) Pyrene

19.759min (+0.121) 0.01ng/ul

response 483

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 12.90 | 39.34# |
| 100.00 | 10.60 | 16.04# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

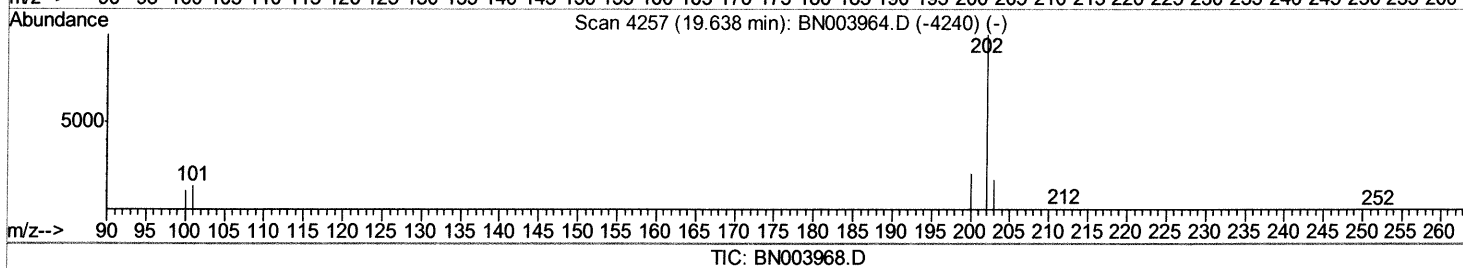
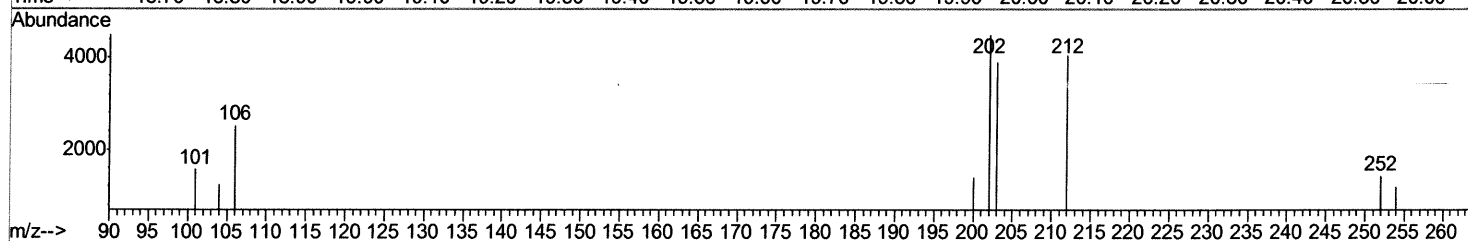
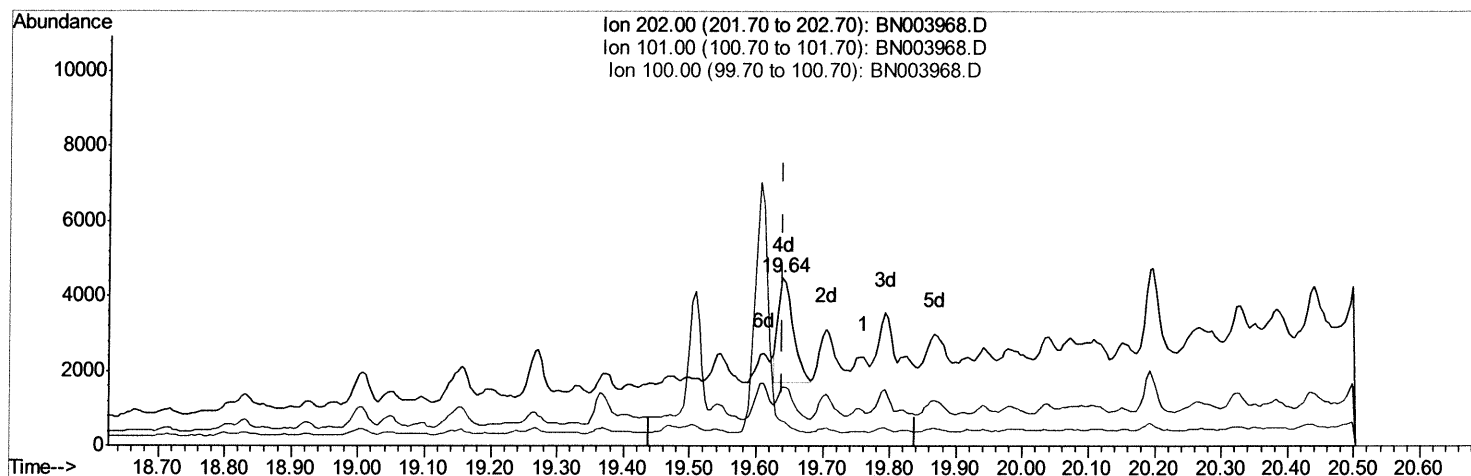
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:18:22 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 23:04:58 2018  
Response via : Initial Calibration



(17) Pyrene

19.639min (+0.000) 0.07ng/ul m

SD 12/17/18

response 4419

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 12.90 | 34.95# |
| 100.00 | 10.60 | 15.27# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

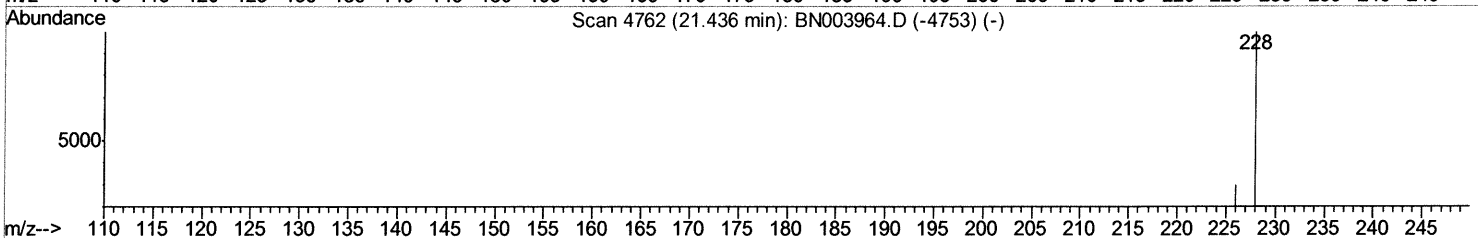
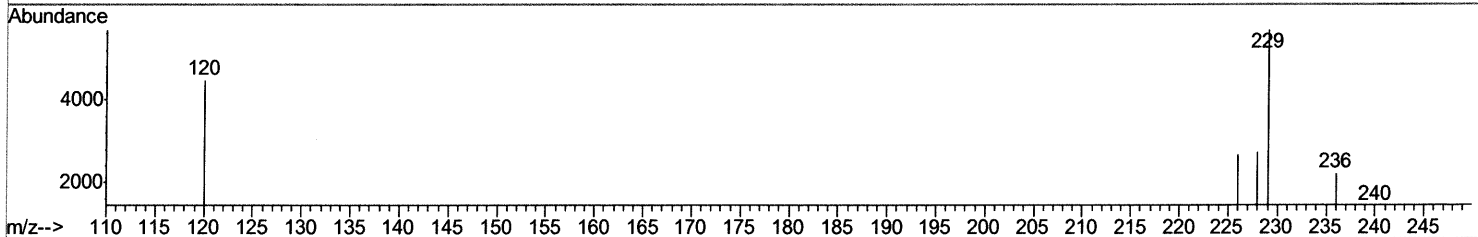
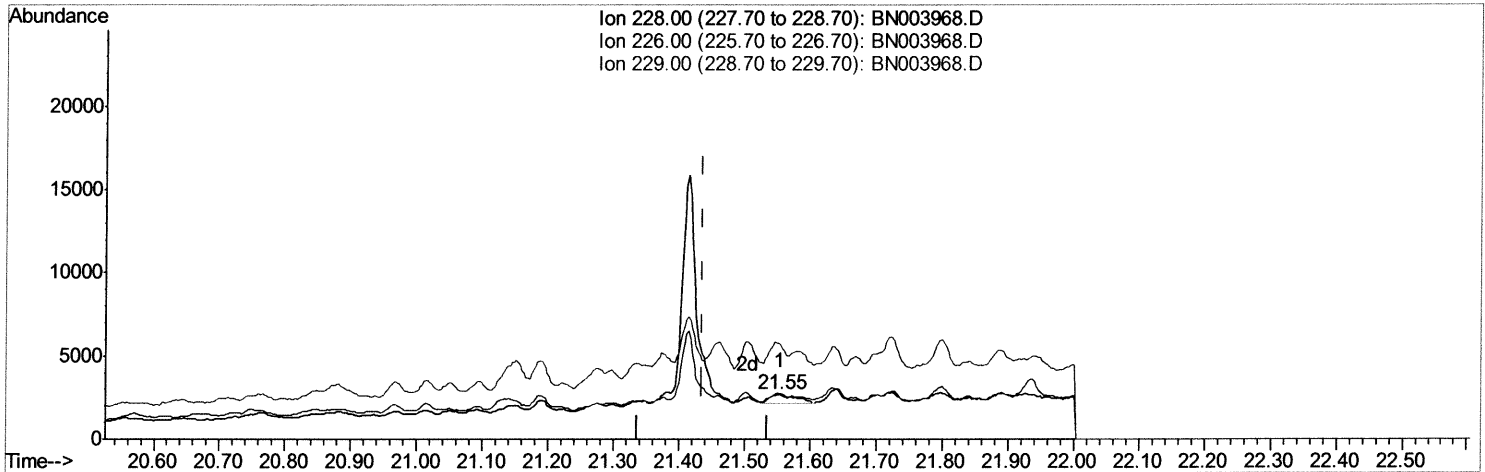
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:18:22 2018  
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Response via : Initial Calibration



TIC: BN003968.D

(19) Chrysene

21.554min (+0.118) 0.02ng/ul

response 1495

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 228.00 | 100   | 100     |
| 226.00 | 30.00 | 97.70#  |
| 229.00 | 19.60 | 207.67# |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

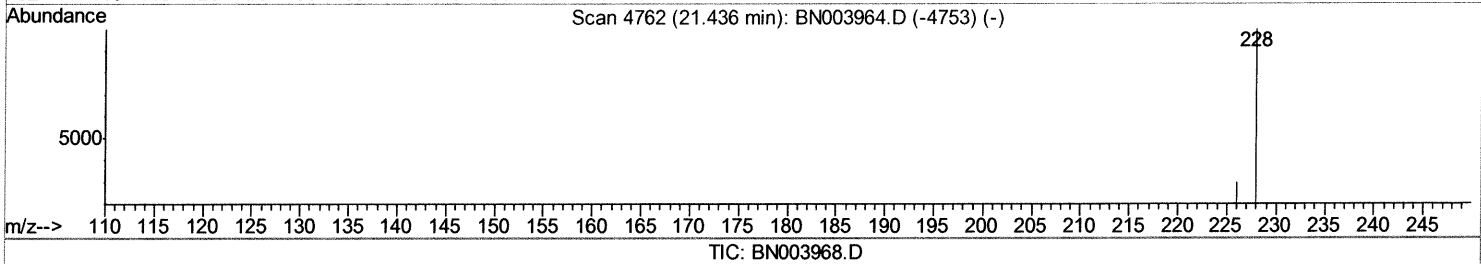
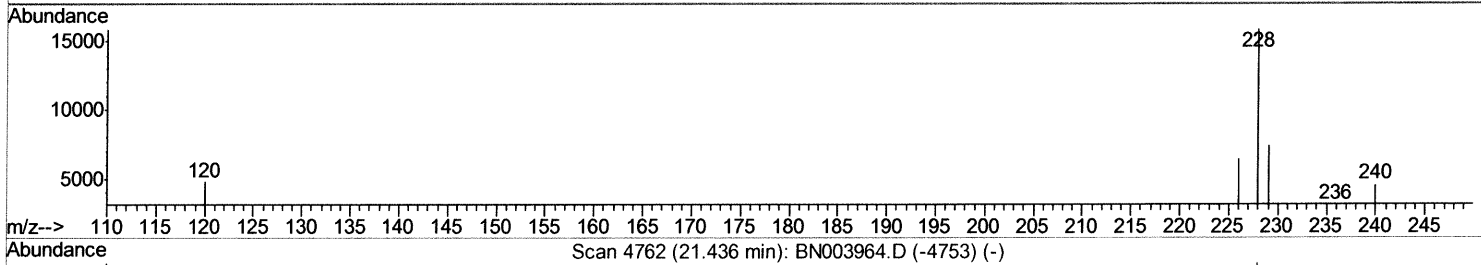
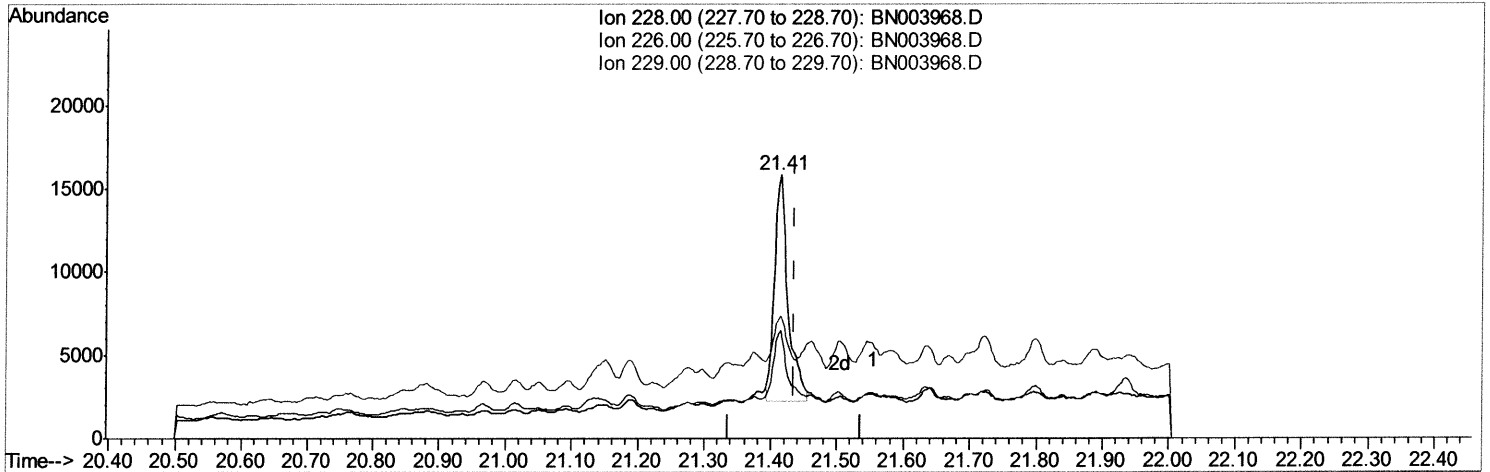
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
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F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:18:22 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 23:04:58 2018  
Response via : Initial Calibration



(19) Chrysene

21.414min (-0.022) 0.29ng/ul m

SD 12/17/18

response 19560

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 30.00 | 40.71# |
| 229.00 | 19.60 | 46.53# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

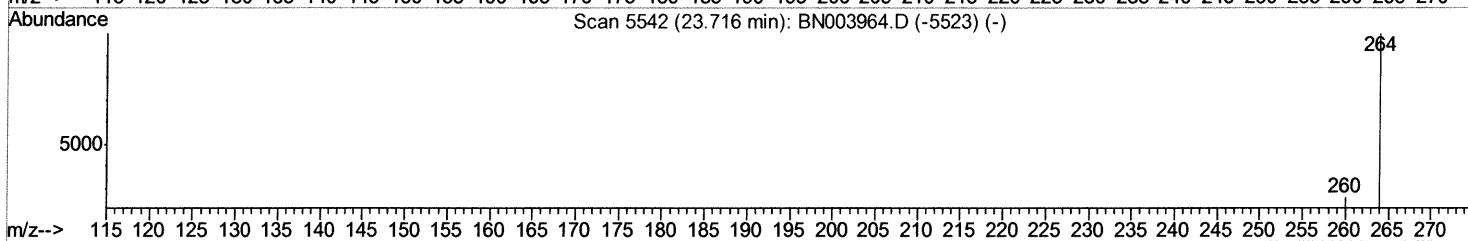
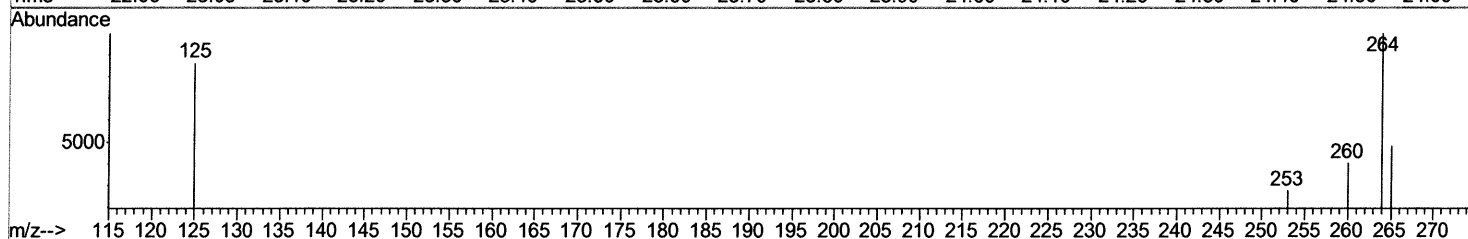
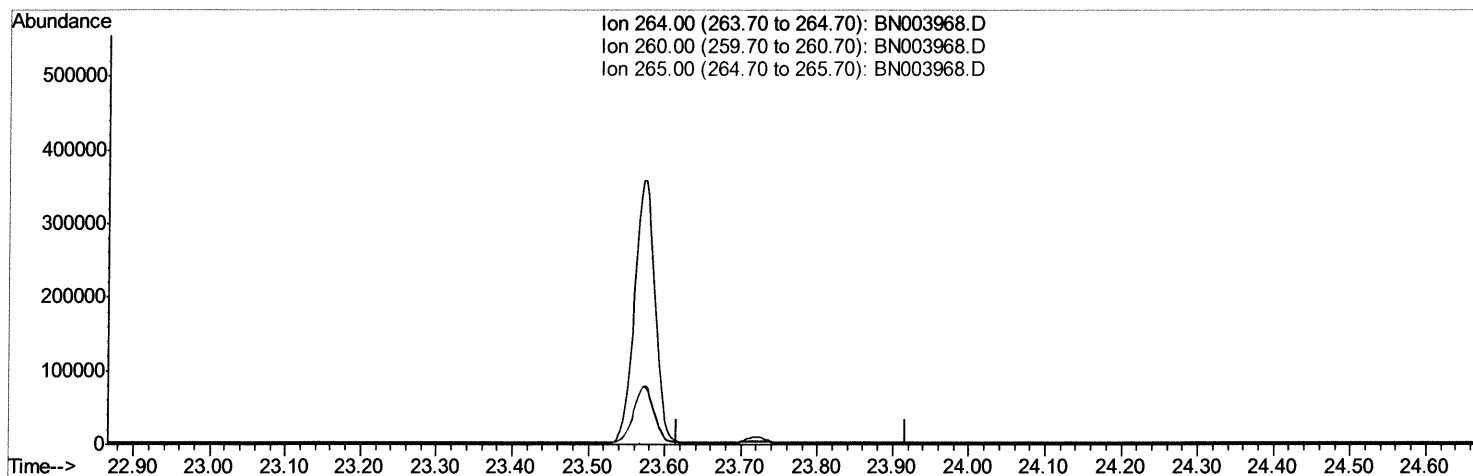
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:18:22 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 23:04:58 2018  
Response via : Initial Calibration



TIC: BN003968.D

(20) Perylene-d12 (I)

23.716min (-23.716) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 0.00  |
| 260.00 | 26.20 | 0.00# |
| 265.00 | 33.50 | 0.00# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (Qedit)

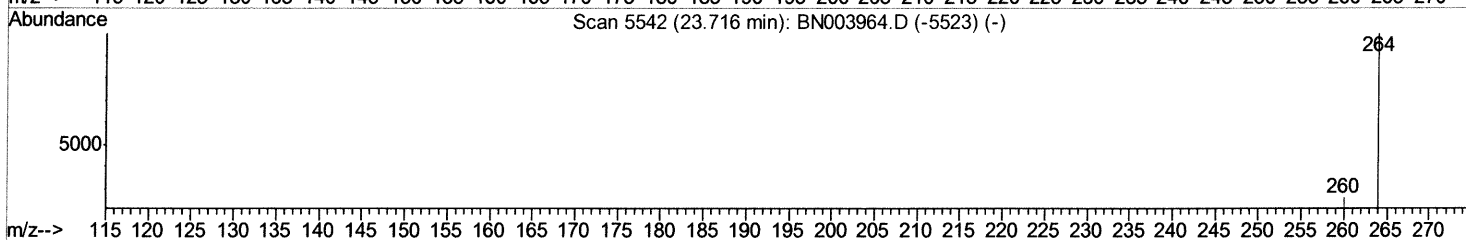
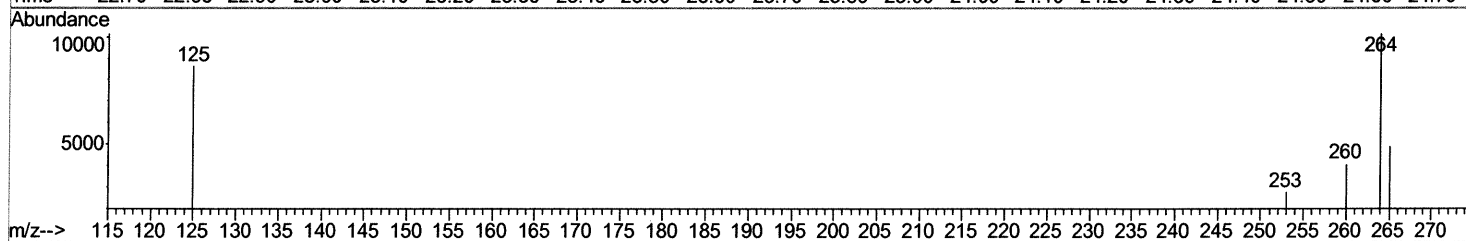
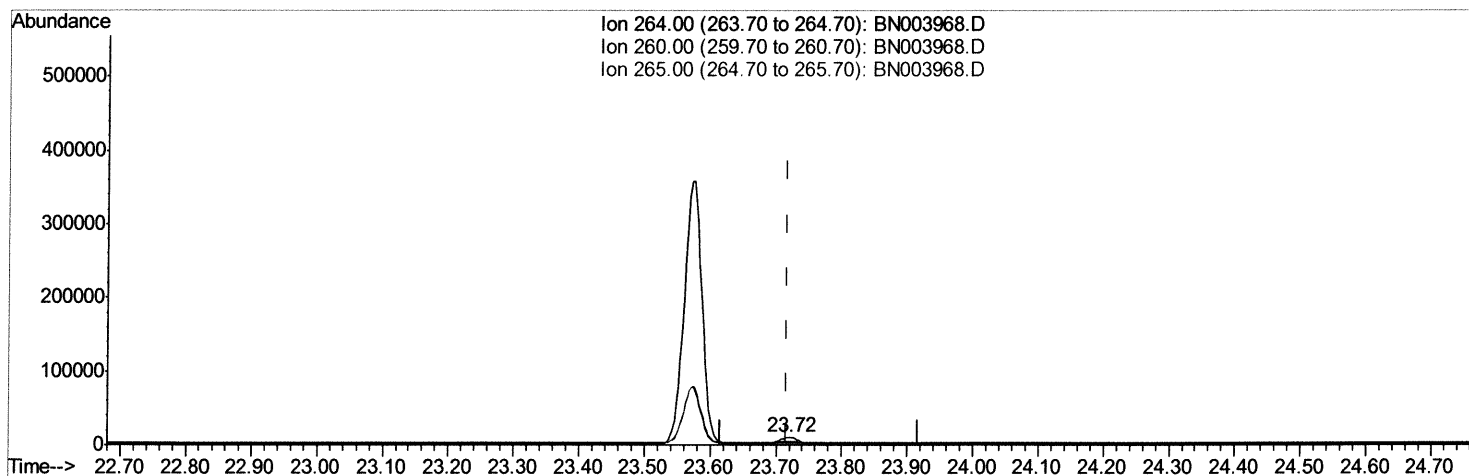
Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:18:22 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 23:04:58 2018  
Response via : Initial Calibration



TIC: BN003968.D

(20) Perylene-d12 (I)

23.720min (+0.004) 0.40ng/ul m

SD 12/17/18

response 17077

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 26.20 | 40.17# |
| 265.00 | 33.50 | 48.17# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
Quantitation Report (QT Reviewed)

Data File : BN003968.D  
Acq On : 15 Dec 2018 20:59  
Operator : JU/SJ  
Sample : J6171-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y07

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:23:58 PM

Quant Time: Dec 15 23:21:00 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 23:04:58 2018  
Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.84  | 152  | 2045     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.63 | 136  | 9923     | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.47 | 164  | 6596     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.22 | 188  | 16523m   | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.40 | 240  | 18591m   | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.72 | 264  | 17077m   | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152  | 3177     | 0.21  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.24 | 212  | 9397m    | 0.19  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 9) Fluorene                 | 15.52 | 166  | 2861     | 0.094 | ng/ul# | 72       |
| 15) Fluoranthene            | 19.27 | 202  | 2006m    | 0.031 | ng/ul  |          |
| 17) Pyrene                  | 19.64 | 202  | 4419m    | 0.066 | ng/ul  |          |
| 19) Chrysene                | 21.41 | 228  | 19560m   | 0.291 | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.81 | 276  | 5215     | 0.086 | ng/ul# | 14       |

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

SD

12/17/18