

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

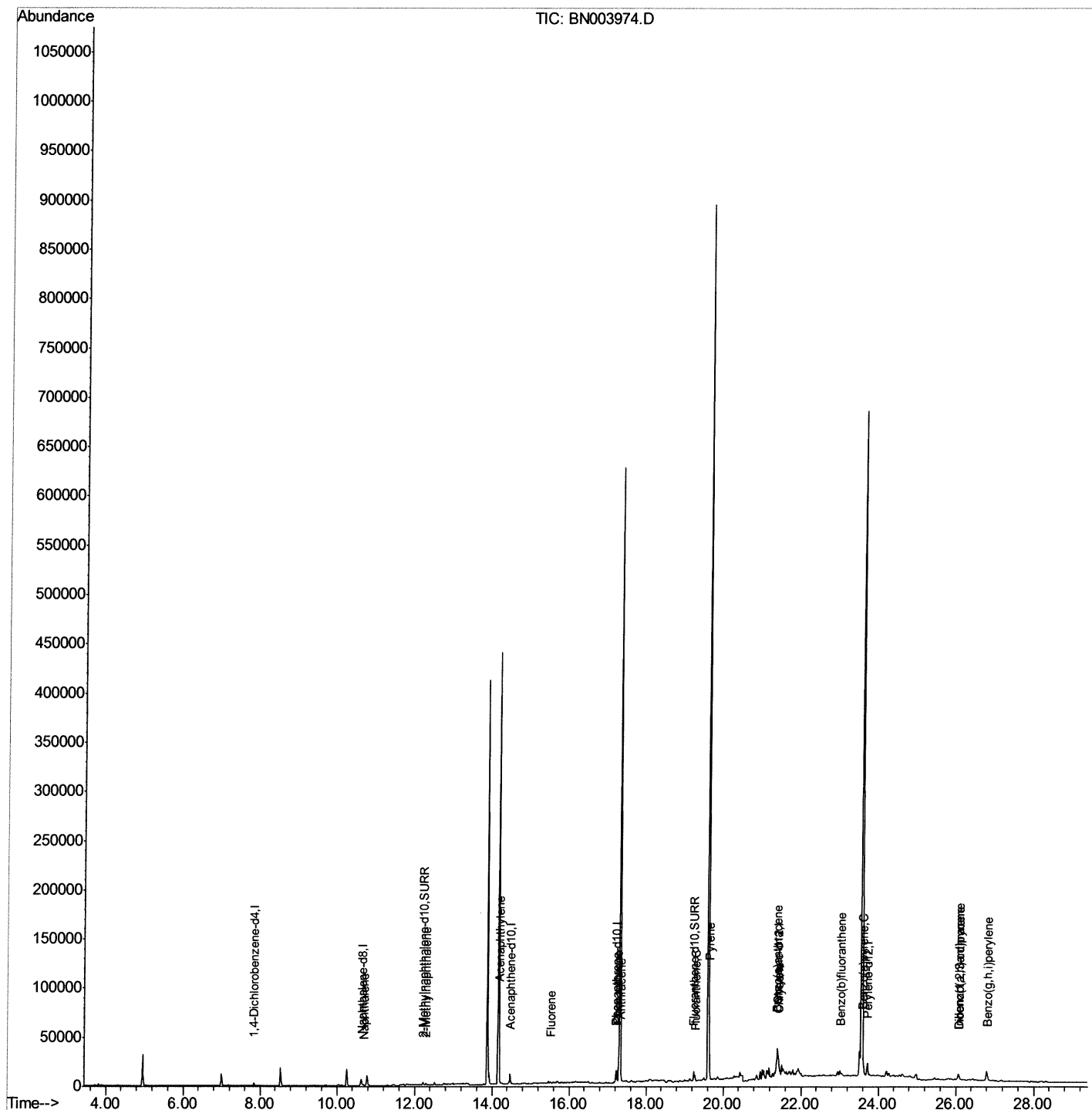
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:15:59 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)

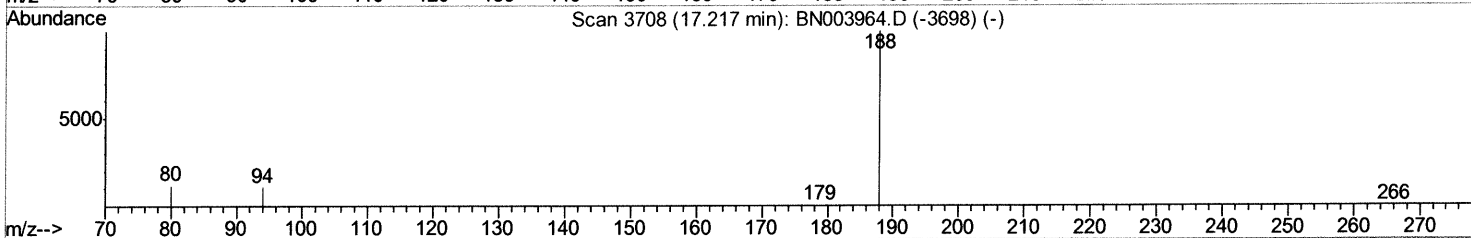
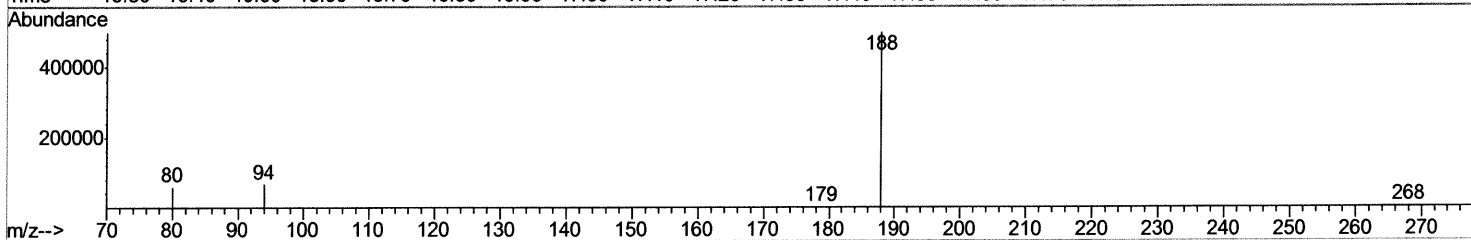
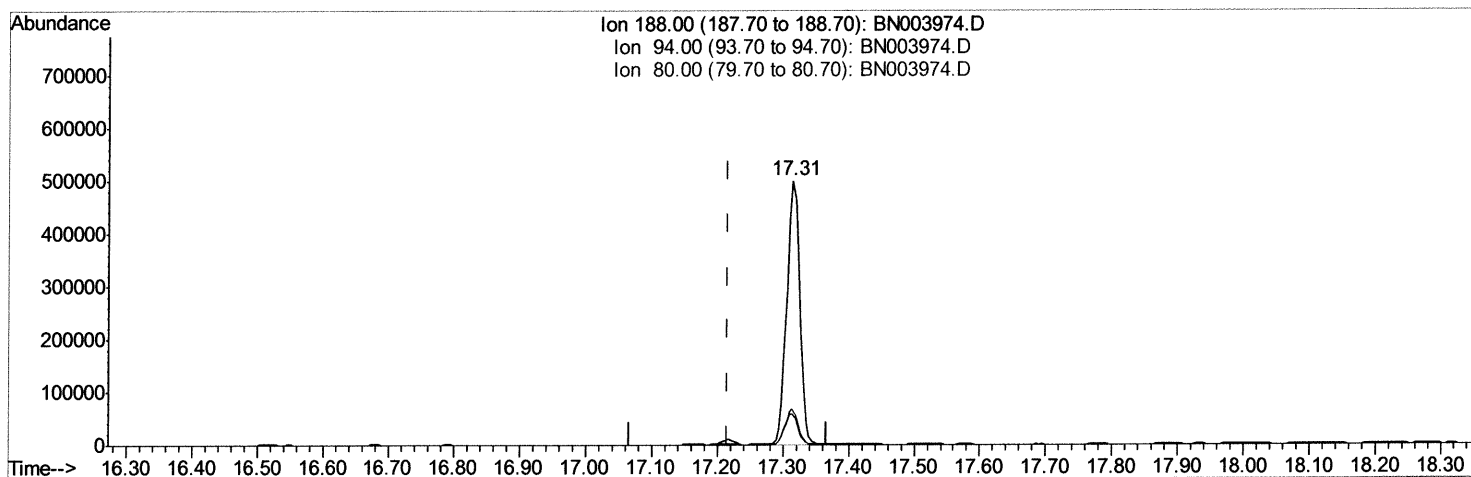
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:05:50 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: BN003974.D

(10) Phenanthrene-d10 (I)

17.314min (+0.097) 0.40ng/ul

response 686470

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 10.40 | 13.47# |
| 80.00  | 11.60 | 11.91  |
| 0.00   | 0.00  | 0.00   |

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

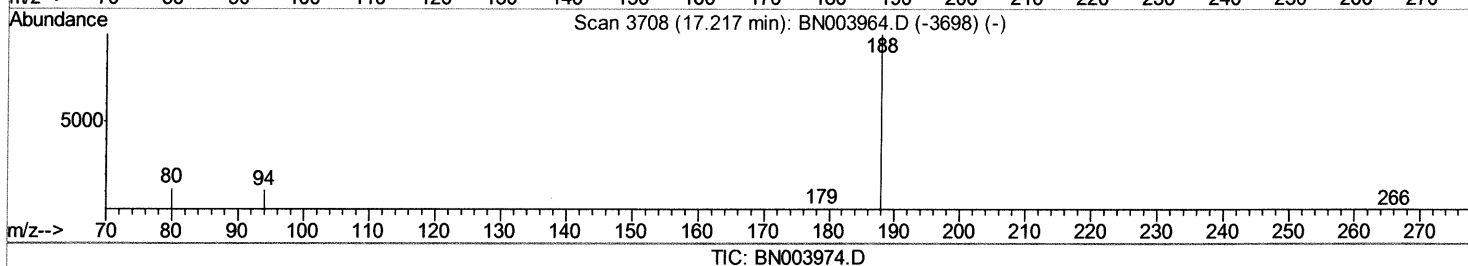
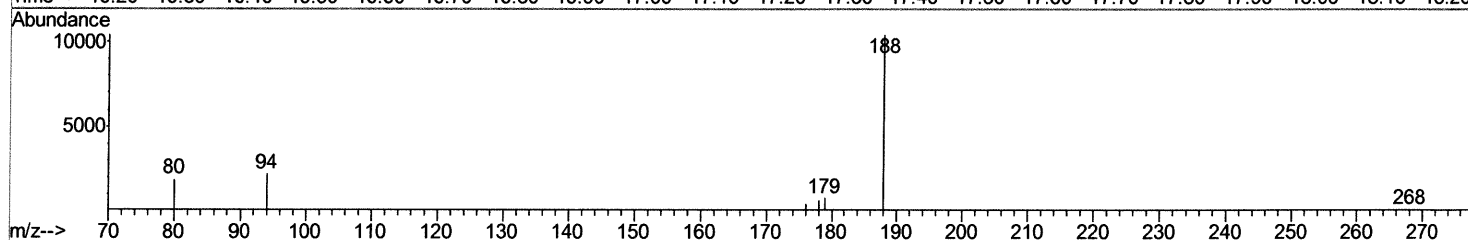
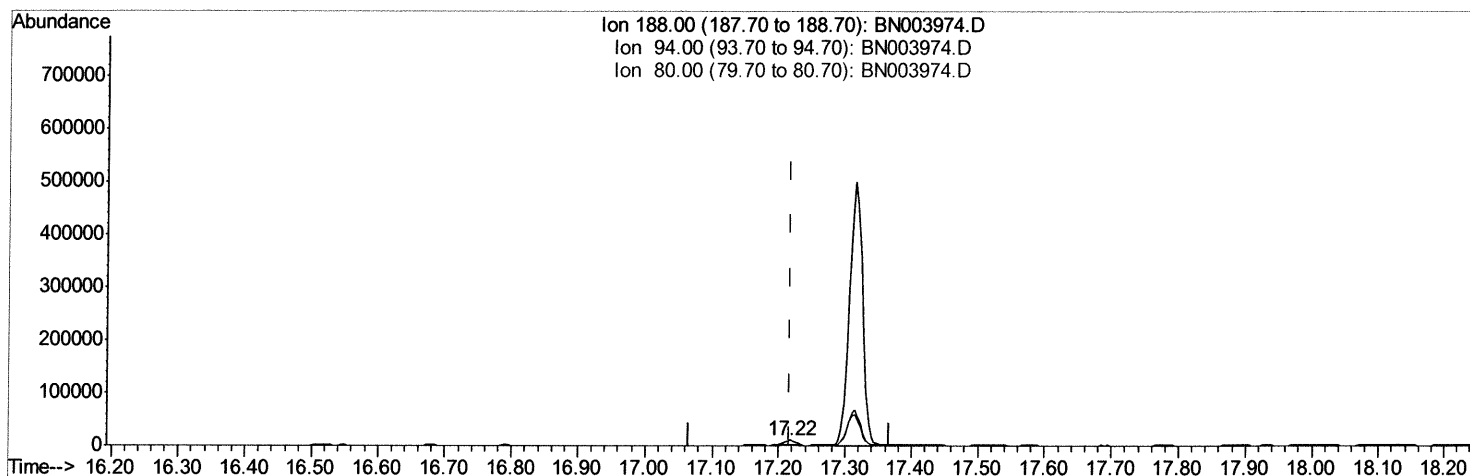
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:05:50 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



(10) Phenanthrene-d10 (I)

17.217min (+0.000) 0.40ng/ul m

response 14680

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 10.40 | 20.99# |
| 80.00  | 11.60 | 17.75# |
| 0.00   | 0.00  | 0.00   |

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

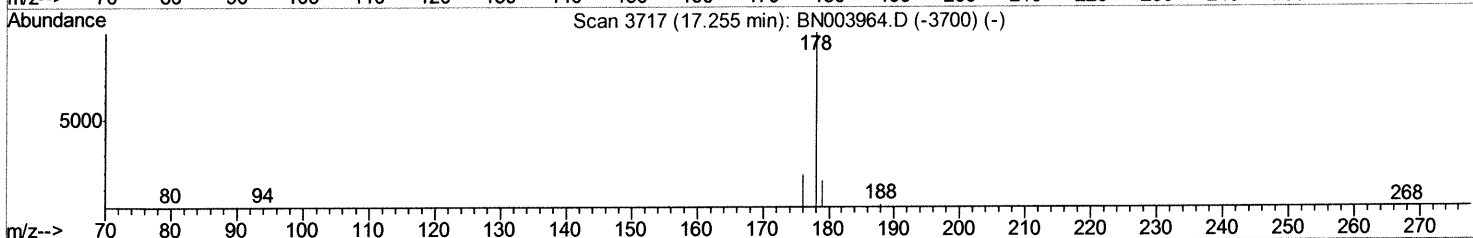
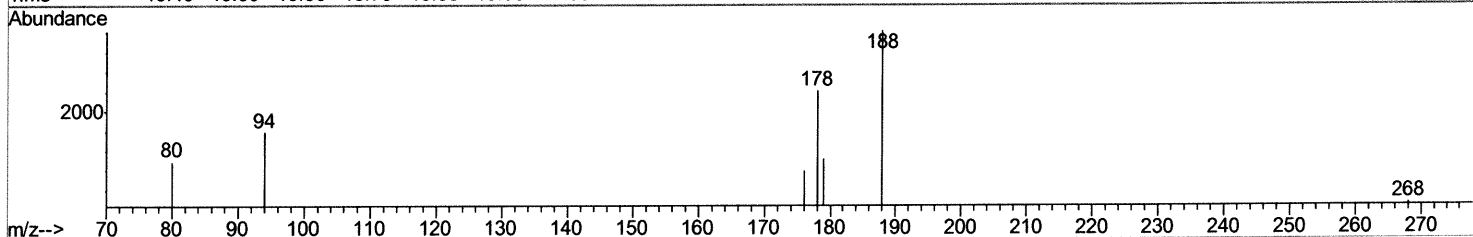
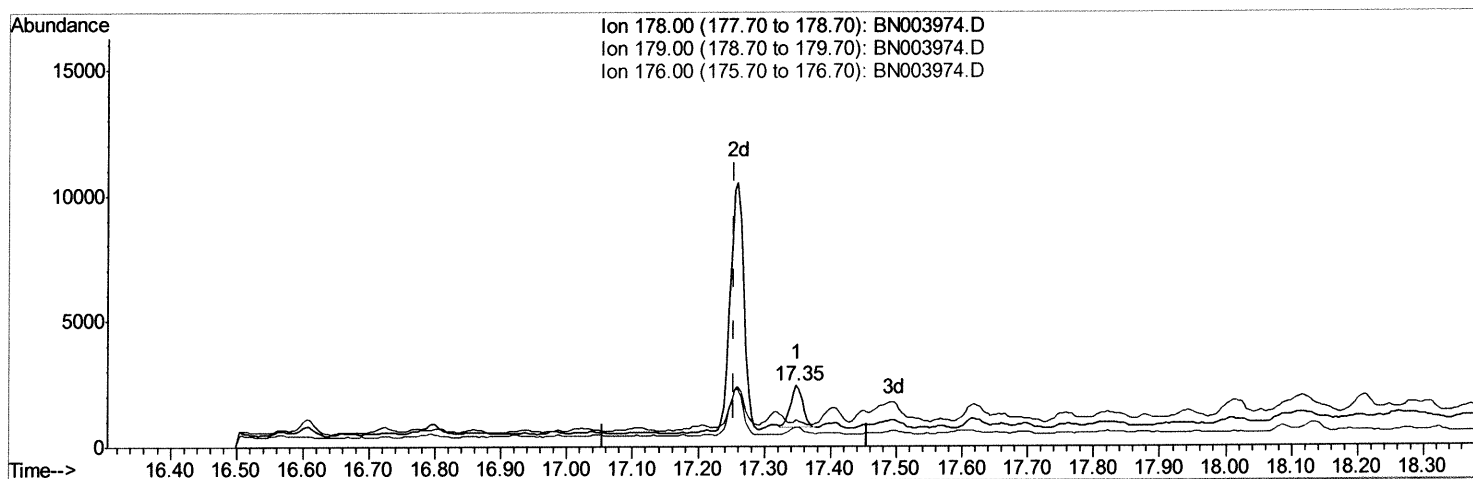
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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: BN003974.D

(12) Phenanthrene

17.348min (+0.093) 0.05ng/ul

response 2170

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.60 | 42.63# |
| 176.00 | 18.70 | 32.12# |
| 0.00   | 0.00  | 0.00   |

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

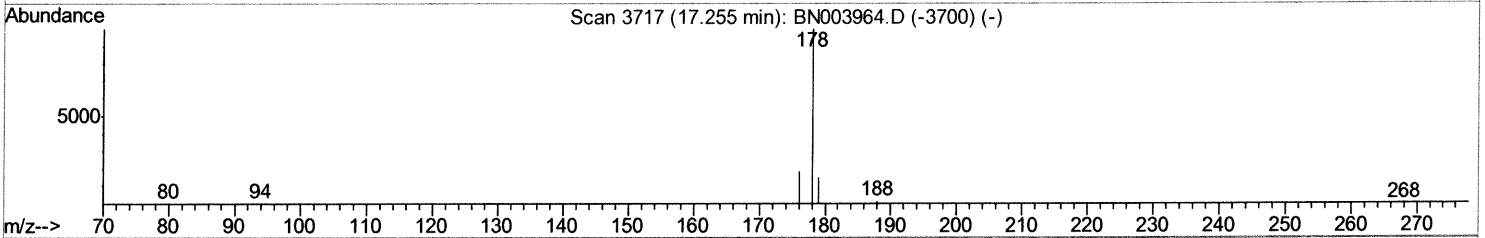
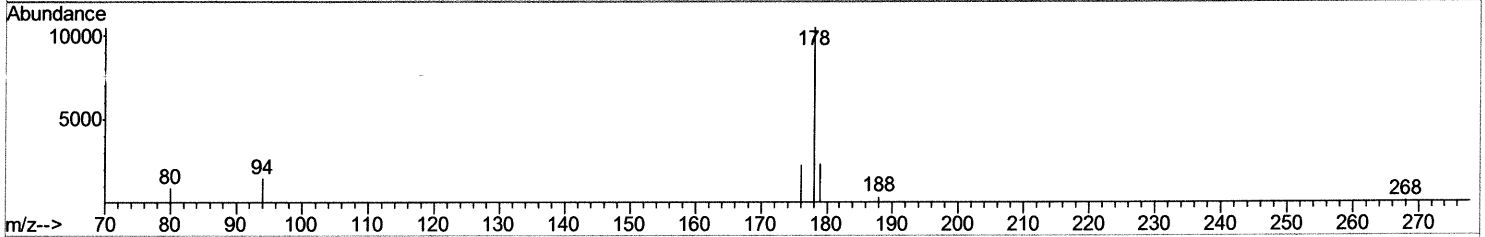
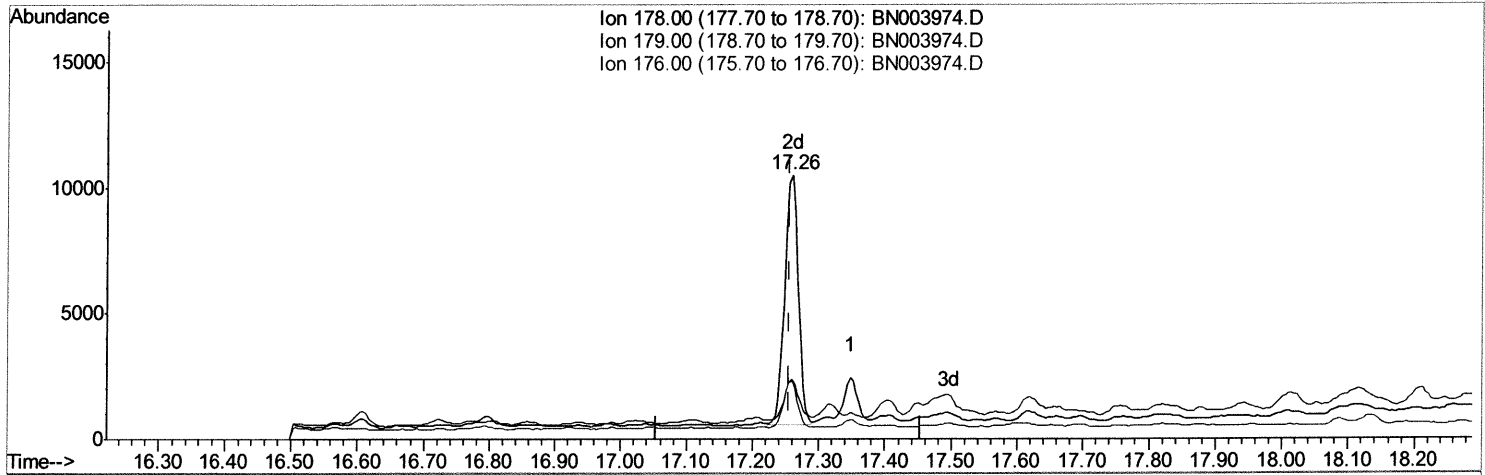
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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: BN003974.D

(12) Phenanthrene

17.259min (+0.004) 0.29ng/ul m

SJ 12/17/18

response 14173

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.60 | 22.52# |
| 176.00 | 18.70 | 21.74  |
| 0.00   | 0.00  | 0.00   |

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

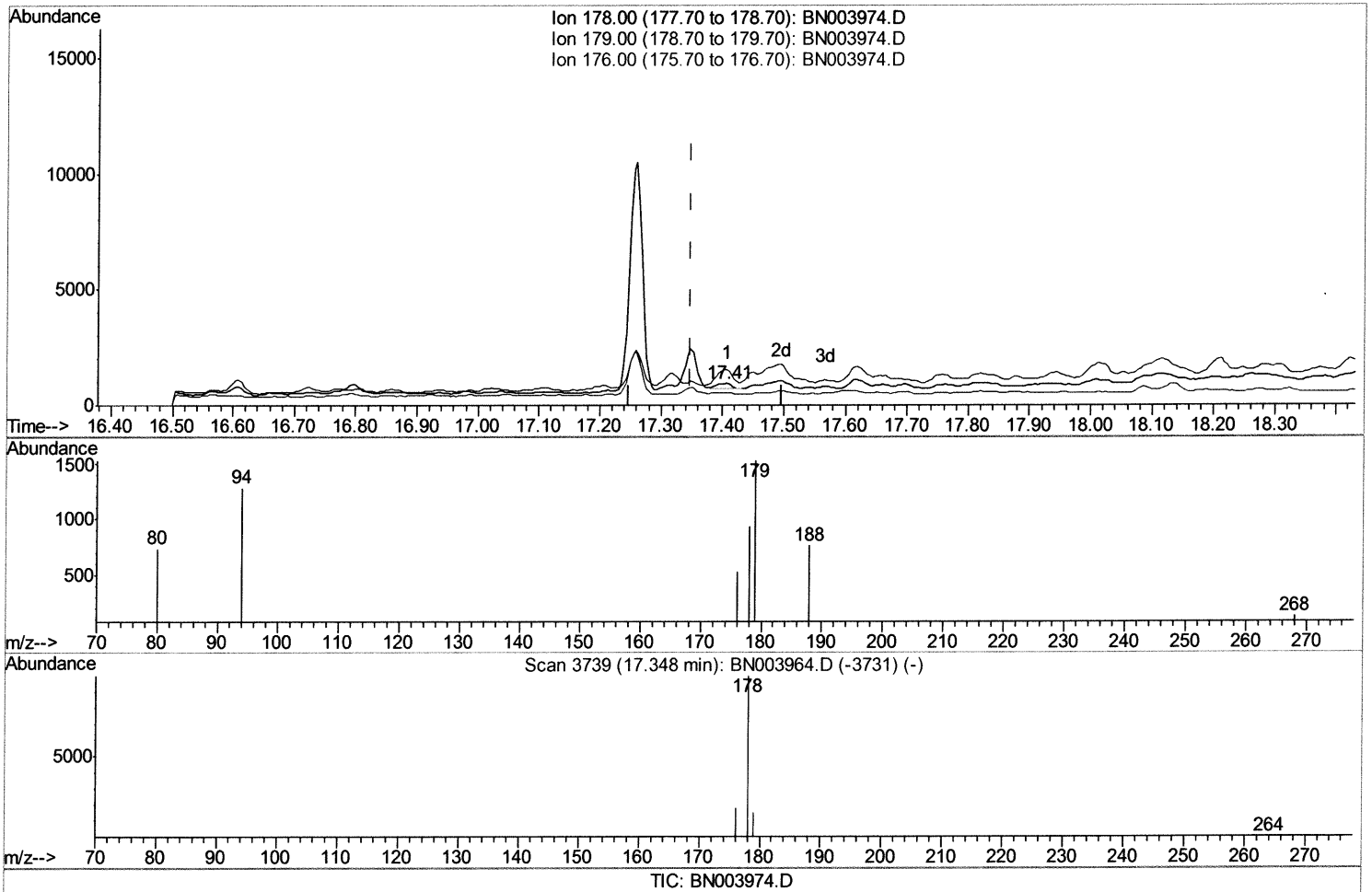
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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



(13) Anthracene

17.407min (+0.059) 0.01ng/ul

response 414

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 15.40 | 162.93# |
| 176.00 | 18.50 | 56.62#  |
| 0.00   | 0.00  | 0.00    |

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

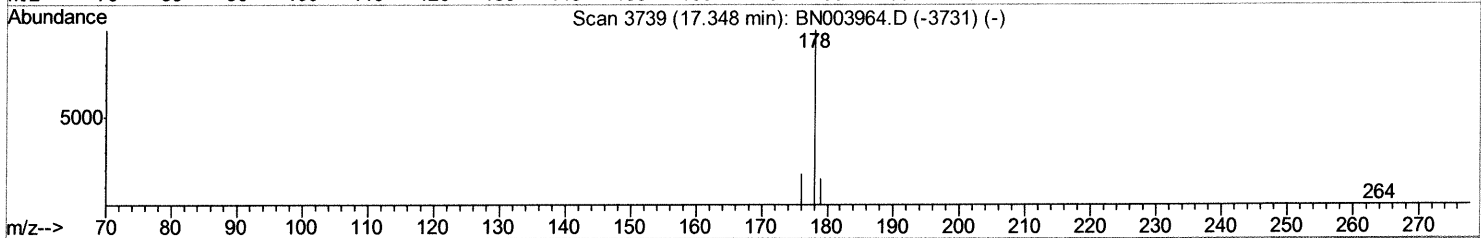
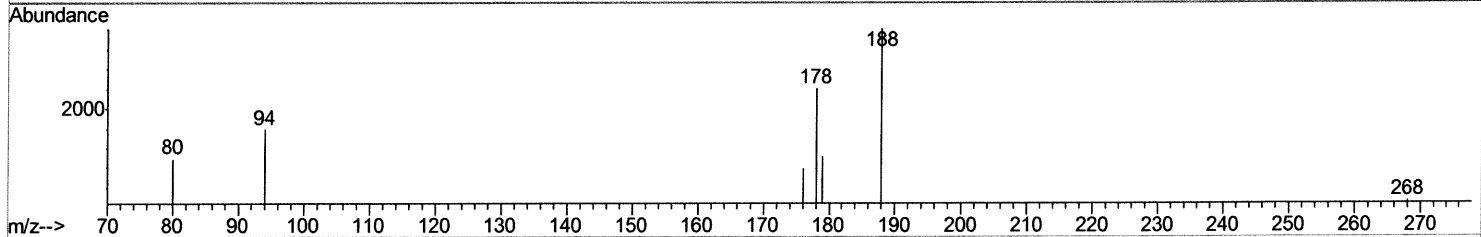
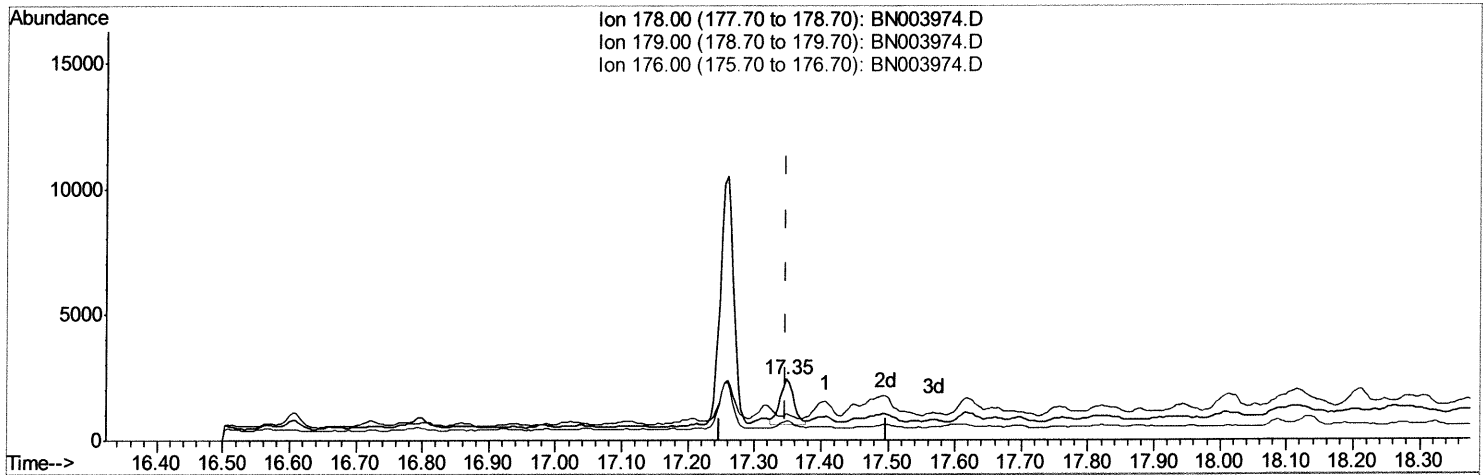
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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: BN003974.D

(13) Anthracene

17.348min (+0.000) 0.06ng/ul m

SD 12/17/18

response 2552

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.40 | 42.63# |
| 176.00 | 18.50 | 32.12# |
| 0.00   | 0.00  | 0.00   |

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

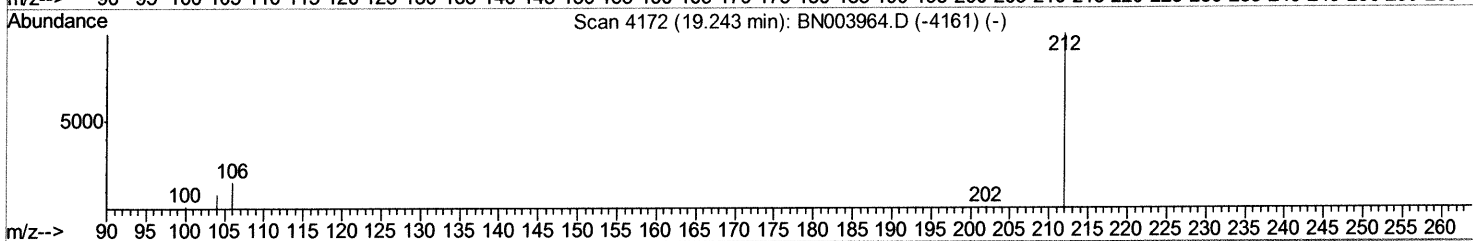
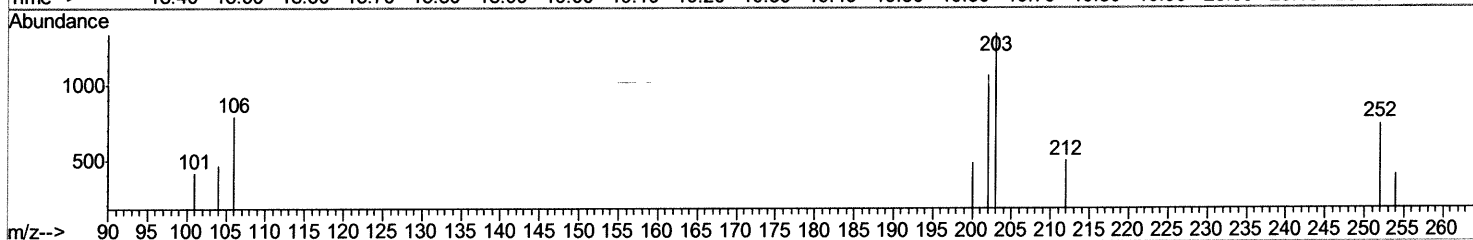
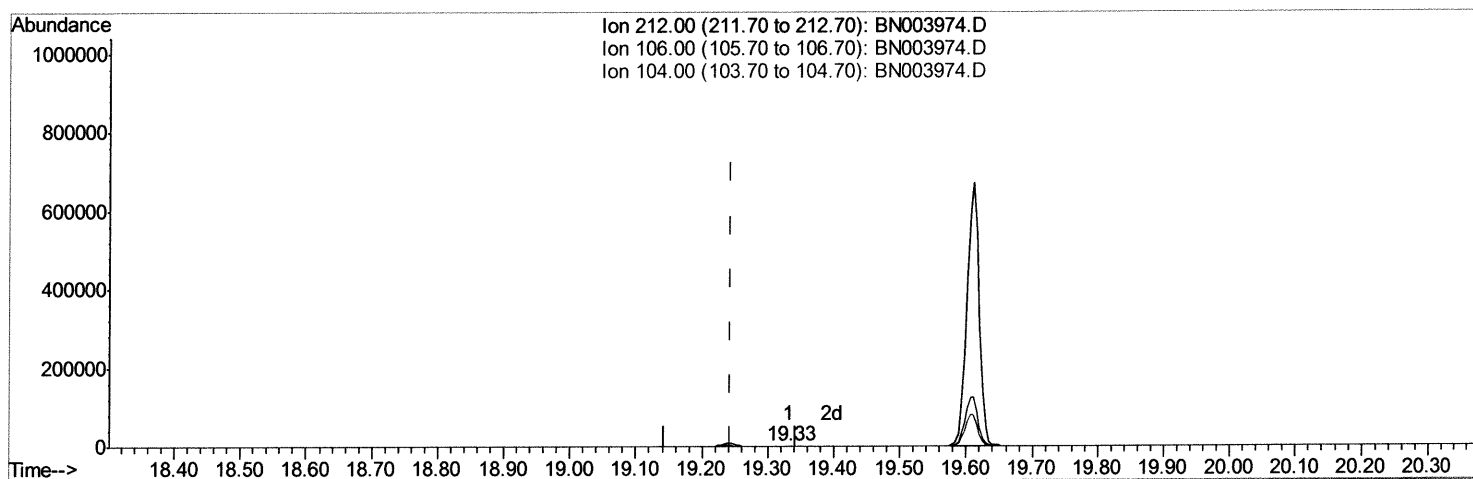
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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: BN003974.D

(14) Fluoranthene-d10 (SURR)

19.332min (+0.089) 0.00ng/ul

response 202

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 212.00 | 100   | 100    |
| 106.00 | 14.20 | 20.79# |
| 104.00 | 8.00  | 53.96# |
| 0.00   | 0.00  | 0.00   |



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

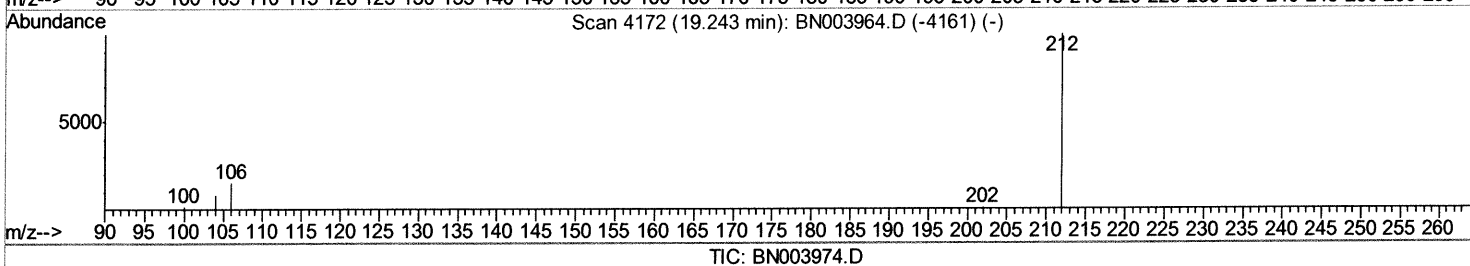
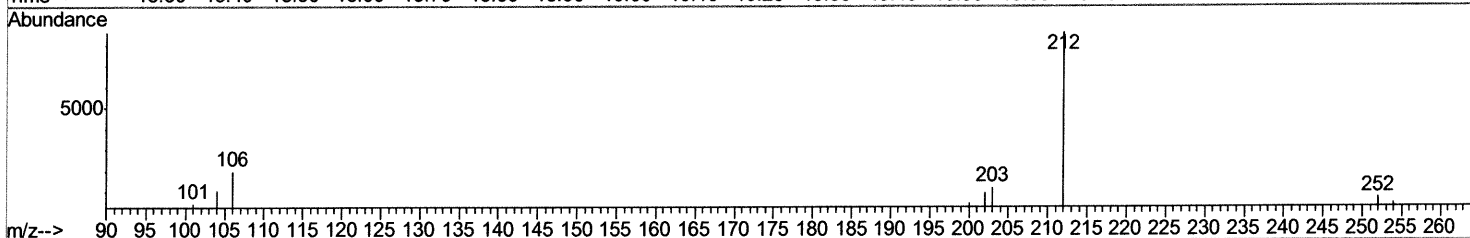
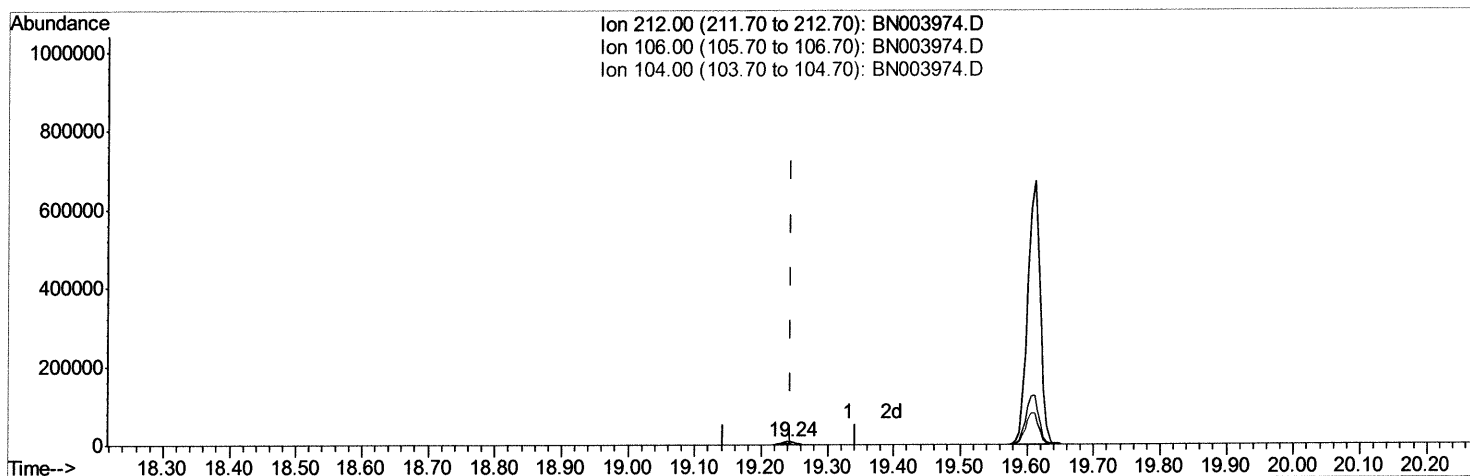
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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)

19.244min (+0.000) 0.28ng/ul m

SJ 12/17/18

response 12163

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 14.20 | 0.35# |
| 104.00 | 8.00  | 0.90# |
| 0.00   | 0.00  | 0.00  |

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

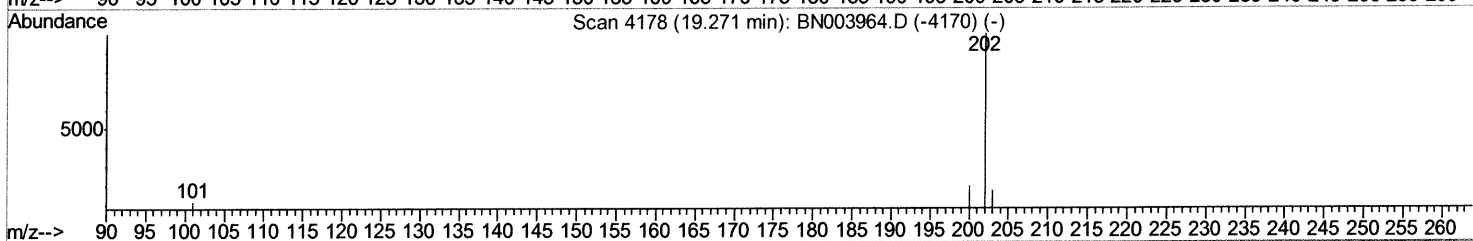
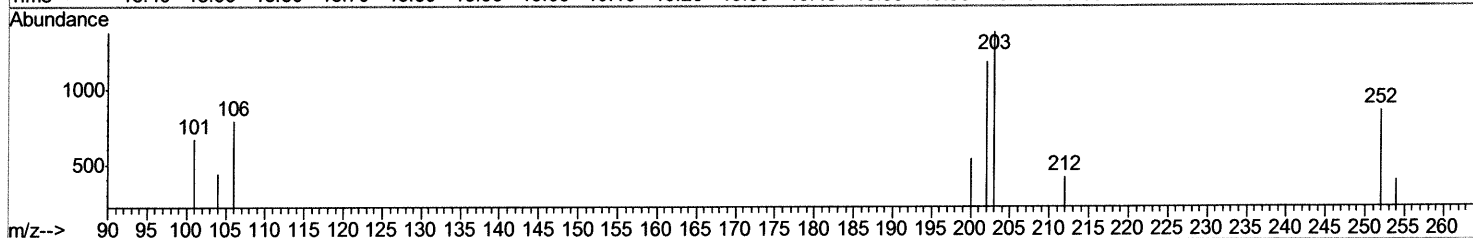
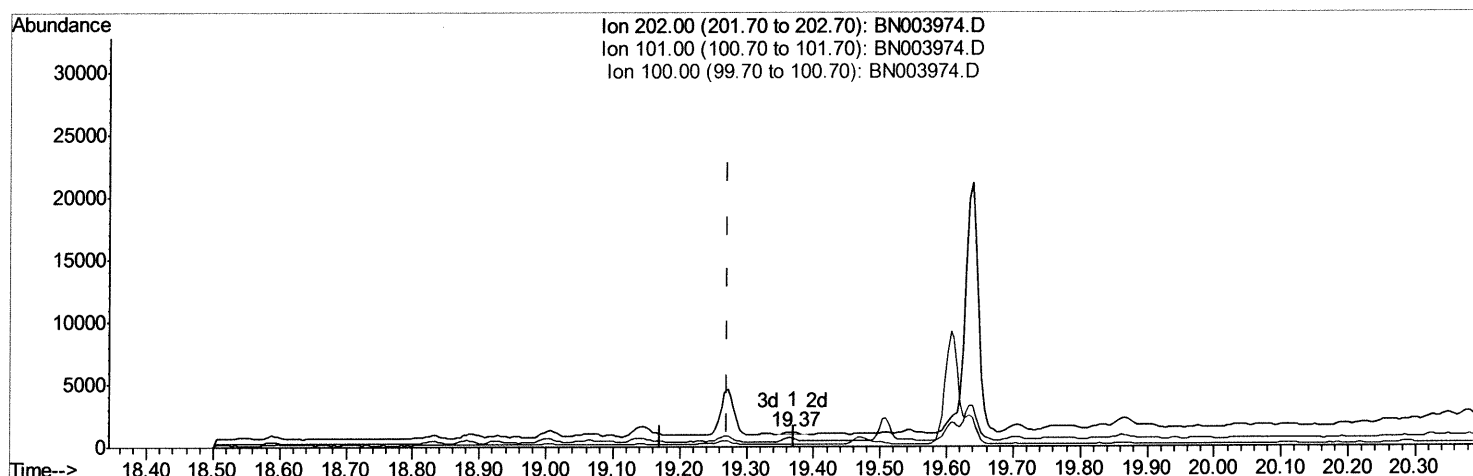
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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: BN003974.D

(15) Fluoranthene (C)

19.369min (+0.098) 0.01ng/ul

response 377

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 10.70 | 56.82# |
| 100.00 | 8.10  | 18.52  |
| 0.00   | 0.00  | 0.00   |

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

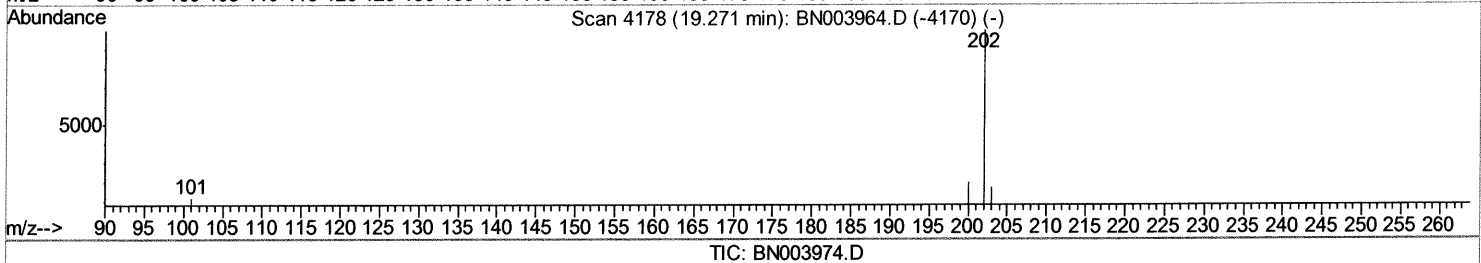
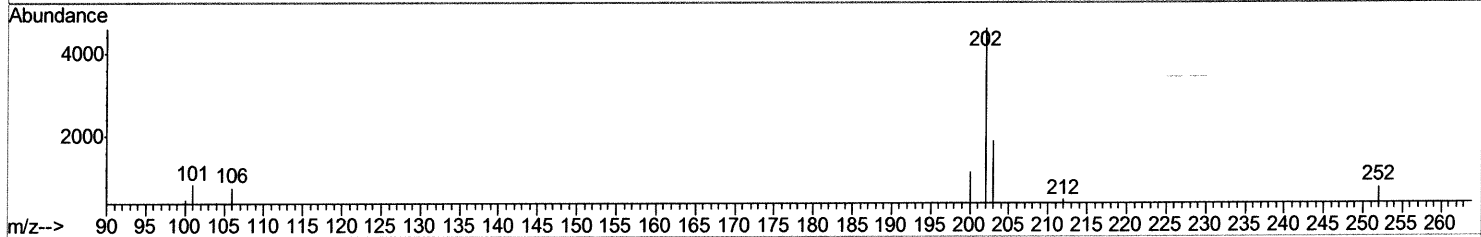
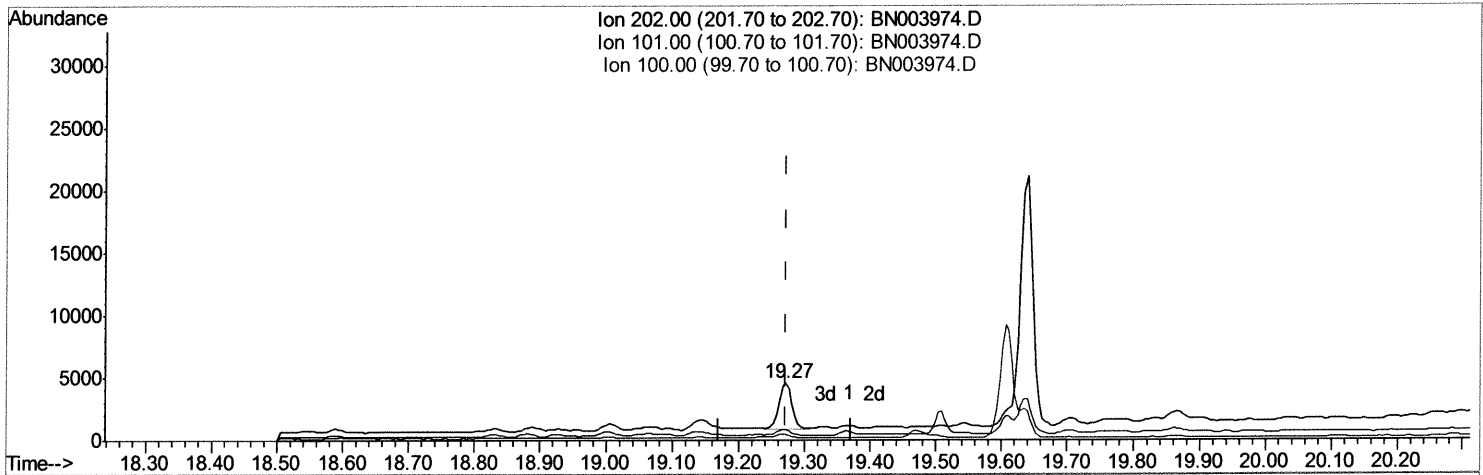
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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



(15) Fluoranthene (C)

19.272min (+0.000) 0.09ng/ul m

SD 12/17/18

response 5148

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.70 | 18.70 |
| 100.00 | 8.10  | 10.70 |
| 0.00   | 0.00  | 0.00  |

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

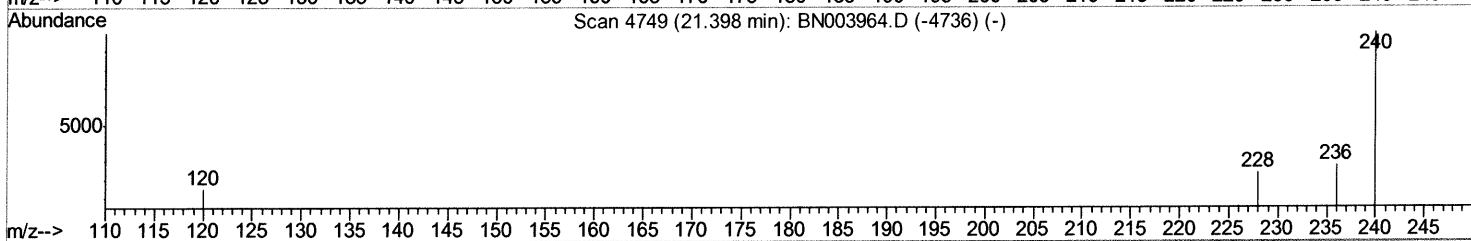
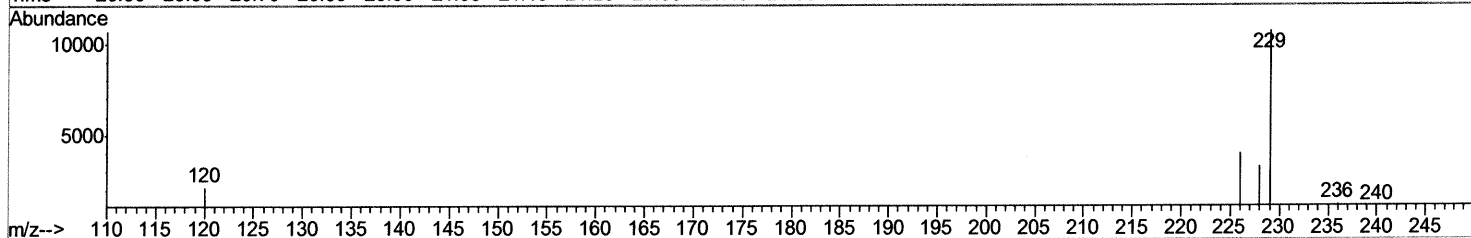
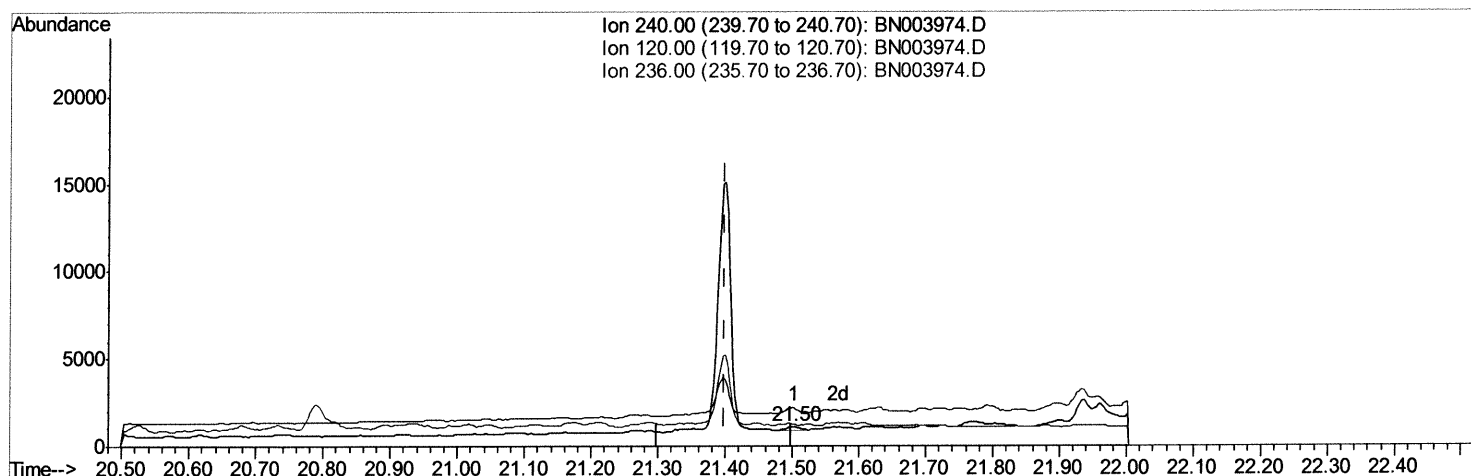
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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: BN003974.D

(16) Chrysene-d12 (I)

21.502min (+0.104) 0.40ng/ul

response 290

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 14.00 | 195.09# |
| 236.00 | 27.60 | 108.03# |
| 0.00   | 0.00  | 0.00    |

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

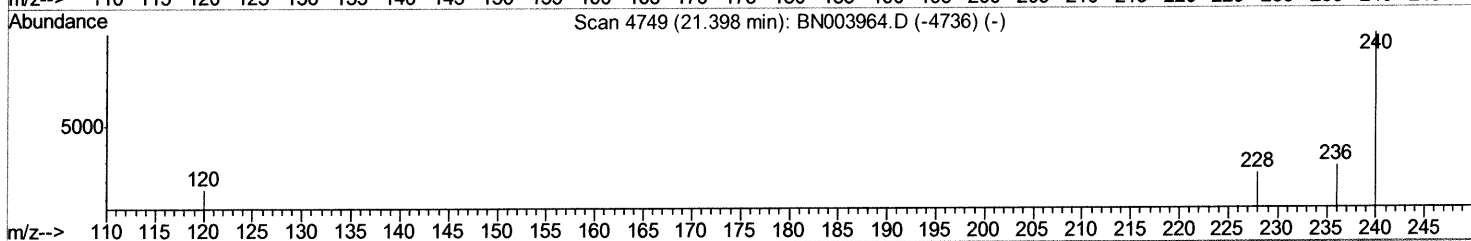
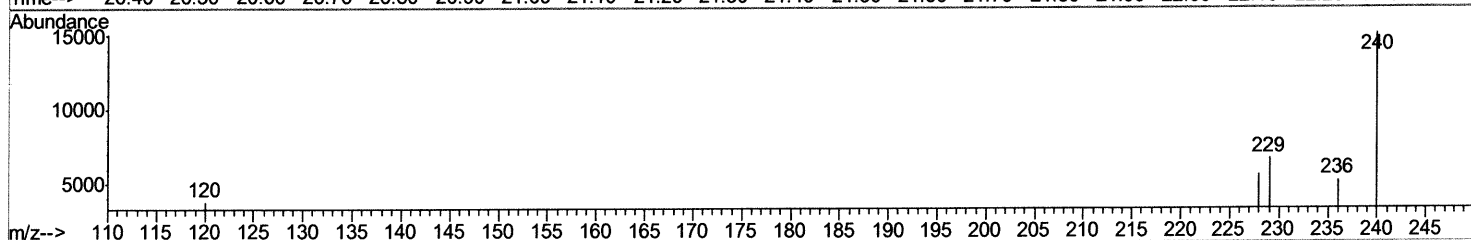
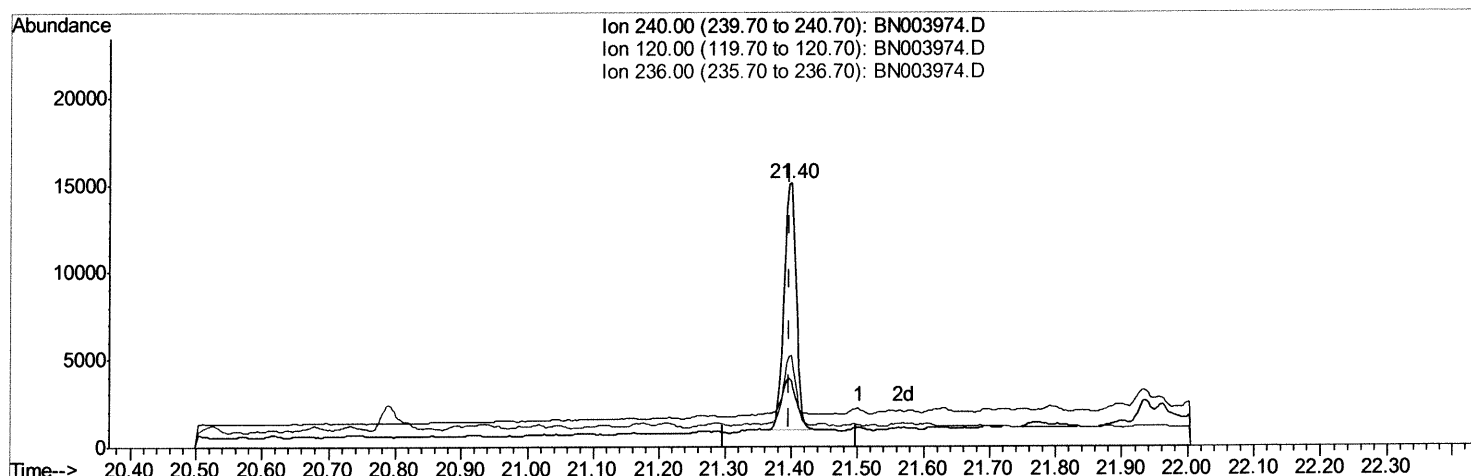
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:11:29 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: BN003974.D

(16) Chrysene-d12 (I)

21.400min (+0.001) 0.40ng/ul m

SJ 12/17/18

response 18008

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 14.00 | 25.08# |
| 236.00 | 27.60 | 34.39# |
| 0.00   | 0.00  | 0.00   |

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

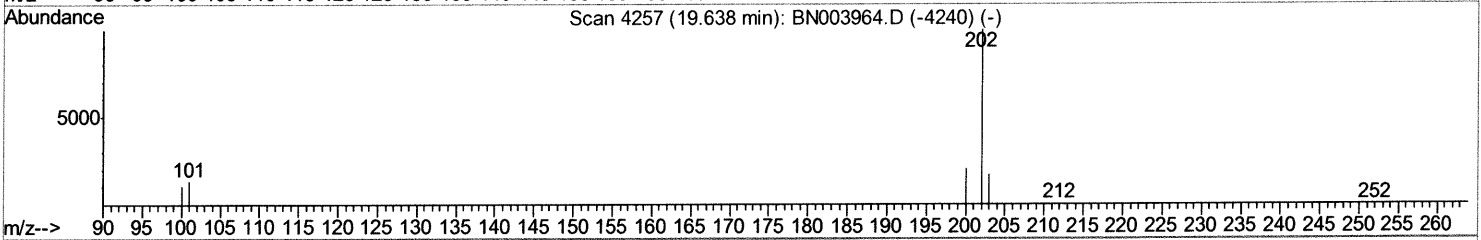
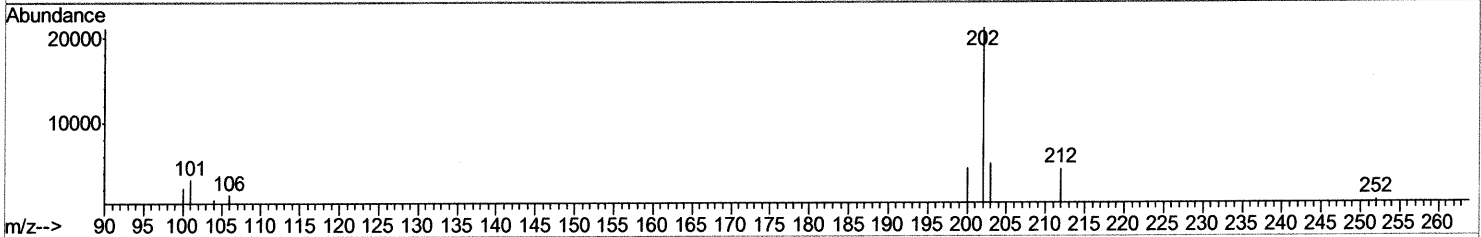
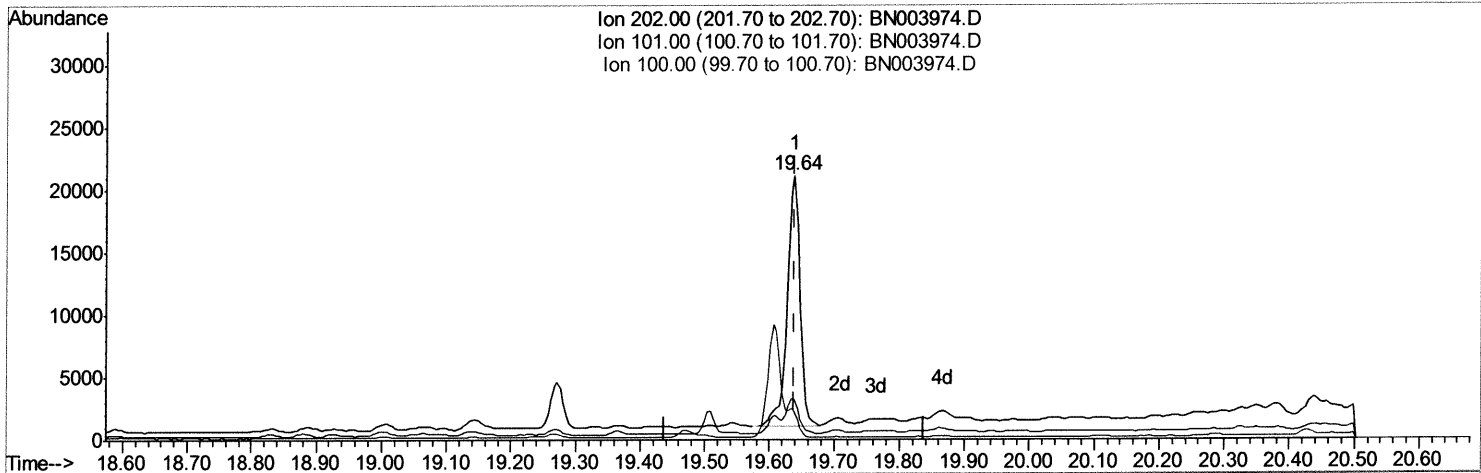
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:12:52 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: BN003974.D

(17) Pyrene

19.639min (+0.000) 0.43ng/ul

response 28039

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.90 | 15.32 |
| 100.00 | 10.60 | 10.94 |
| 0.00   | 0.00  | 0.00  |

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

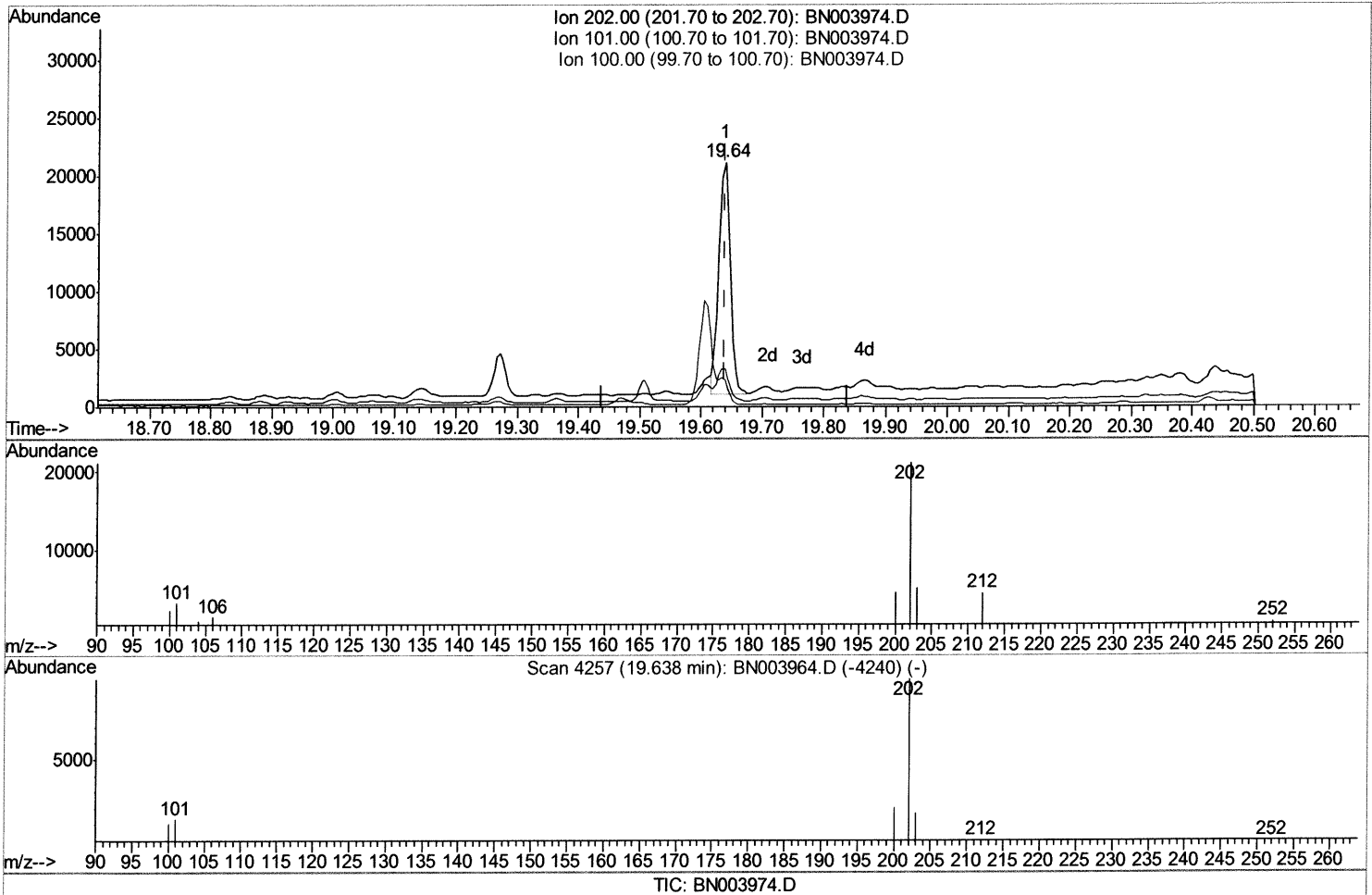
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:12:52 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) 0.41ng/ul m

SJ 12/17/18

response 26441

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.90 | 15.32 |
| 100.00 | 10.60 | 10.94 |
| 0.00   | 0.00  | 0.00  |



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

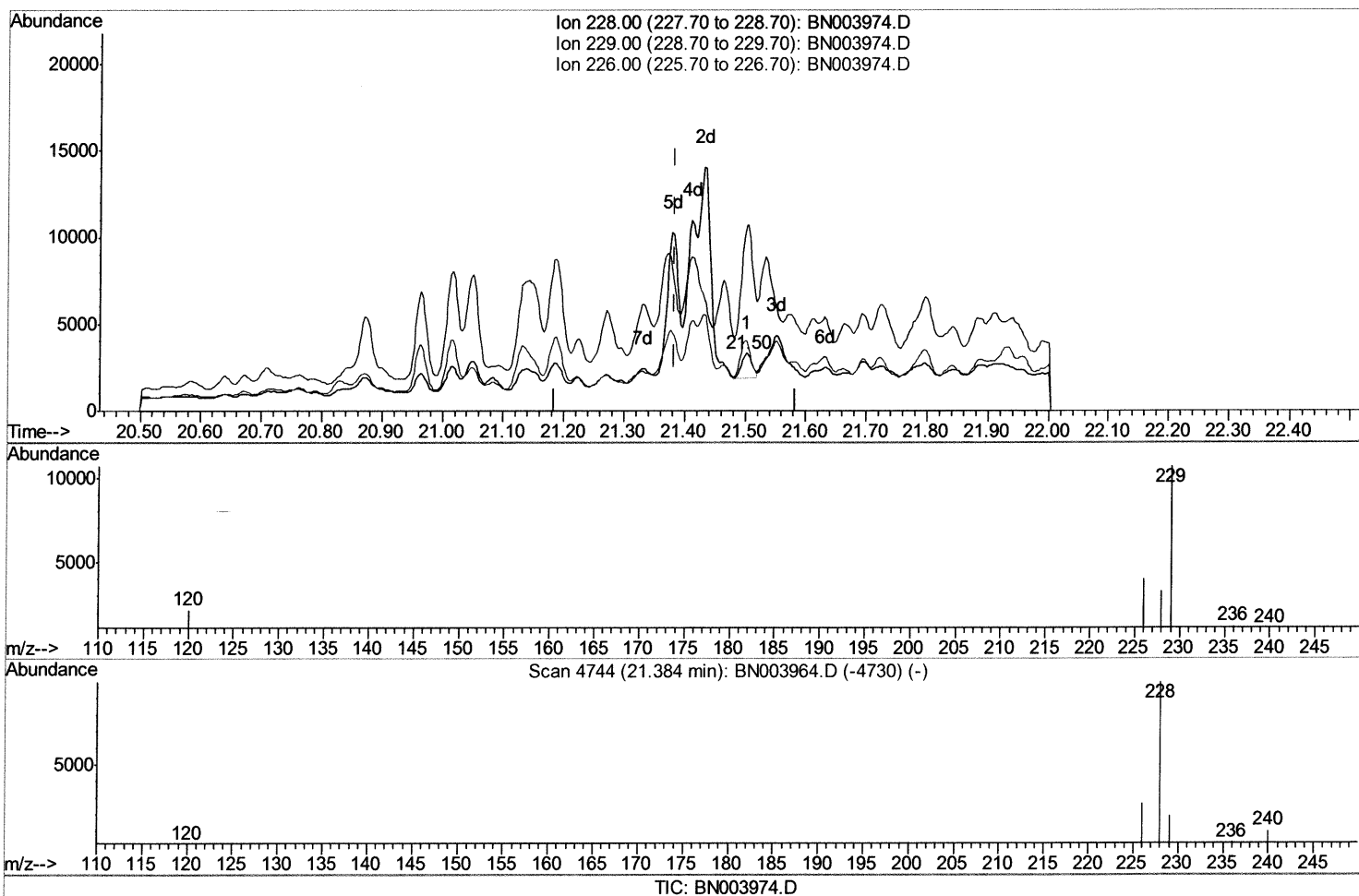
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:12:52 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



(18) Benzo(a)anthracene  
21.502min (+0.118) 0.03ng/ul  
response 1775

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 228.00 | 100   | 100     |
| 229.00 | 19.50 | 323.87# |
| 226.00 | 26.40 | 122.18# |
| 0.00   | 0.00  | 0.00    |



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

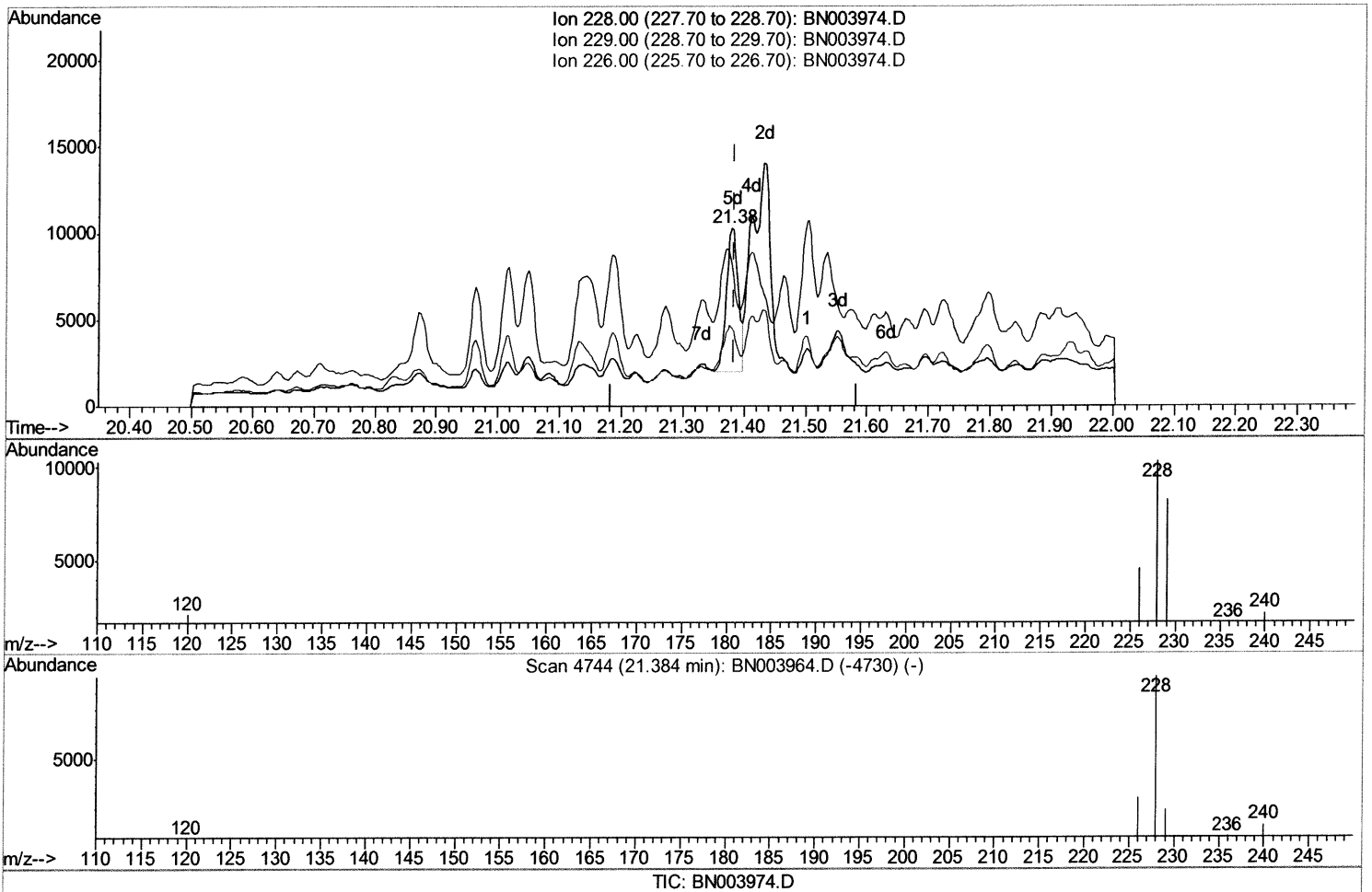
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:12:52 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



(18) Benzo(a)anthracene

21.379min (-0.004) 0.20ng/ul m SJ 12/17/18

response 11255

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.50 | 80.00# |
| 226.00 | 26.40 | 44.33# |
| 0.00   | 0.00  | 0.00   |

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

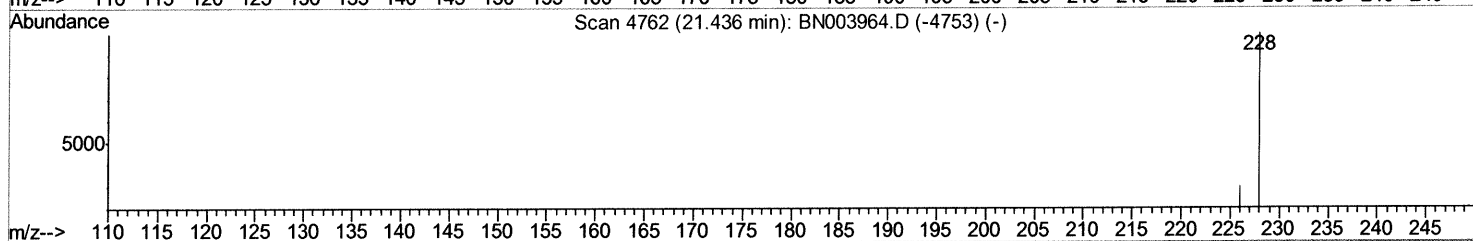
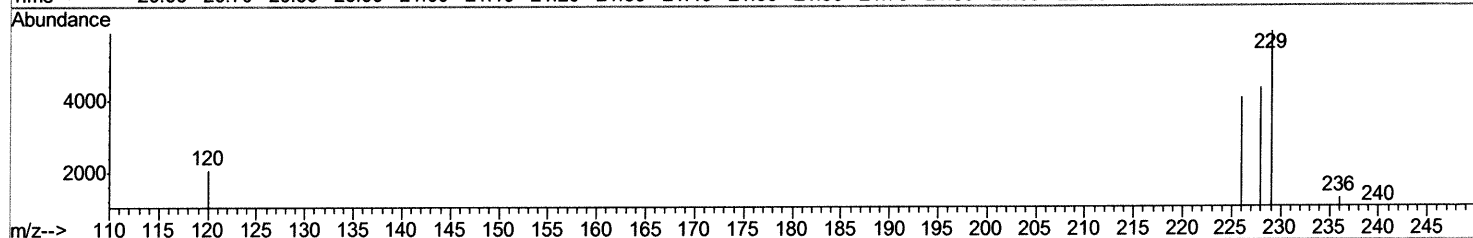
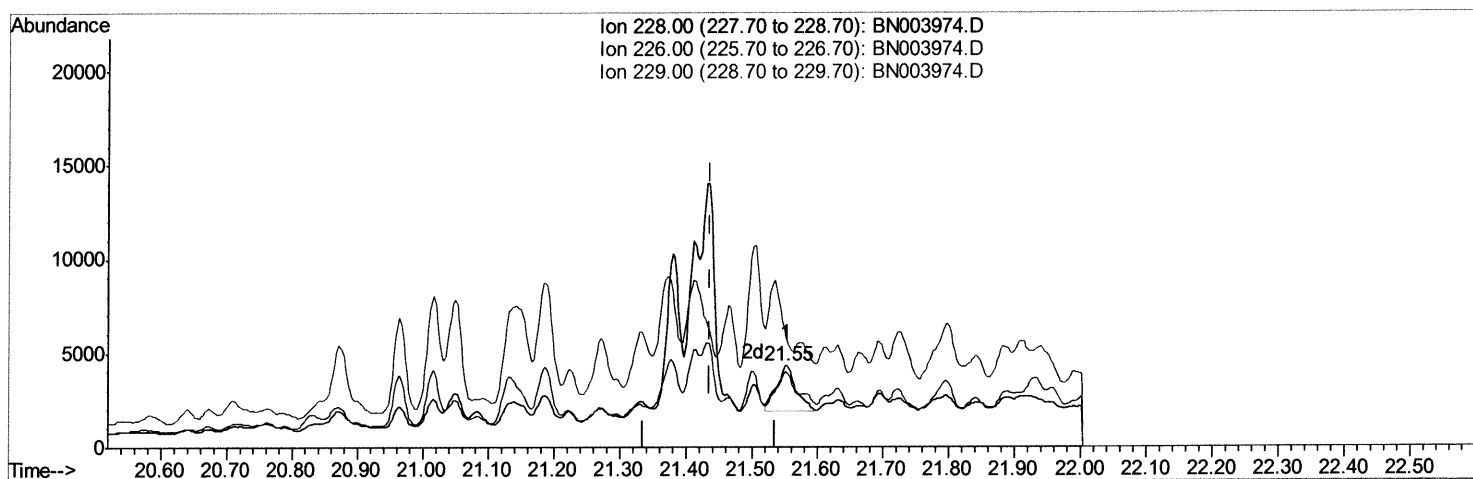
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:12:52 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: BN003974.D

(19) Chrysene

21.552min (+0.115) 0.07ng/ul

response 4849

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 228.00 | 100   | 100     |
| 226.00 | 30.00 | 93.58#  |
| 229.00 | 19.60 | 136.10# |
| 0.00   | 0.00  | 0.00    |

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

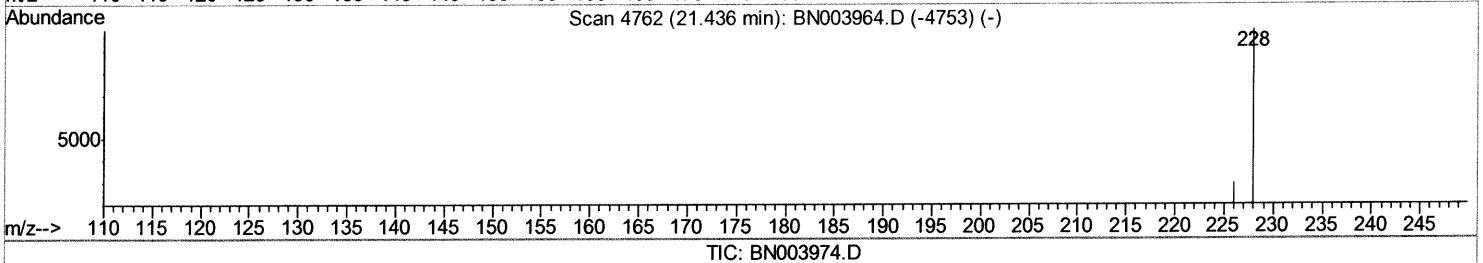
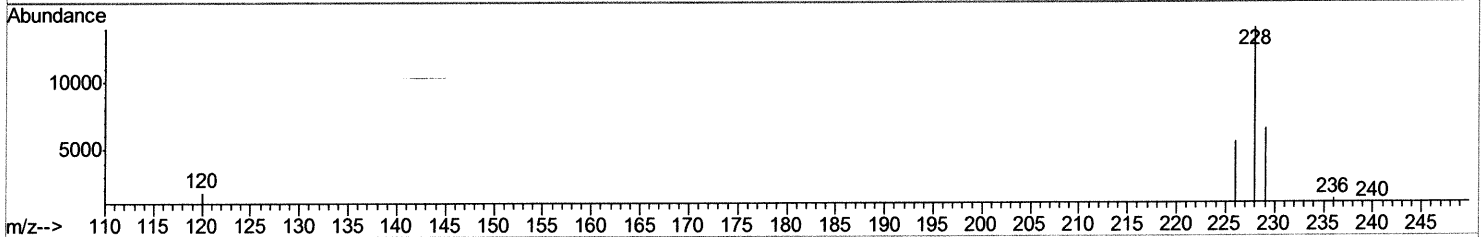
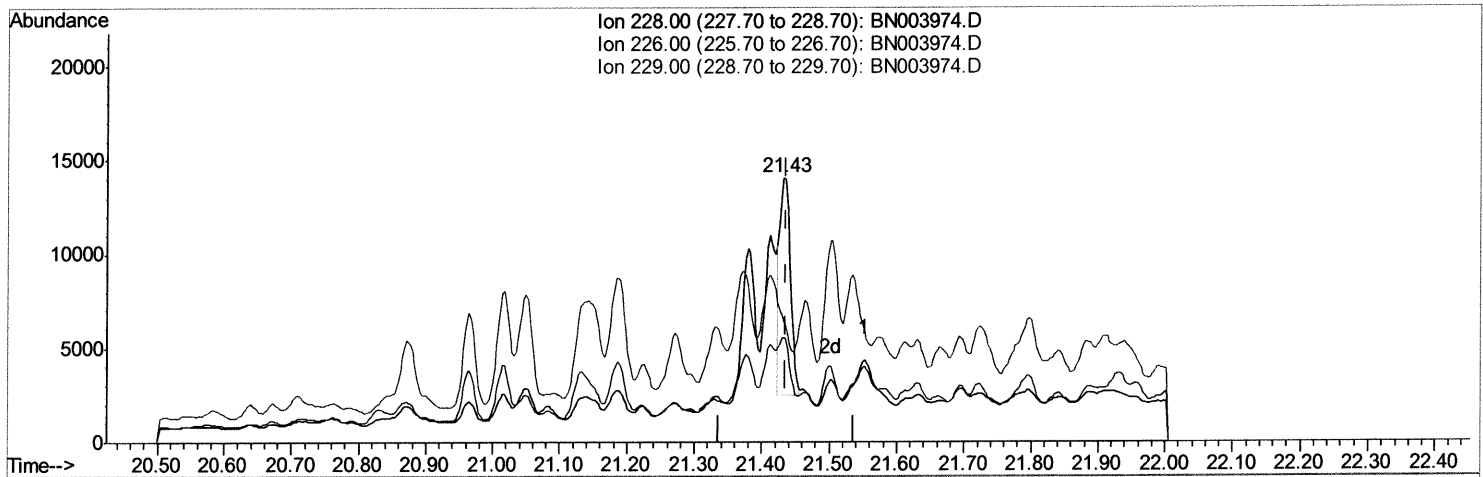
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:12:52 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: BN003974.D

(19) Chrysene

21.432min (-0.004) 0.19ng/ul m

SJ 12/17/18

response 12236

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 30.00 | 39.50# |
| 229.00 | 19.60 | 46.45# |
| 0.00   | 0.00  | 0.00   |

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

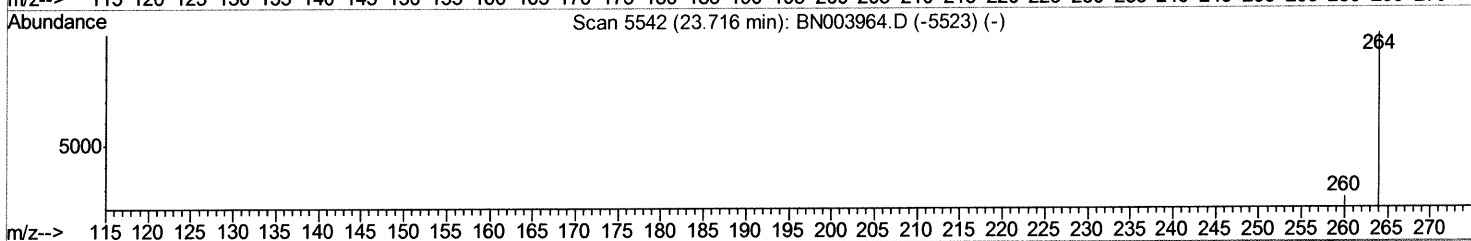
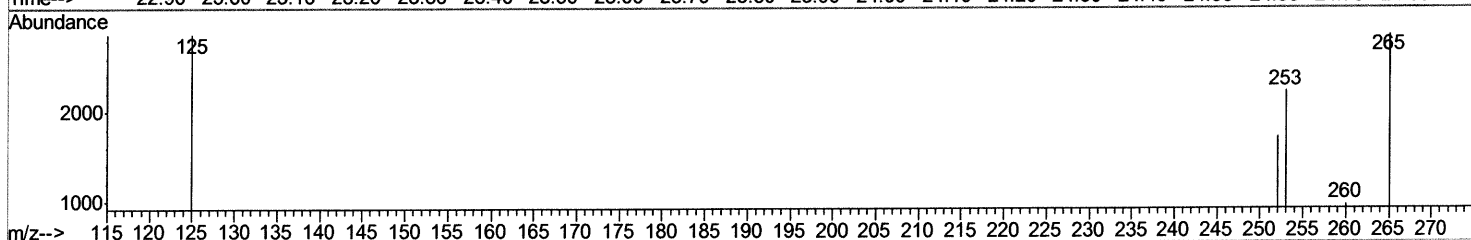
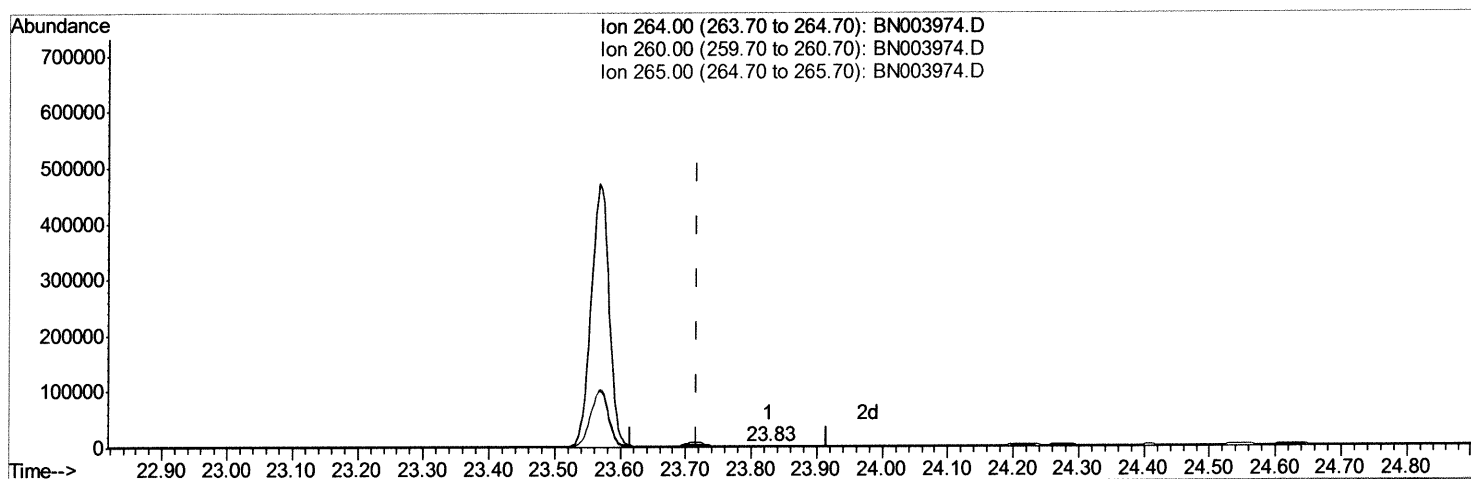
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:12:52 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: BN003974.D

(20) Perylene-d12 (I)

23.826min (+0.110) 0.40ng/ul

response 343

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 264.00 | 100   | 100     |
| 260.00 | 26.20 | 104.48# |
| 265.00 | 33.50 | 313.11# |
| 0.00   | 0.00  | 0.00    |

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

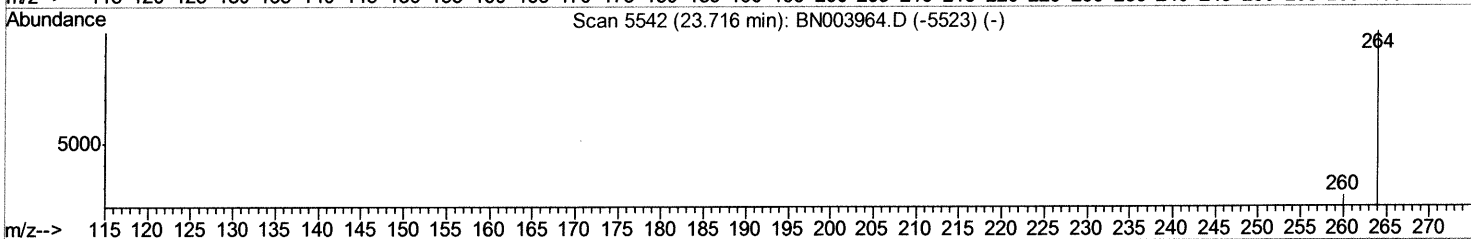
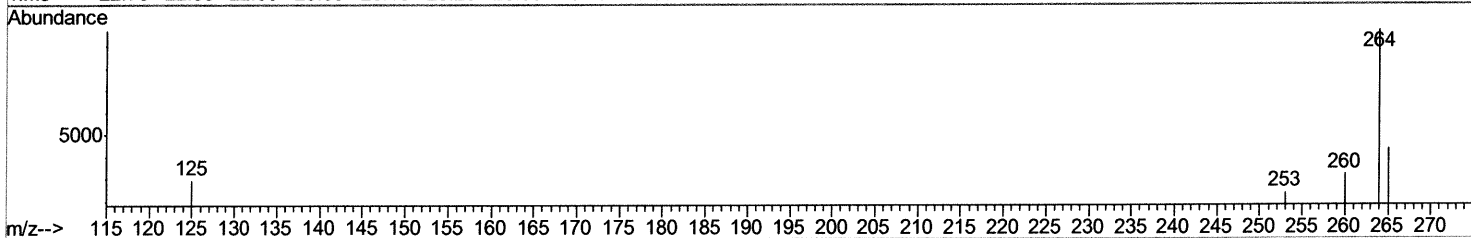
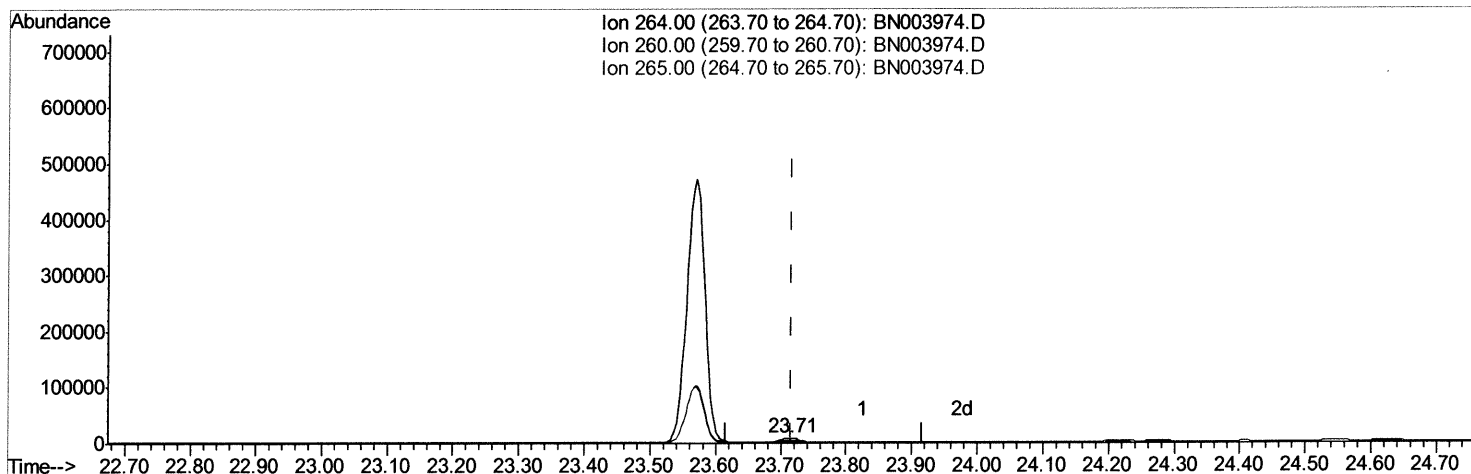
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:12:52 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: BN003974.D

(20) Perylene-d12 (I)

23.715min (-0.001) 0.40ng/ul m SJ 12/17/18

response 16628

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 26.20 | 33.00# |
| 265.00 | 33.50 | 44.79# |
| 0.00   | 0.00  | 0.00   |

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

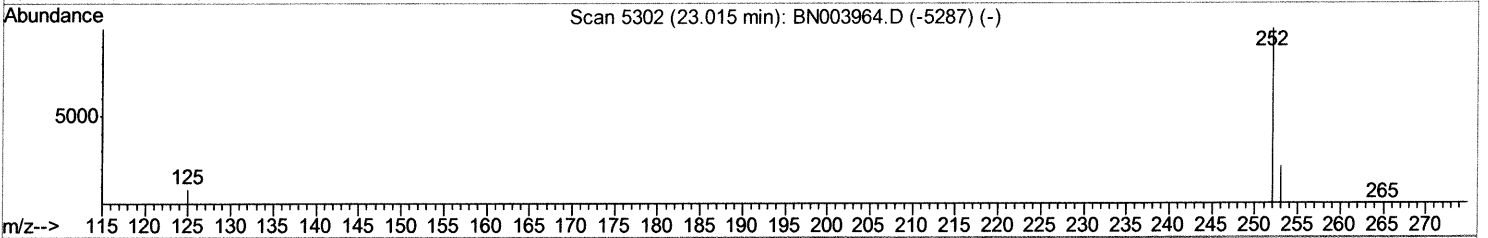
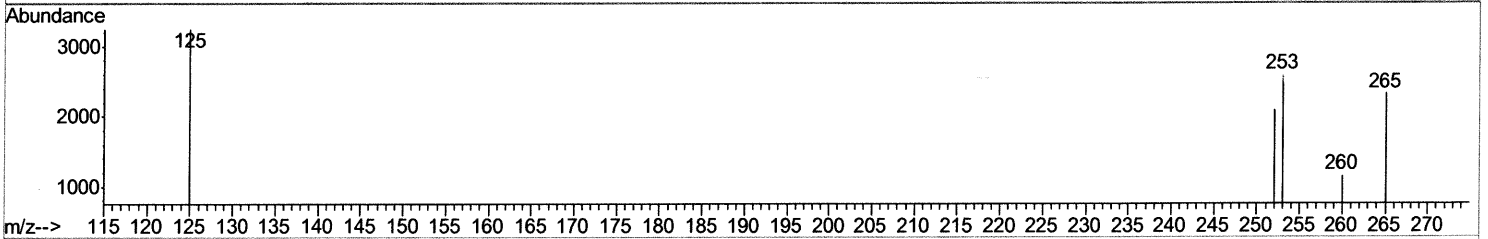
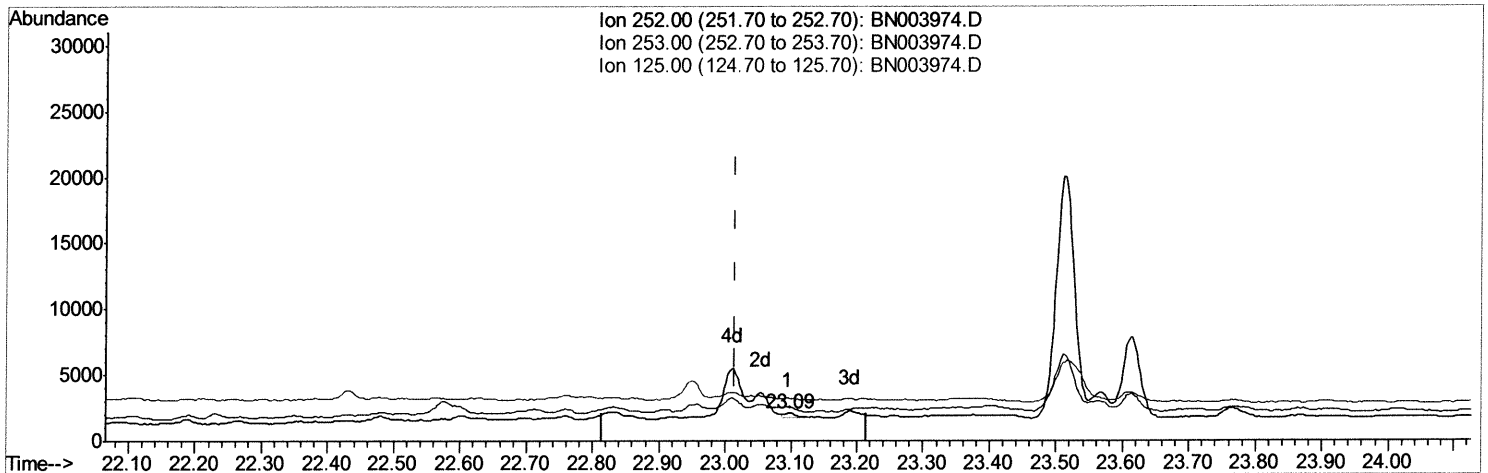
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:14:13 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: BN003974.D

(21) Benzo(b)fluoranthene

23.095min (+0.080) 0.01ng/ul

response 362

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 23.00 | 123.96# |
| 125.00 | 11.20 | 155.57# |
| 0.00   | 0.00  | 0.00    |

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

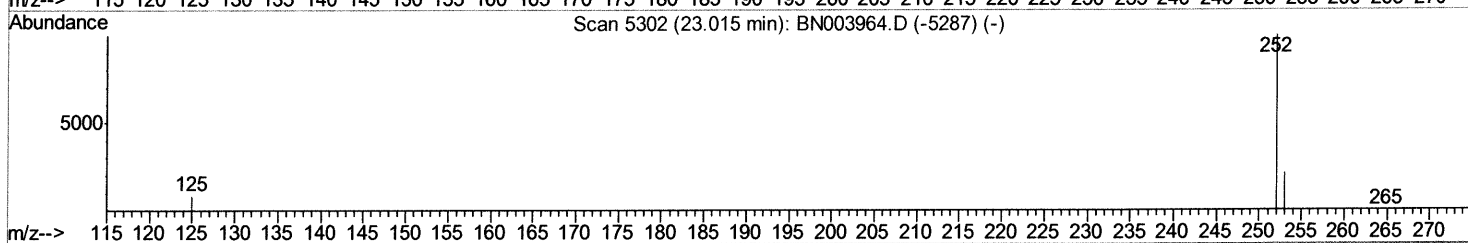
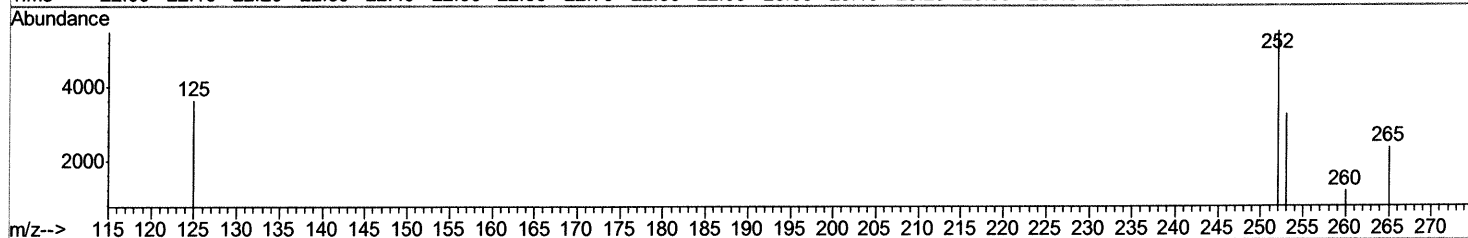
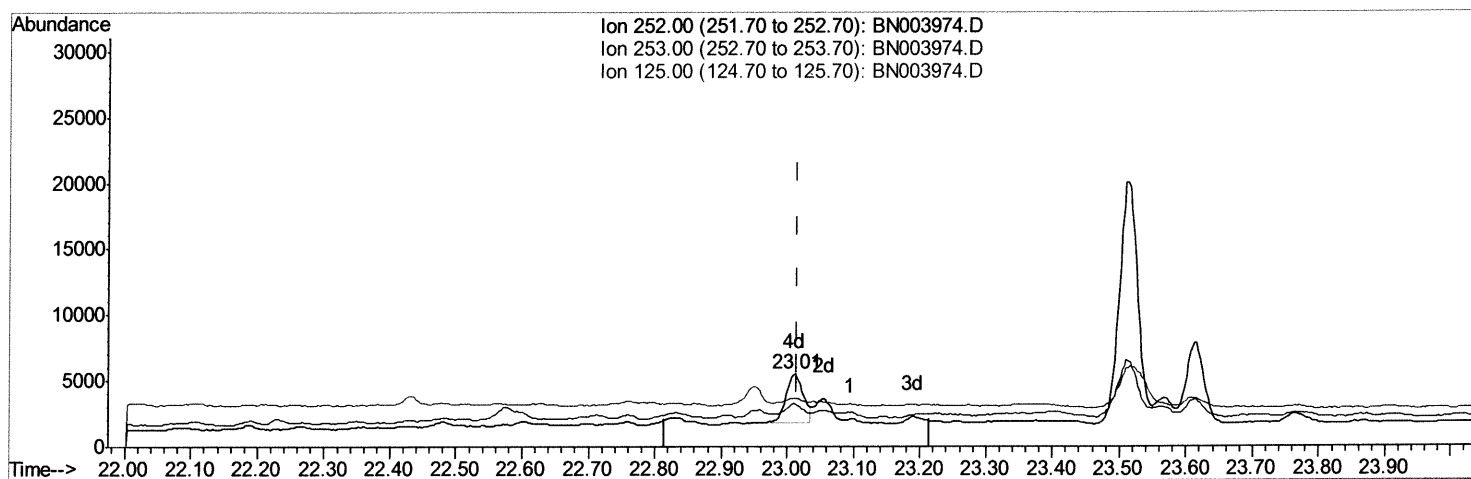
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:14:13 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: BN003974.D

(21) Benzo(b)fluoranthene

23.010min (-0.004) 0.09ng/ul m SJ 12/17/18

response 6489

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 23.00 | 59.26# |
| 125.00 | 11.20 | 66.31# |
| 0.00   | 0.00  | 0.00   |



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

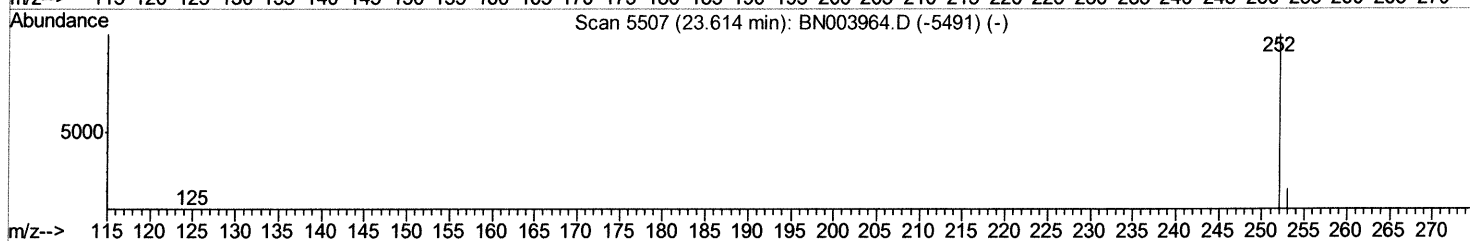
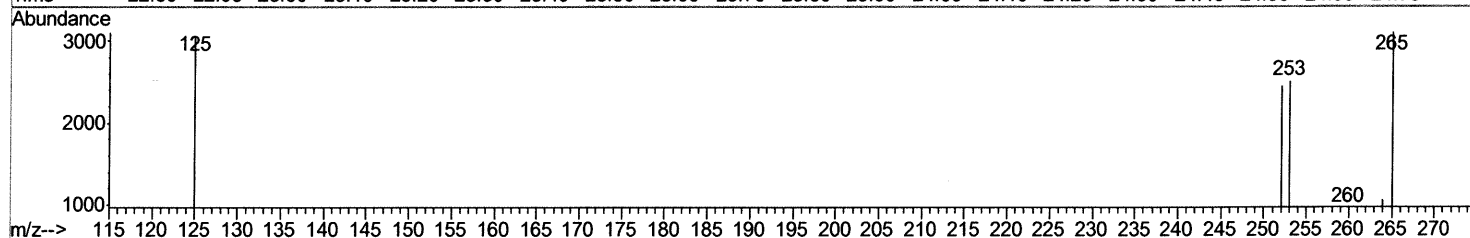
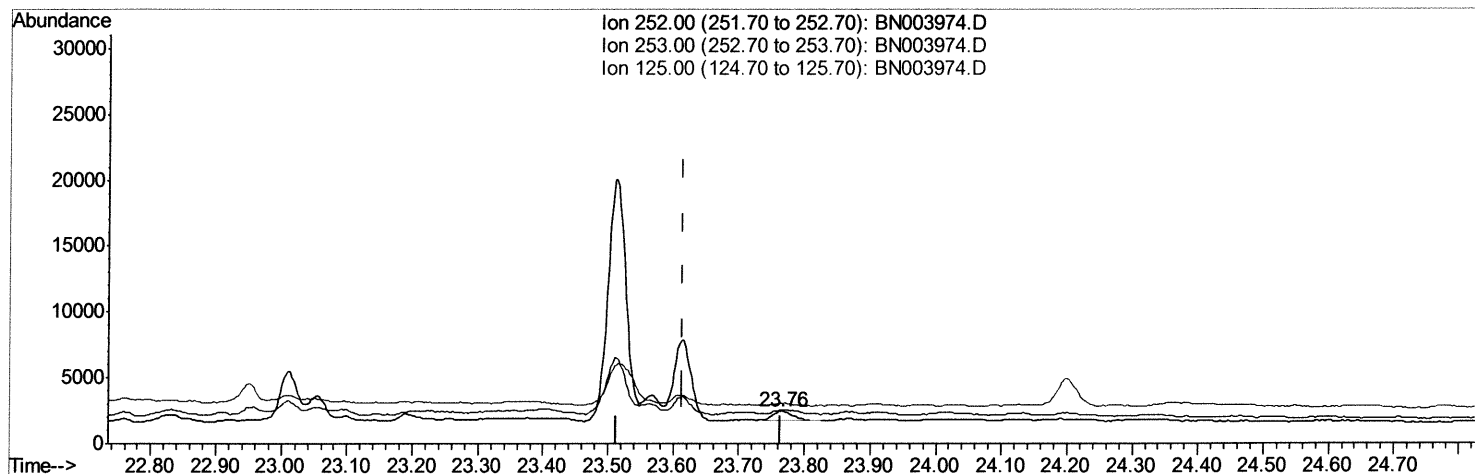
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:14:13 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: BN003974.D

(23) Benzo(a)pyrene (C)

23.764min (+0.151) 0.03ng/ul

response 1605

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 23.70 | 102.37# |
| 125.00 | 12.80 | 124.63# |
| 0.00   | 0.00  | 0.00    |



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

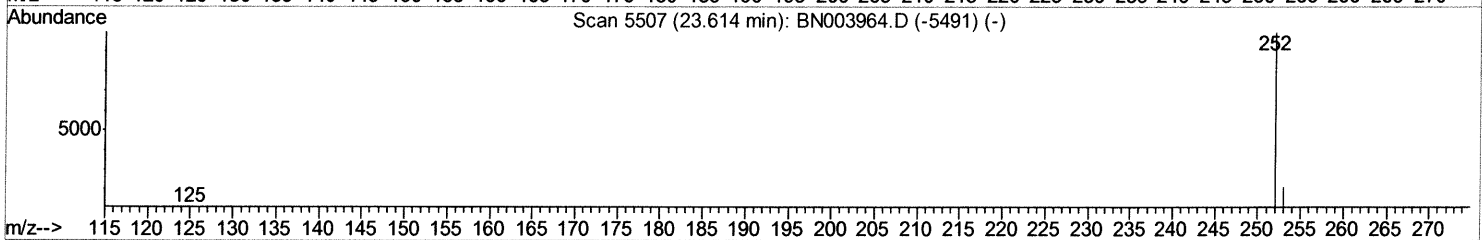
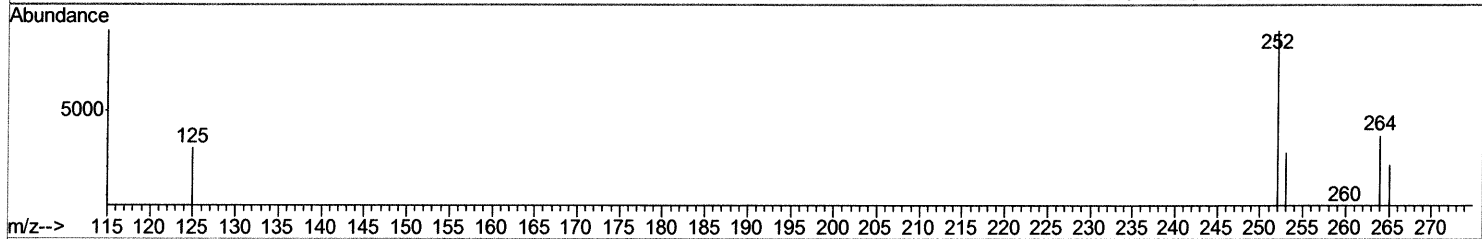
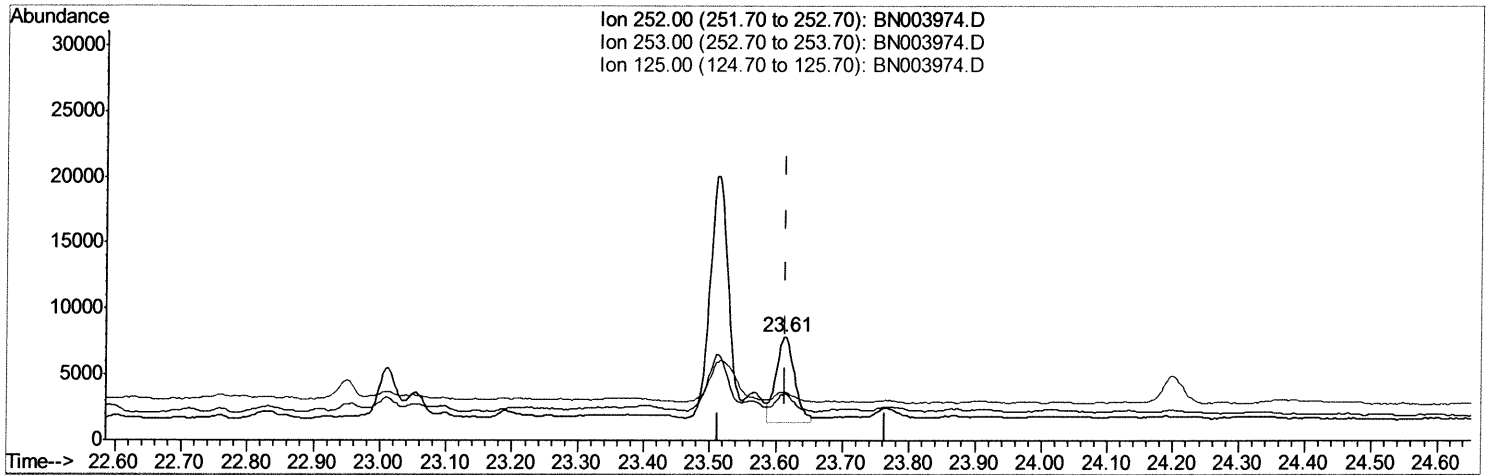
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:14:13 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: BN003974.D

(23) Benzo(a)pyrene (C)

23.612min (-0.001) 0.21ng/ul m

response 12720

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 23.70 | 44.60# |
| 125.00 | 12.80 | 46.75# |
| 0.00   | 0.00  | 0.00   |

SJ 12/17/18

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

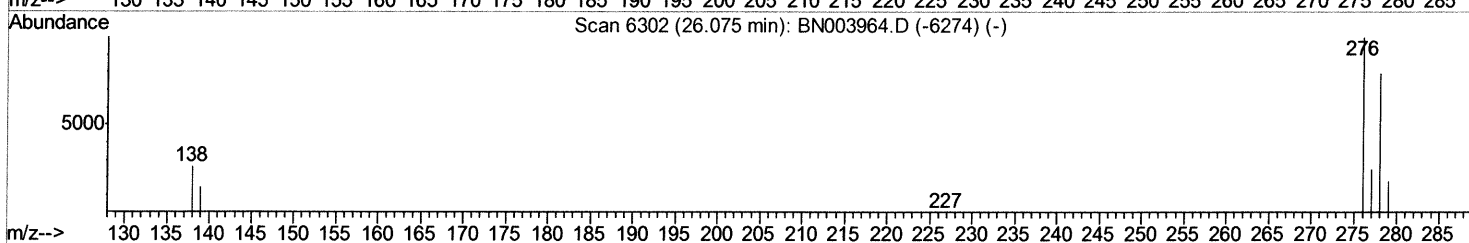
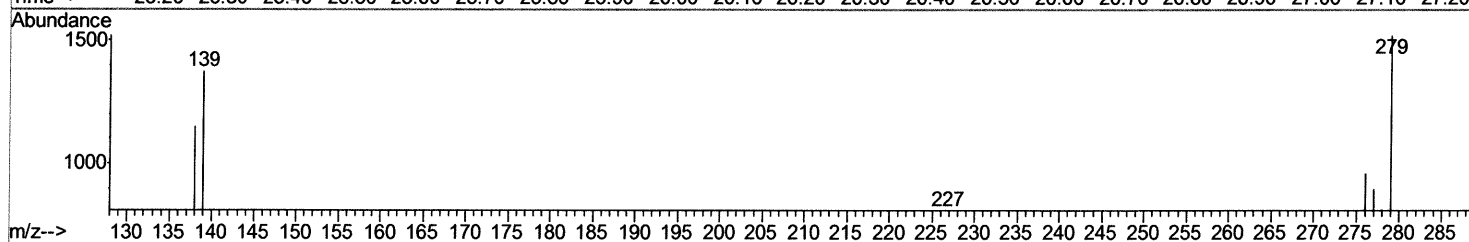
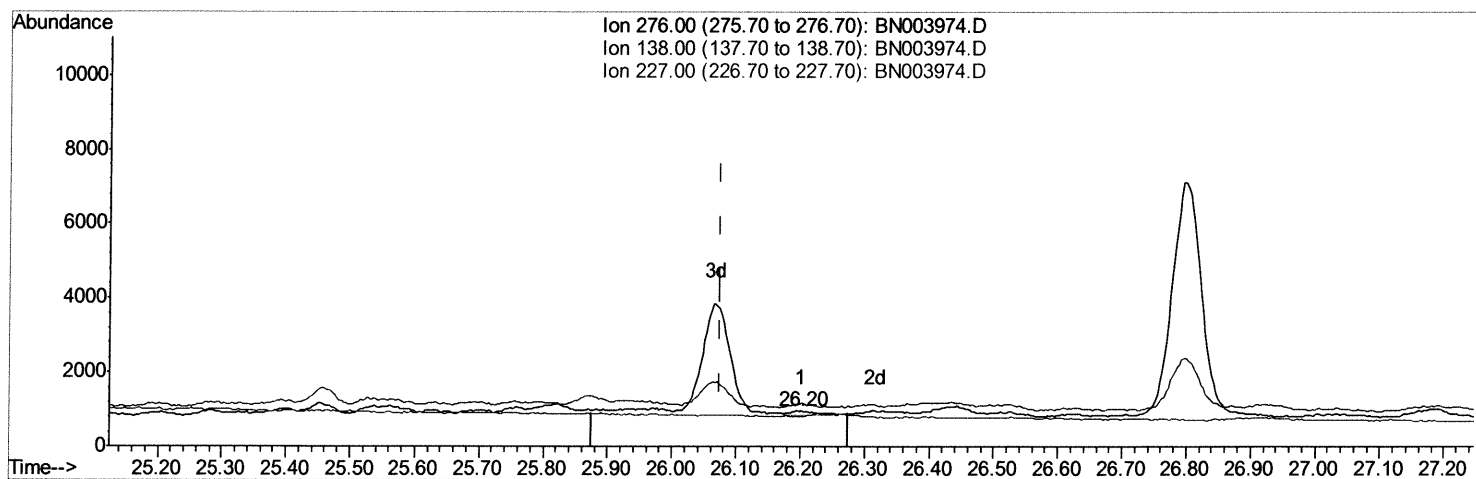
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:14:13 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: BN003974.D

(24) Indeno(1,2,3-cd)pyrene

26.201min (+0.126) 0.00ng/ul

response 328

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 25.40 | 72.26# |
| 227.00 | 0.20  | 0.00#  |
| 0.00   | 0.00  | 0.00   |

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

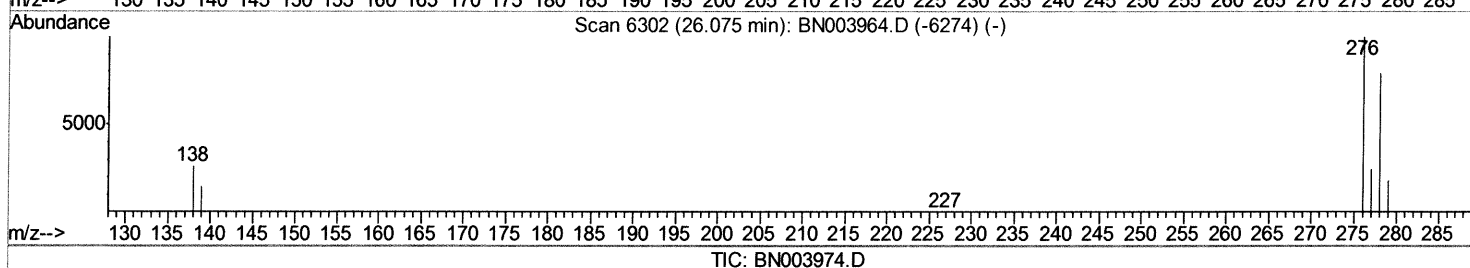
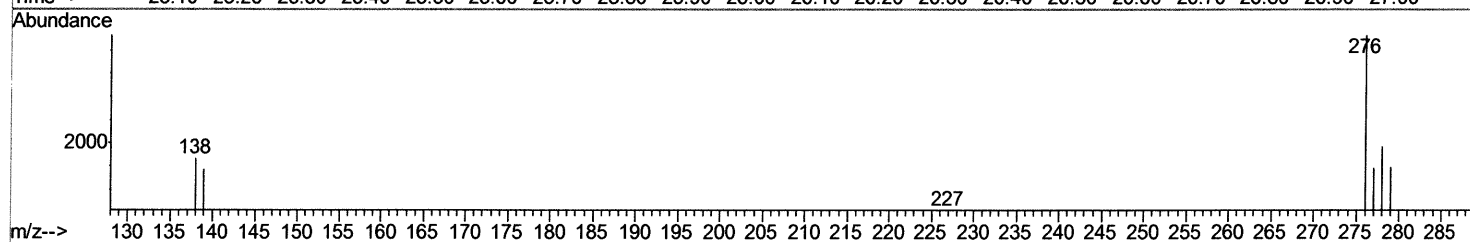
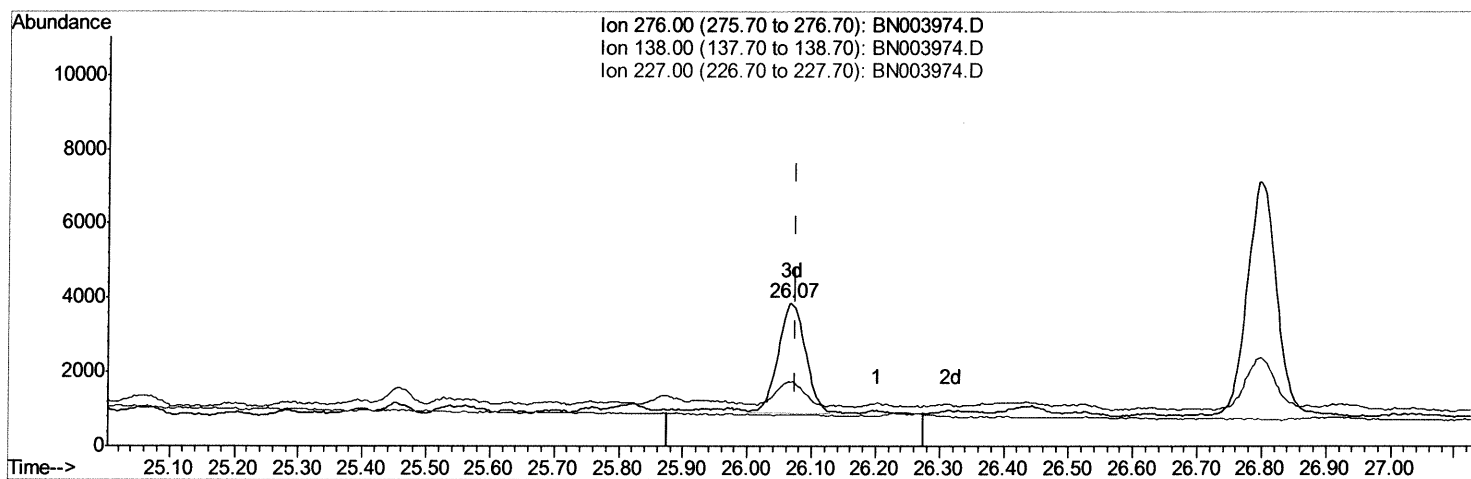
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:14:13 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



(24) Indeno(1,2,3-cd)pyrene

26.067min (-0.008) 0.13ng/ul m

SD 12/17/18

response 8711

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 25.40 | 2.72# |
| 227.00 | 0.20  | 0.00# |
| 0.00   | 0.00  | 0.00  |

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

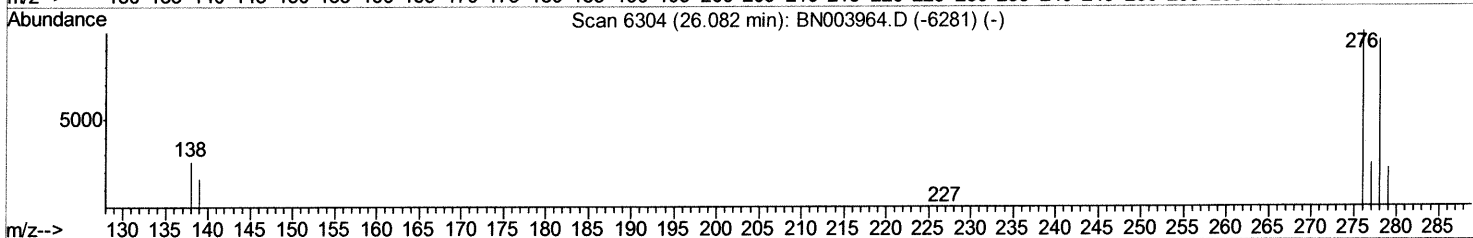
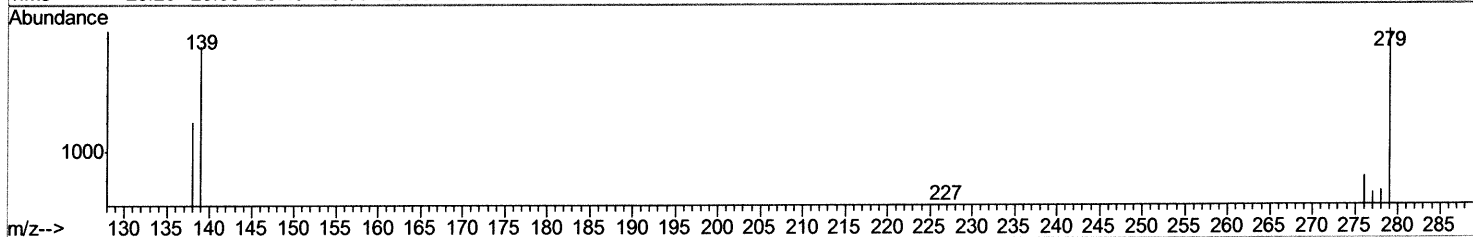
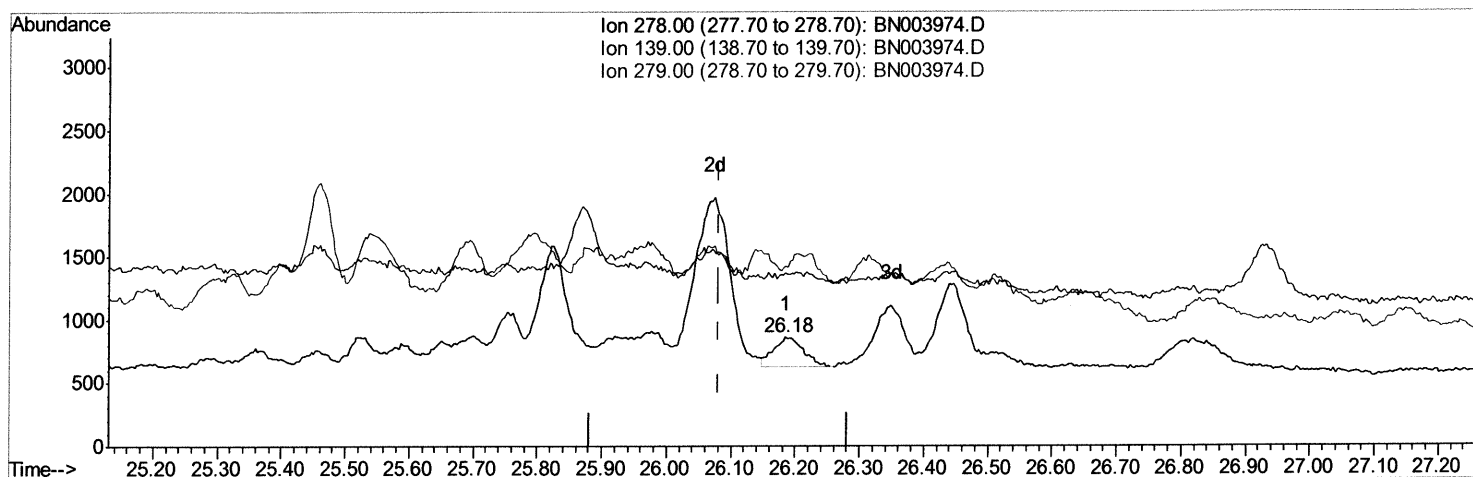
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:14:13 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: BN003974.D

(25) Dibenzo(a,h)anthracene

26.185min (+0.102) 0.01ng/ul

response 768

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 17.80 | 159.23# |
| 279.00 | 24.70 | 165.51# |
| 0.00   | 0.00  | 0.00    |

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

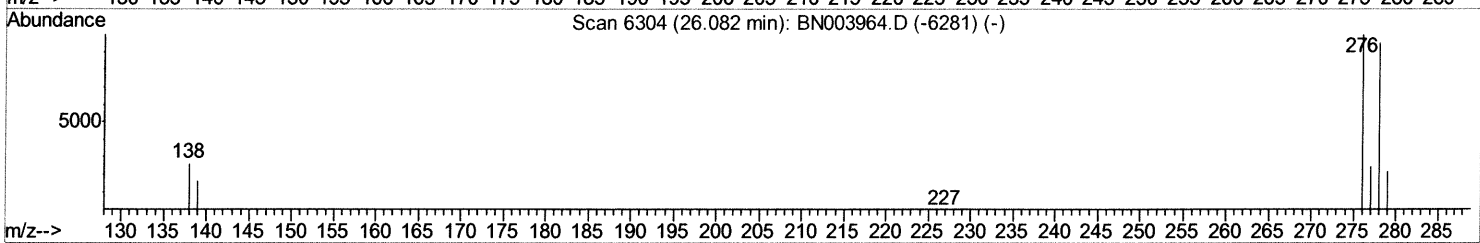
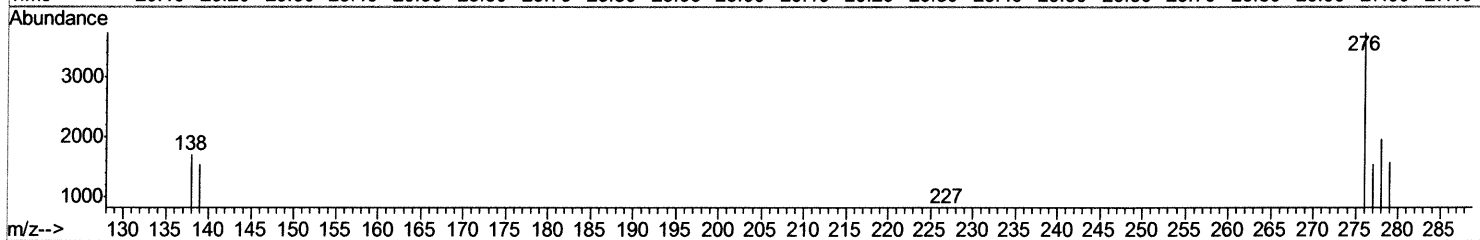
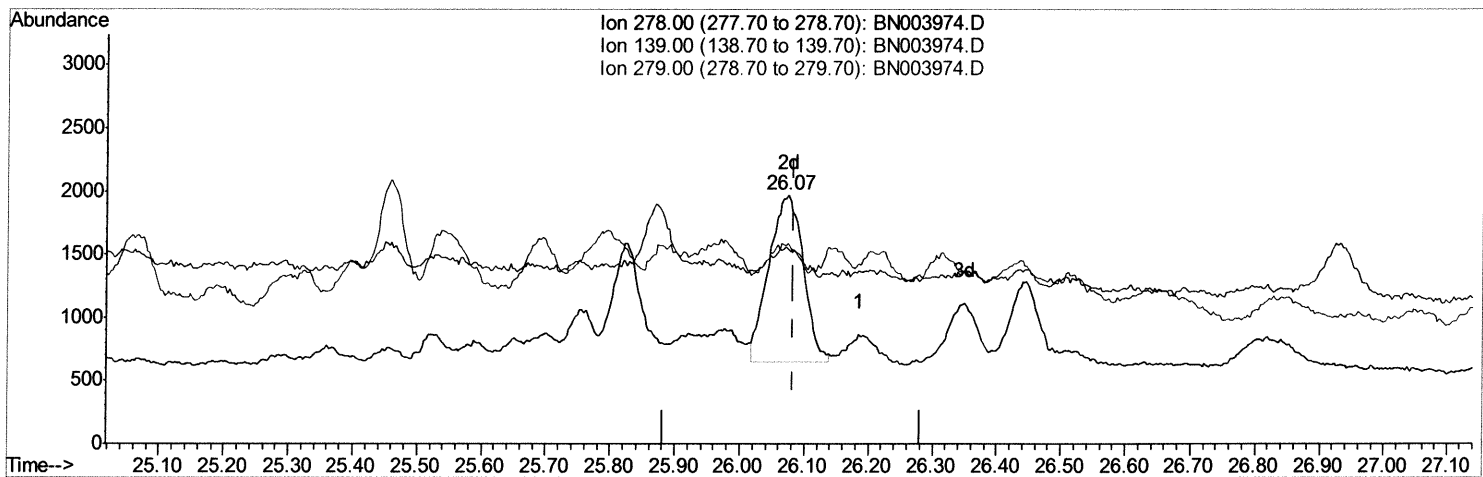
Data File : BN003974.D  
Acq On : 16 Dec 2018 00:33  
Operator : JU/SJ  
Sample : J6171-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y27

Manual Integrations  
APPROVED

Sohil  
12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:14:13 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: BN003974.D

(25) Dibenzo(a,h)anthracene

26.074min (-0.008) 0.09ng/ul m

SD 12/12/18

response 4904

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 17.80 | 78.22# |
| 279.00 | 24.70 | 80.71# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121518\  
 Quantitation Report (QT Reviewed)  
 Data File : BN003974.D  
 Acq On : 16 Dec 2018 00:33  
 Operator : JU/SJ  
 Sample : J6171-17  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9Y27

Manual Integrations  
 APPROVED

Sohil  
 12/17/2018 4:24:04 PM

Quant Time: Dec 16 02:15:59 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  | 1783     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.63 | 136  | 8903     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.47 | 164  | 6005     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.22 | 188  | 14680m   | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.40 | 240  | 18008m   | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.71 | 264  | 16628m   | 0.40 | ng/ul | 0.00     |

|                             |       |     |        |      |       |      |
|-----------------------------|-------|-----|--------|------|-------|------|
| System Monitoring Compounds |       |     |        |      |       |      |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152 | 3455   | 0.25 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 19.24 | 212 | 12163m | 0.28 | ng/ul | 0.00 |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.68 | 128  | 1672     | 0.067 | ng/ul# | 79     |
| 5) 2-Methylnaphthalene     | 12.29 | 142  | 1700     | 0.097 | ng/ul  | 98     |
| 7) Acenaphthylene          | 14.20 | 152  | 1104     | 0.041 | ng/ul# | 16     |
| 9) Fluorene                | 15.52 | 166  | 907      | 0.033 | ng/ul# | 56     |
| 12) Phenanthrene           | 17.26 | 178  | 14173m   | 0.294 | ng/ul  |        |
| 13) Anthracene             | 17.35 | 178  | 2552m    | 0.064 | ng/ul  |        |
| 15) Fluoranthene           | 19.27 | 202  | 5148m    | 0.090 | ng/ul  |        |
| 17) Pyrene                 | 19.64 | 202  | 26441m   | 0.409 | ng/ul  |        |
| 18) Benzo(a)anthracene     | 21.38 | 228  | 11255m   | 0.198 | ng/ul  |        |
| 19) Chrysene               | 21.43 | 228  | 12236m   | 0.188 | ng/ul  |        |
| 21) Benzo(b)fluoranthene   | 23.01 | 252  | 6489m    | 0.094 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.61 | 252  | 12720m   | 0.214 | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 26.07 | 276  | 8711m    | 0.128 | ng/ul  |        |
| 25) Dibenzo(a,h)anthracene | 26.07 | 278  | 4904m    | 0.089 | ng/ul  |        |
| 26) Benzo(g,h,i)perylene   | 26.80 | 276  | 20049    | 0.338 | ng/ul# | 80     |

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

SD 12/17/18

SD 12/17/18