

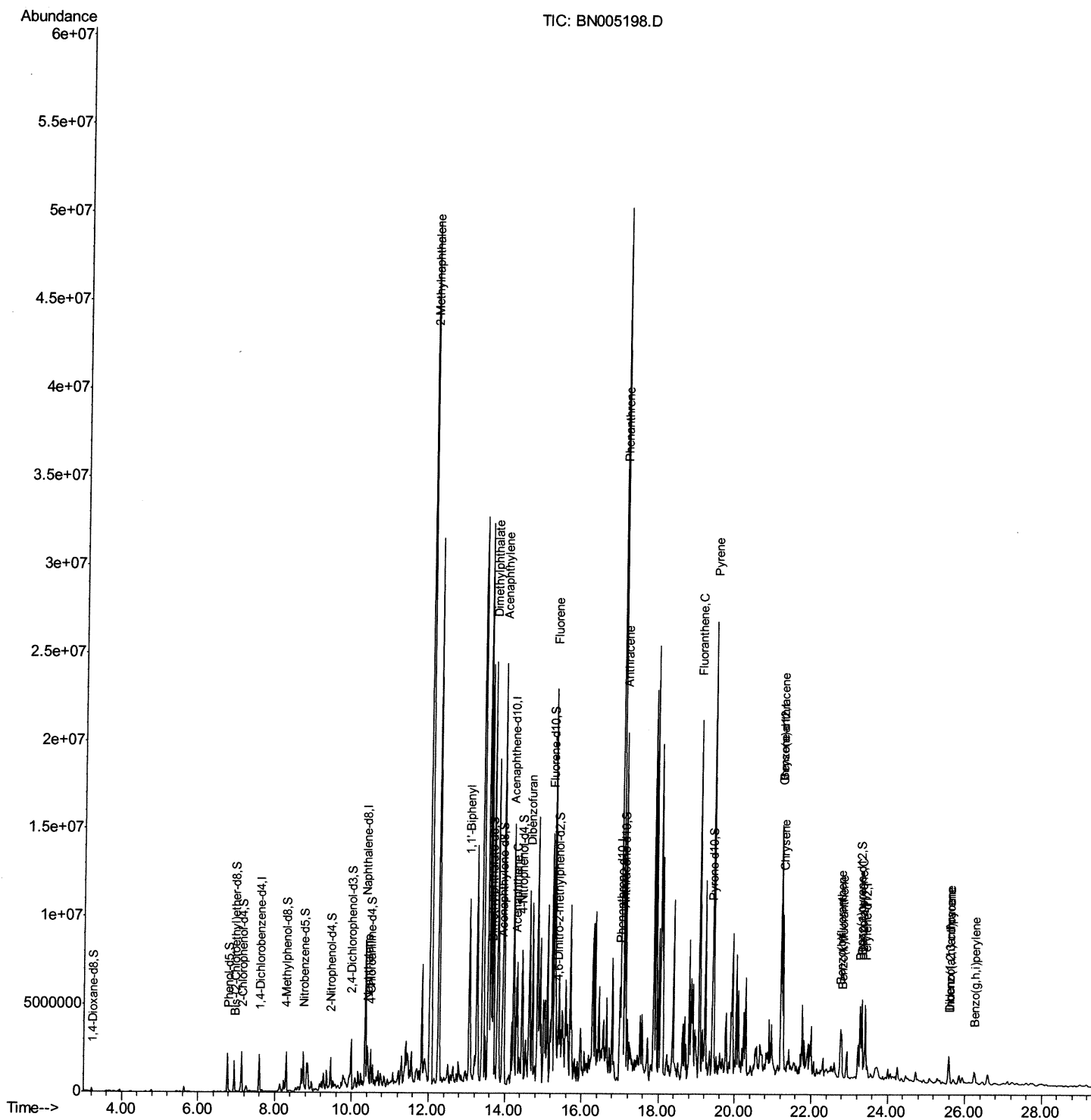
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
Data File : BN005198.D  
Acq On : 23 Apr 2019 05:38  
Operator : JU/SJ  
Sample : K2455-10  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHR0

Manual Integrations  
APPROVED

Sohil  
4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:10:34 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Apr 23 03:50:45 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

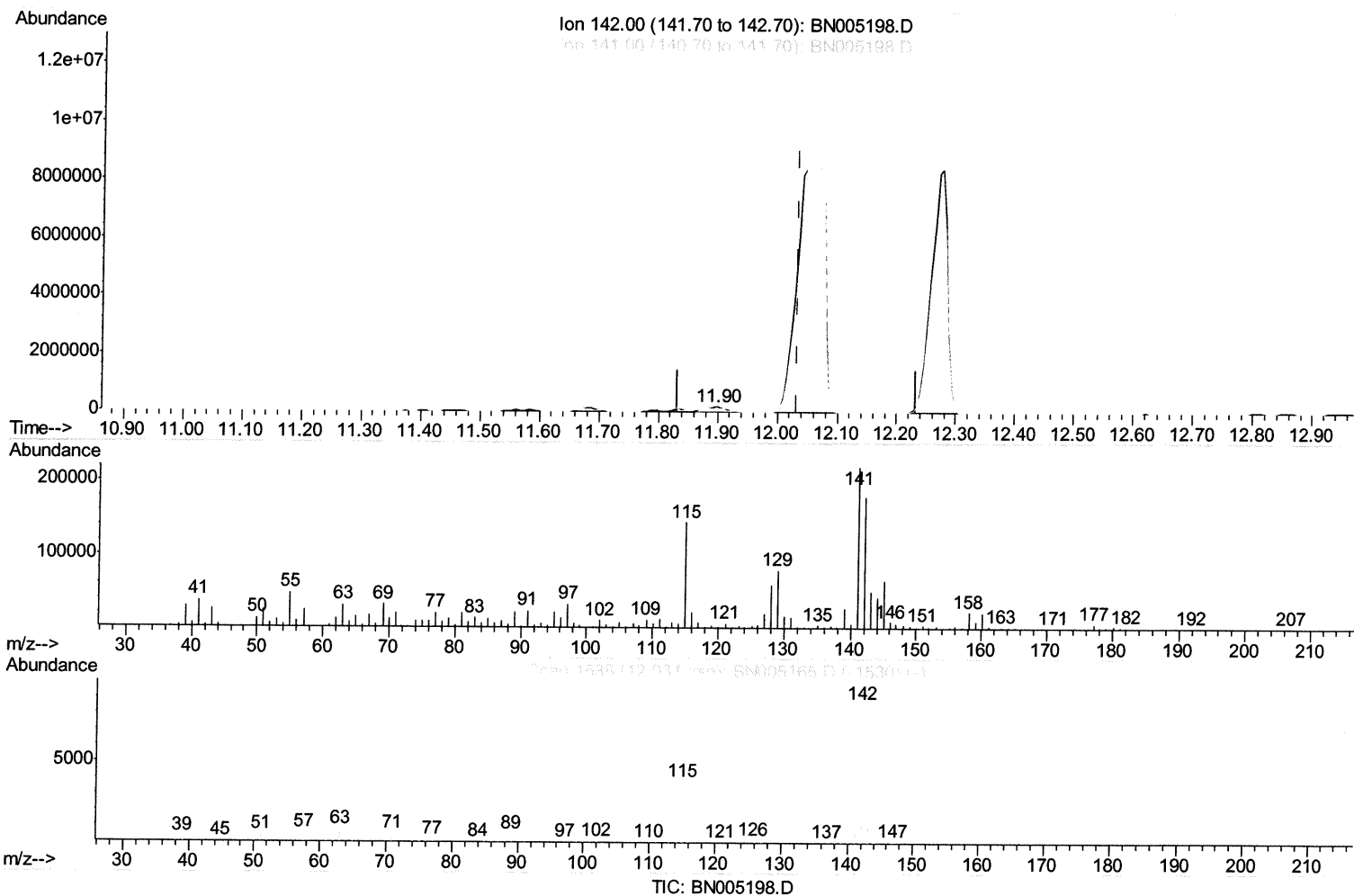
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
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 ClientSampled :  
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Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:07:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 23 03:50:45 2019  
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(34) 2-Methylnaphthalene

11.899min (-0.135) 4.53ng/ul

response 441166

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 142.00 | 100   | 100     |
| 141.00 | 90.00 | 122.98# |
| 0.00   | 0.00  | 0.00    |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

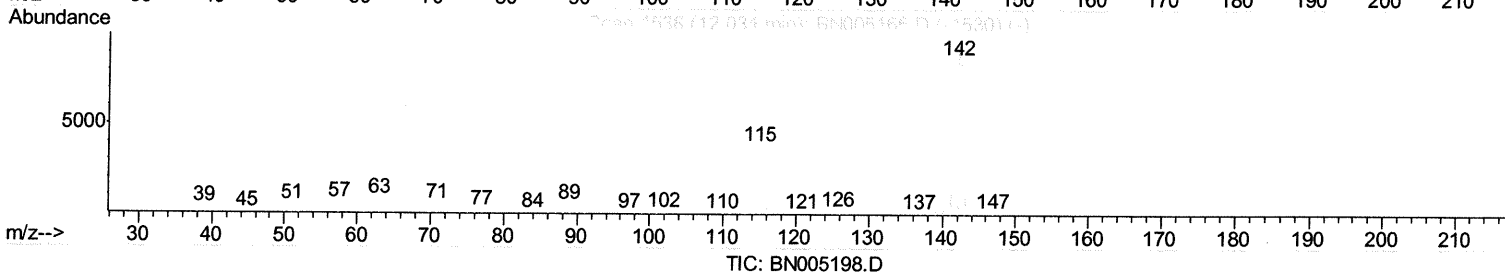
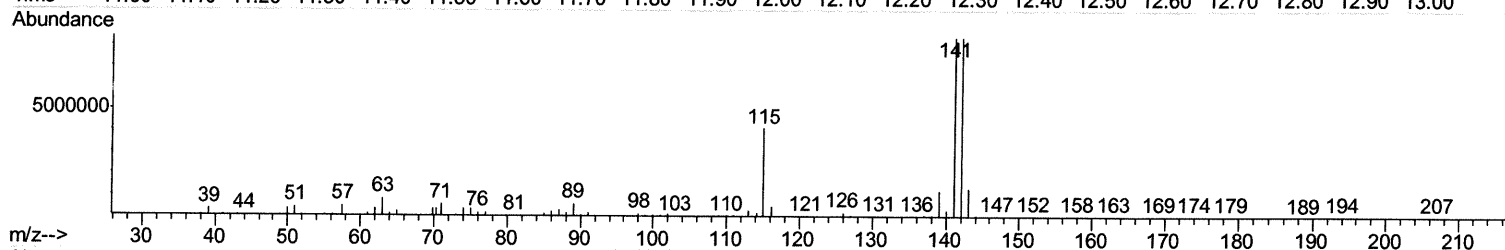
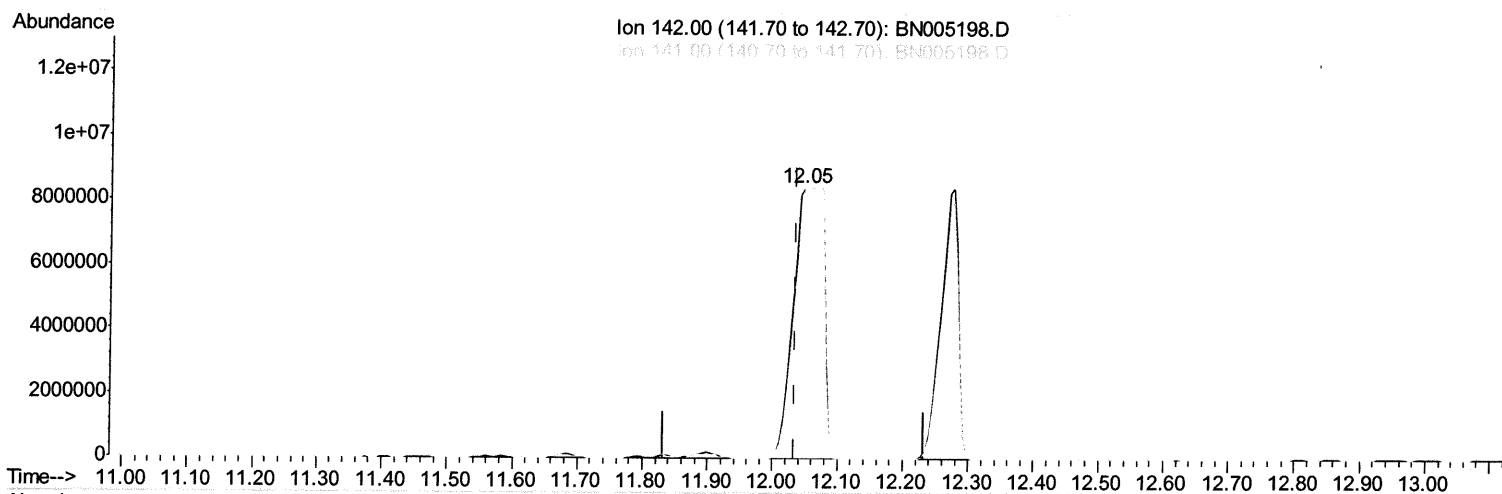
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
 Data File : BN005198.D  
 Acq On : 23 Apr 2019 05:38  
 Operator : JU/SJ  
 Sample : K2455-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:07:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 23 03:50:45 2019  
 Response via : Initial Calibration



(34) 2-Methylnaphthalene

12.046min (+0.012) 277.66ng/ul m *SJ 04/30/19*

response 27029594

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 142.00 | 100   | 100    |
| 141.00 | 90.00 | 100.00 |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

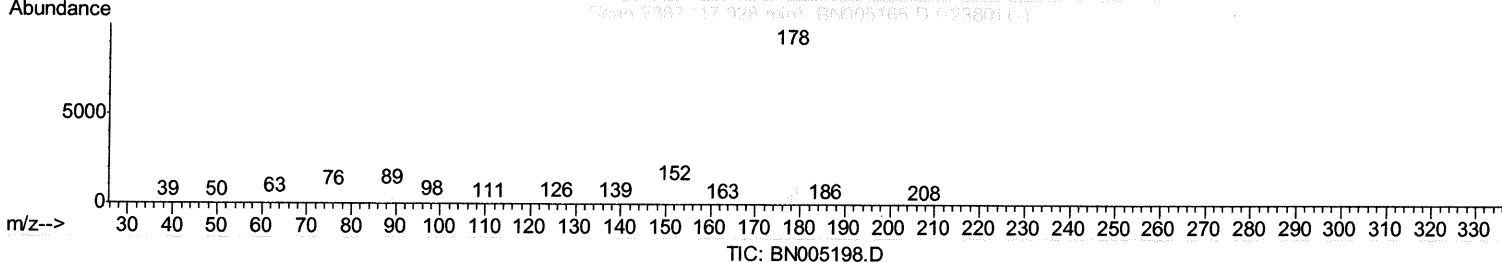
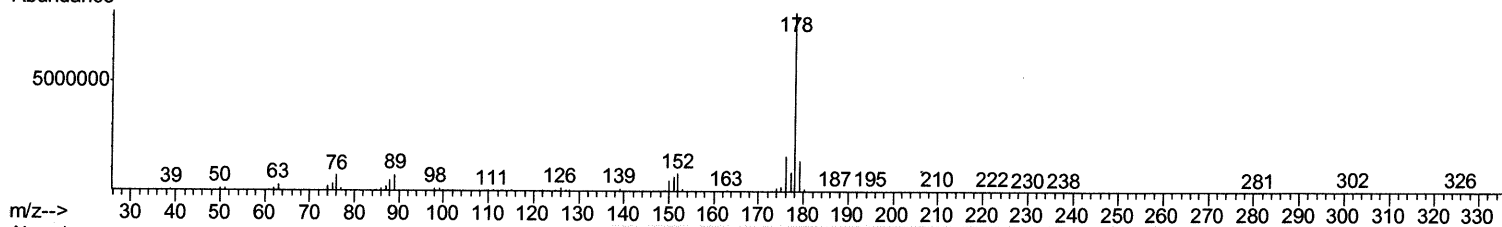
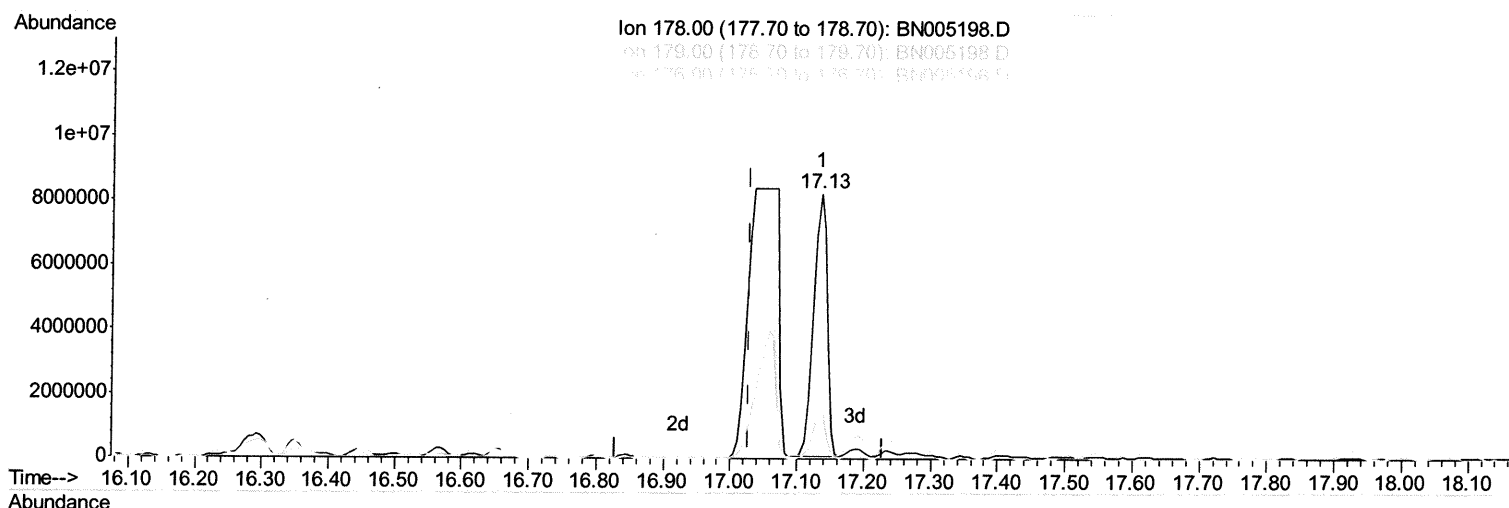
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
Data File : BN005198.D  
Acq On : 23 Apr 2019 05:38  
Operator : JU/SJ  
Sample : K2455-10  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

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Manual Integrations  
APPROVED

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4/23/2019 4:19:54 PM

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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



(69) Phenanthrene

17.134min (+0.106) 59.91ng/ul

response 11596267

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.30 | 16.85 |
| 176.00 | 18.90 | 20.04 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

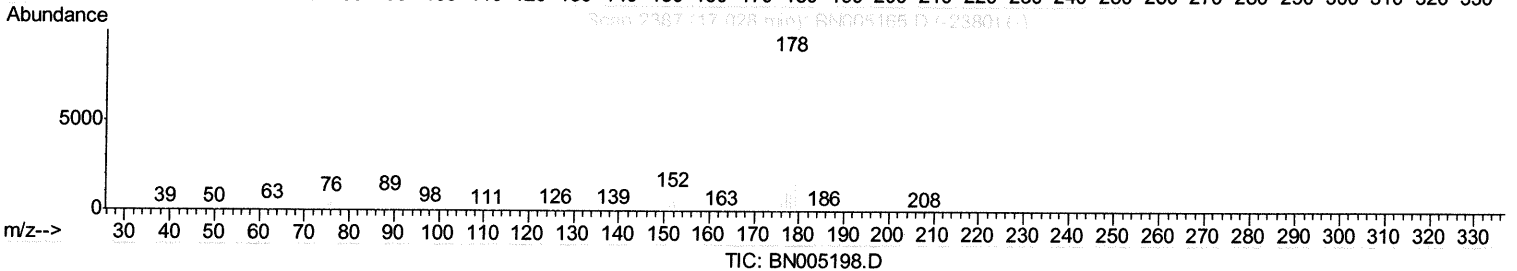
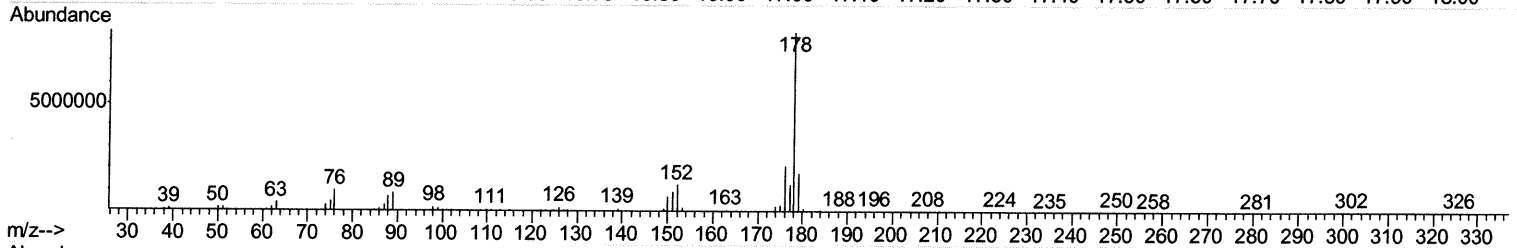
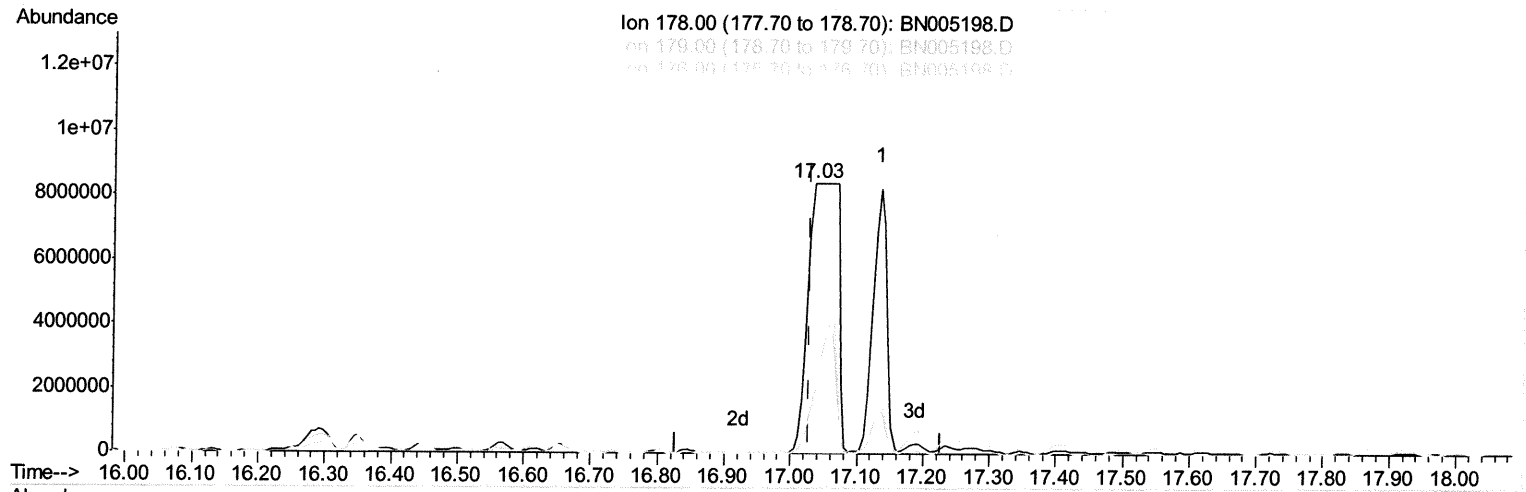
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
 Data File : BN005198.D  
 Acq On : 23 Apr 2019 05:38  
 Operator : JU/SJ  
 Sample : K2455-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:07:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 23 03:50:45 2019  
 Response via : Initial Calibration



(69) Phenanthrene

17.034min (+0.006) 134.89ng/ul m SJ 04/30/19

response 26110858

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.30 | 21.53# |
| 176.00 | 18.90 | 25.18# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

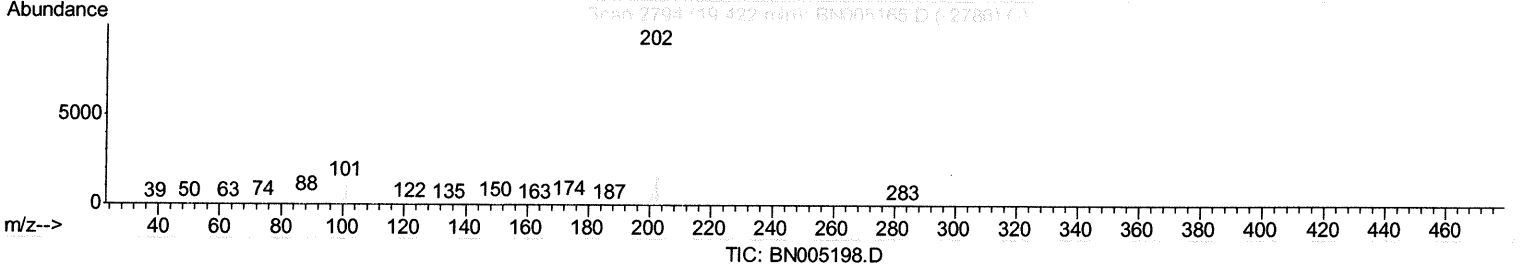
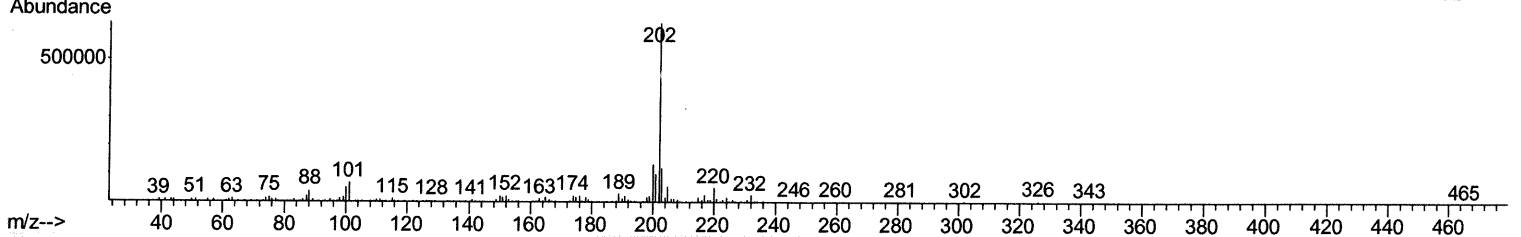
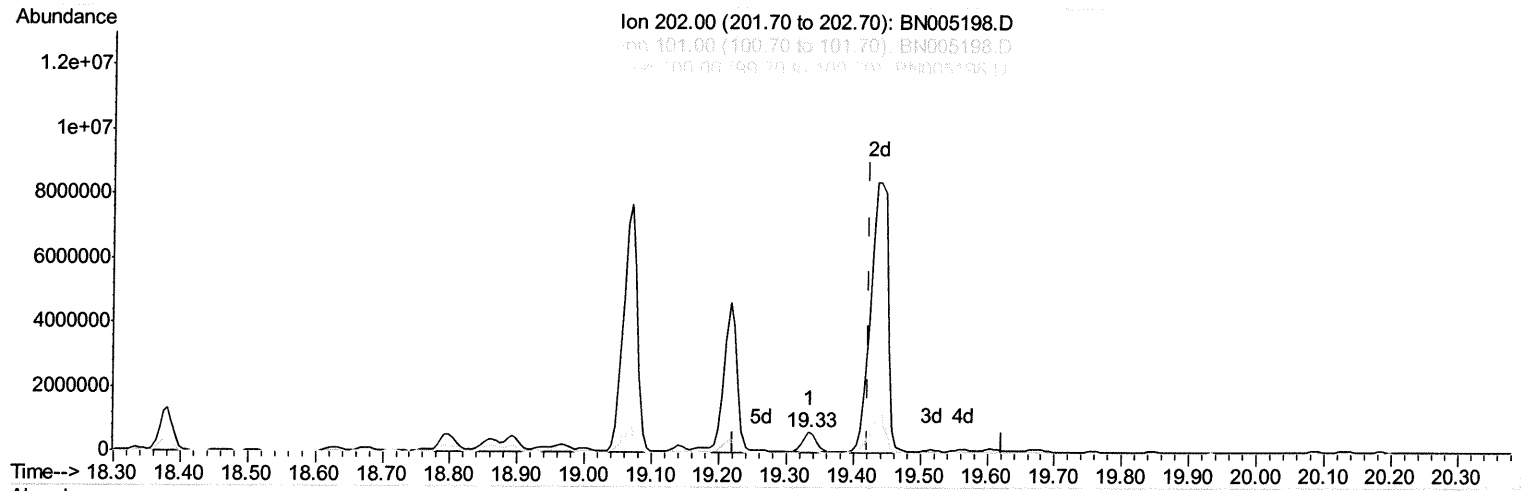
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
 Data File : BN005198.D  
 Acq On : 23 Apr 2019 05:38  
 Operator : JU/SJ  
 Sample : K2455-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHR0

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:07:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 23 03:50:45 2019  
 Response via : Initial Calibration



(79) Pyrene

19.334min (-0.088) 4.79ng/ul

response 855809

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.90 | 10.74 |
| 100.00 | 9.90  | 8.27  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

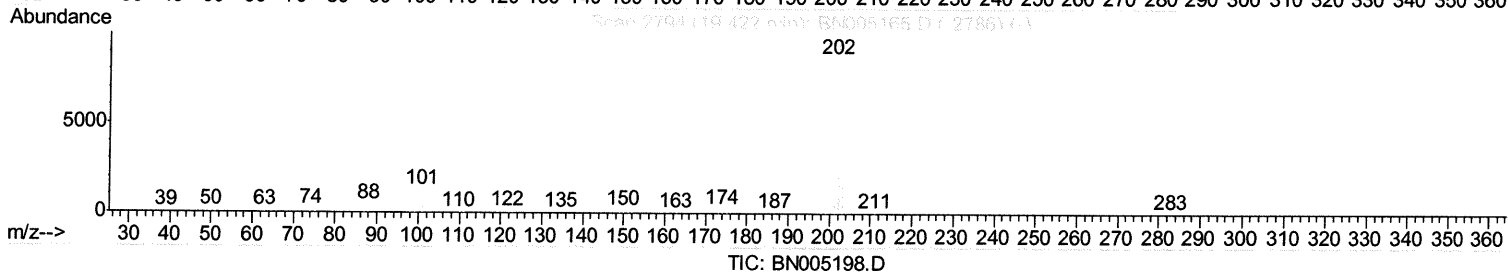
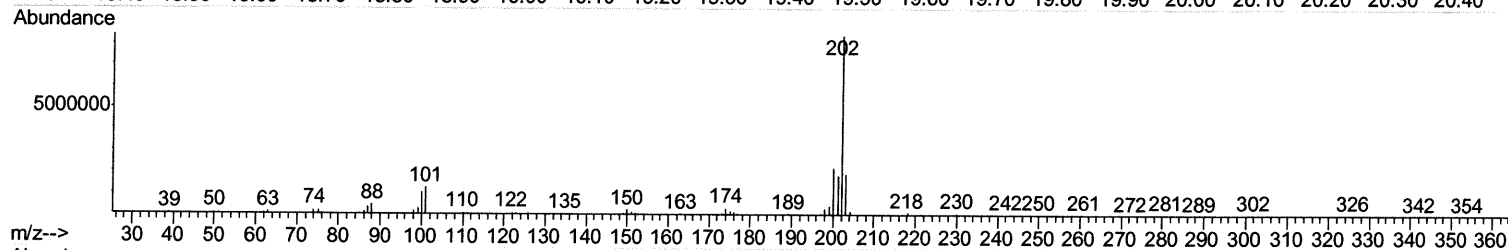
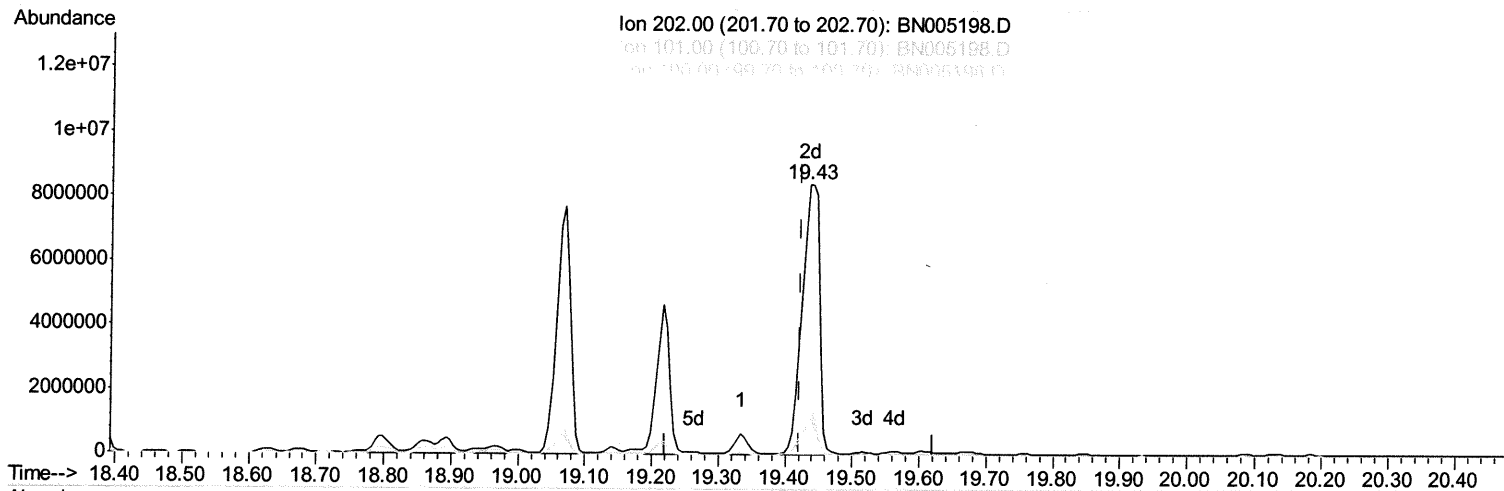
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
 Data File : BN005198.D  
 Acq On : 23 Apr 2019 05:38  
 Operator : JU/SJ  
 Sample : K2455-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHR0

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:07:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 23 03:50:45 2019  
 Response via : Initial Calibration



(79) Pyrene

19.434min (+0.012) 84.33ng/ul m *SJ 04/30/19*

response 15052906

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 12.90 | 14.92  |
| 100.00 | 9.90  | 12.33# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

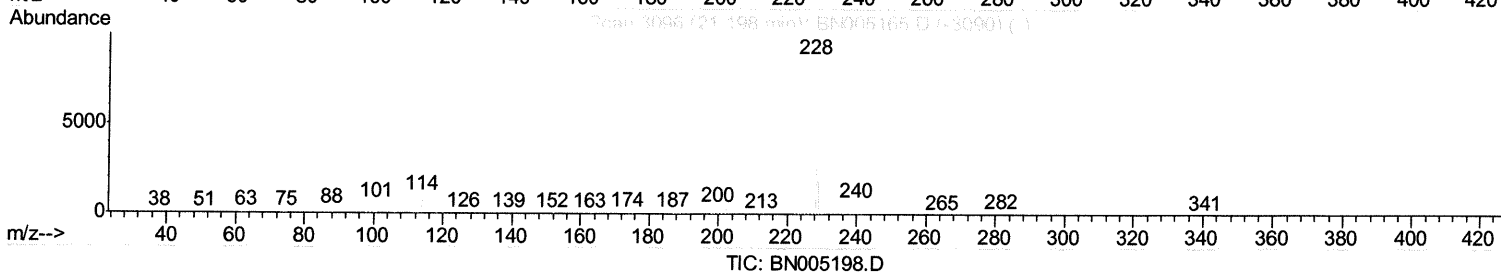
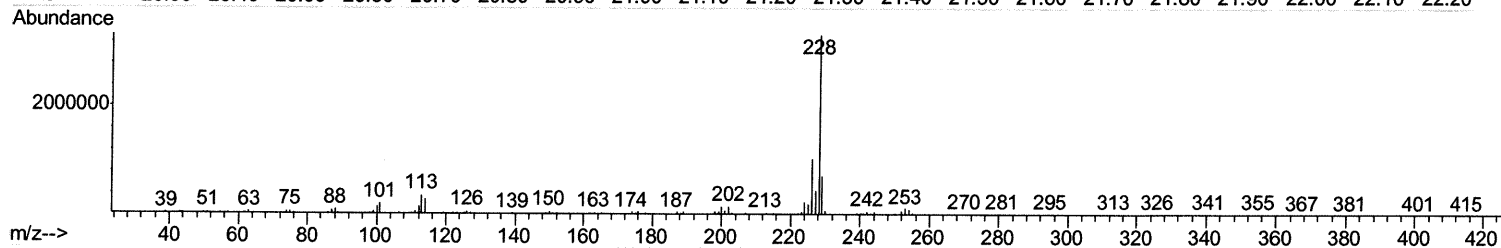
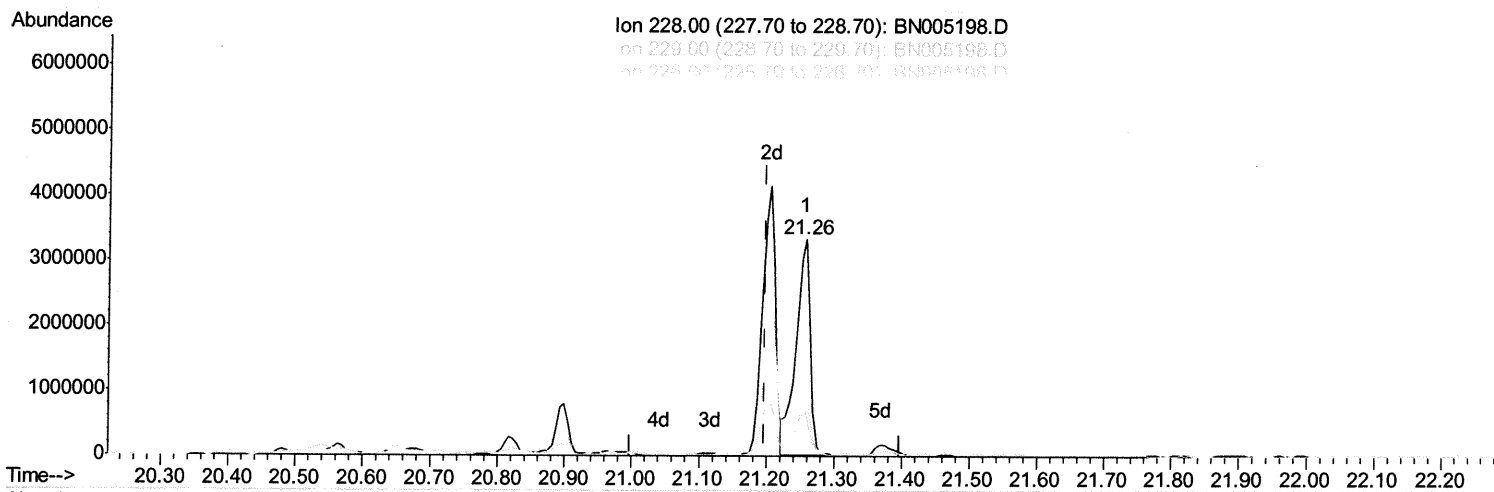
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
 Data File : BN005198.D  
 Acq On : 23 Apr 2019 05:38  
 Operator : JU/SJ  
 Sample : K2455-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Manual Integrations  
 APPROVED

Sohil  
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Quant Time: Apr 23 07:07:08 2019  
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 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.257min (+0.059) 27.92ng/ul

response 4814777

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.70 | 21.10 |
| 226.00 | 26.80 | 31.03 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

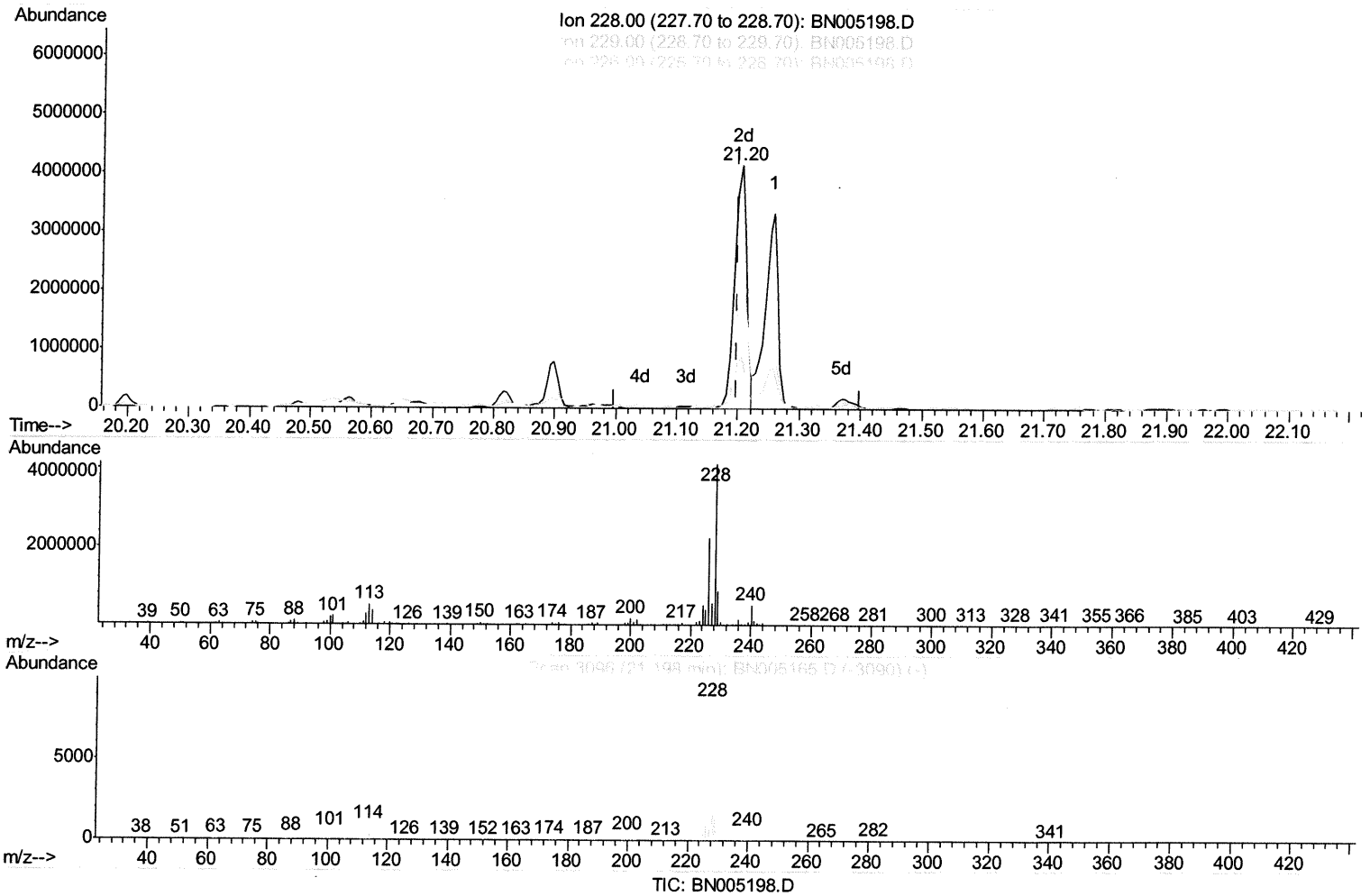
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
 Data File : BN005198.D  
 Acq On : 23 Apr 2019 05:38  
 Operator : JU/SJ  
 Sample : K2455-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHR0

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:07:08 2019  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 23 03:50:45 2019  
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.204min (+0.006) 32.71ng/ul m *SJ 04/30/19*

response 5640921

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.70 | 21.38  |
| 226.00 | 26.80 | 54.19# |
| 0.00   | 0.00  | 0.00   |



# Quantitation Report (Qedit)

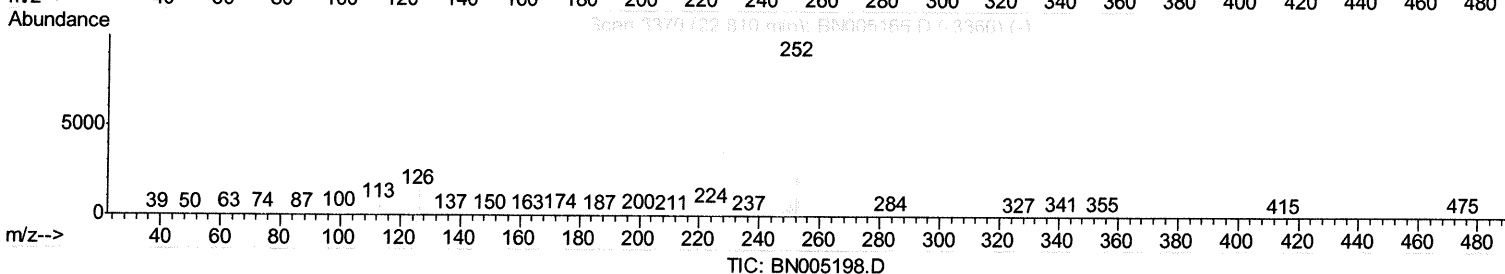
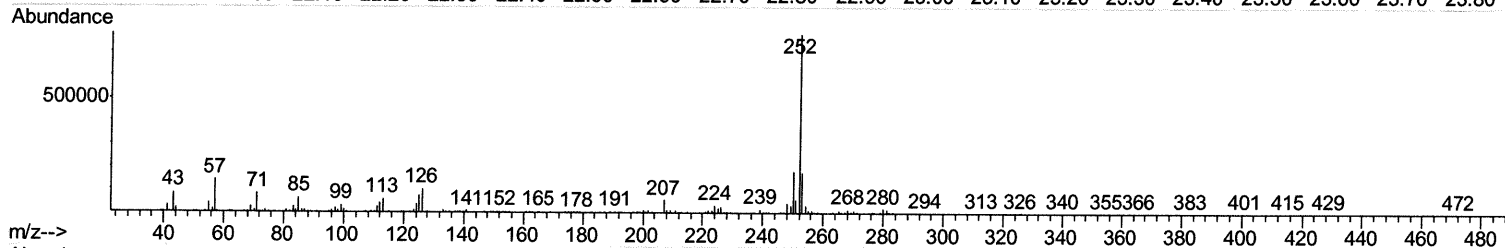
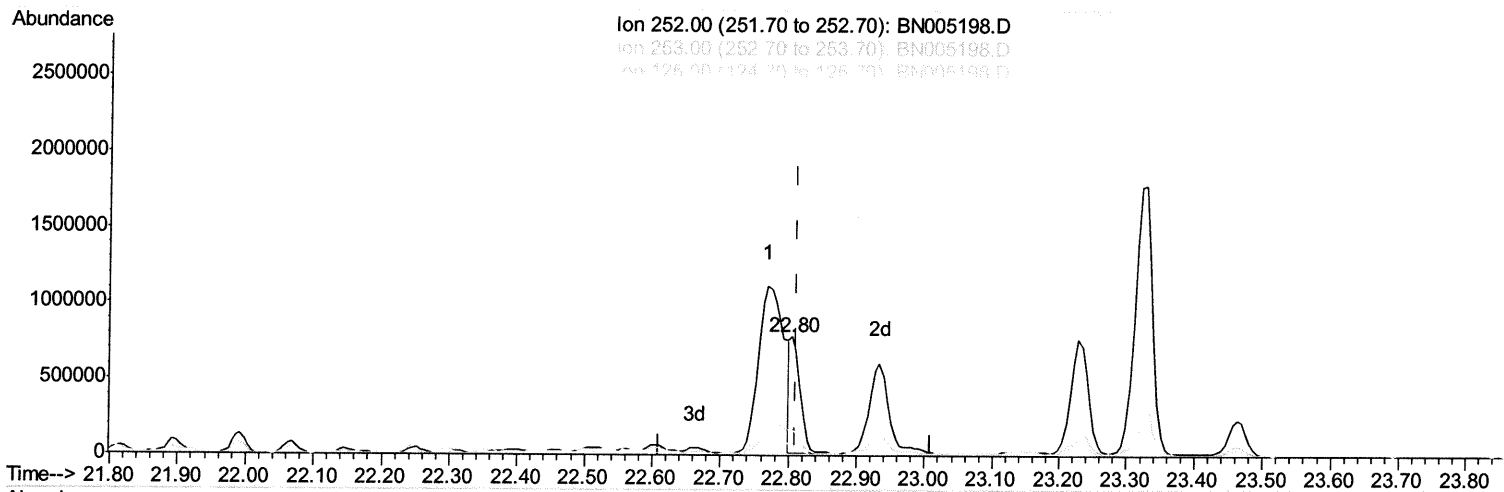
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
 Data File : BN005198.D  
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 Operator : JU/SJ  
 Sample : K2455-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHR0

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:07:08 2019  
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 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.804min (-0.006) 5.18ng/ul m SJ 04/30/19

response 797685

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.50 |
| 125.00 | 9.40  | 9.85  |
| 0.00   | 0.00  | 0.00  |

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 Sample : K2455-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHR0

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:10:34 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Apr 23 03:50:45 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 530872   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 2859903  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 1922799  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 3974745  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.22 | 240  | 2772337  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.42 | 264  | 2870101  | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 89659   | 8.15  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 1126717 | 27.02 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 743240  | 28.58 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 917066  | 28.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 789961  | 24.24 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 479304  | 27.23 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 517904  | 29.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 925780  | 22.63 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.50 | 131 | 1111259 | 26.34 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.66 | 166 | 2933445 | 21.02 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.93 | 160 | 3587490 | 20.93 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 422939  | 19.19 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.24 | 176 | 2376227 | 20.29 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 253910  | 14.20 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.10 | 188 | 3655643 | 21.94 | ng/ul | 0.01 |
| 78) Pyrene-d10                 | 19.40 | 212 | 3643931 | 25.69 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.28 | 264 | 2822965 | 22.51 | ng/ul | 0.00 |

#### Target Compounds

|                            |       |     |           |         | Qvalue |               |
|----------------------------|-------|-----|-----------|---------|--------|---------------|
| 28) Naphthalene            | 10.41 | 128 | 1520069   | 11.433  | ng/ul  | 99            |
| 34) 2-Methylnaphthalene    | 12.05 | 142 | 27029594m | 277.656 | ng/ul  | → SJ 04/30/19 |
| 40) 1,1'-Biphenyl          | 13.06 | 154 | 5188806   | 36.218  | ng/ul  | 100           |
| 44) Dimethylphthalate      | 13.70 | 163 | 555512    | 3.994   | ng/ul  | 99            |
| 47) Acenaphthylene         | 13.96 | 152 | 11566683  | 68.655  | ng/ul# | 92            |
| 49) Acenaphthene           | 14.30 | 153 | 1934629   | 16.820  | ng/ul  | 99            |
| 53) Dibenzofuran           | 14.64 | 168 | 2940943   | 17.760  | ng/ul  | 91            |
| 58) Fluorene               | 15.30 | 166 | 11759813  | 91.007  | ng/ul  | 98            |
| 69) Phenanthrene           | 17.03 | 178 | 26110858m | 134.887 | ng/ul  | → SJ 04/30/19 |
| 71) Anthracene             | 17.13 | 178 | 11596267  | 58.806  | ng/ul  | 97            |
| 76) Fluoranthene           | 19.07 | 202 | 11157304  | 51.964  | ng/ul  | 100           |
| 79) Pyrene                 | 19.43 | 202 | 15052906m | 84.329  | ng/ul  | → SJ 04/30/19 |
| 82) Benzo(a)anthracene     | 21.20 | 228 | 5640921m  | 32.707  | ng/ul  | → SJ 04/30/19 |
| 84) Chrysene               | 21.26 | 228 | 4847375   | 30.284  | ng/ul  | 97            |
| 87) Benzo(b)fluoranthene   | 22.77 | 252 | 2854268   | 17.691  | ng/ul  | 98            |
| 88) Benzo(k)fluoranthene   | 22.80 | 252 | 797685m   | 5.177   | ng/ul  | → SJ 04/30/19 |
| 90) Benzo(a)pyrene         | 23.33 | 252 | 3157505   | 20.821  | ng/ul  | 97            |
| 91) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 1103327   | 6.581   | ng/ul  | 97            |
| 92) Dibenzo(a,h)anthracene | 25.60 | 278 | 407428    | 2.863   | ng/ul  | 94            |
| 93) Benzo(g,h,i)perylene   | 26.25 | 276 | 802415    | 5.788   | ng/ul  | 98            |

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