

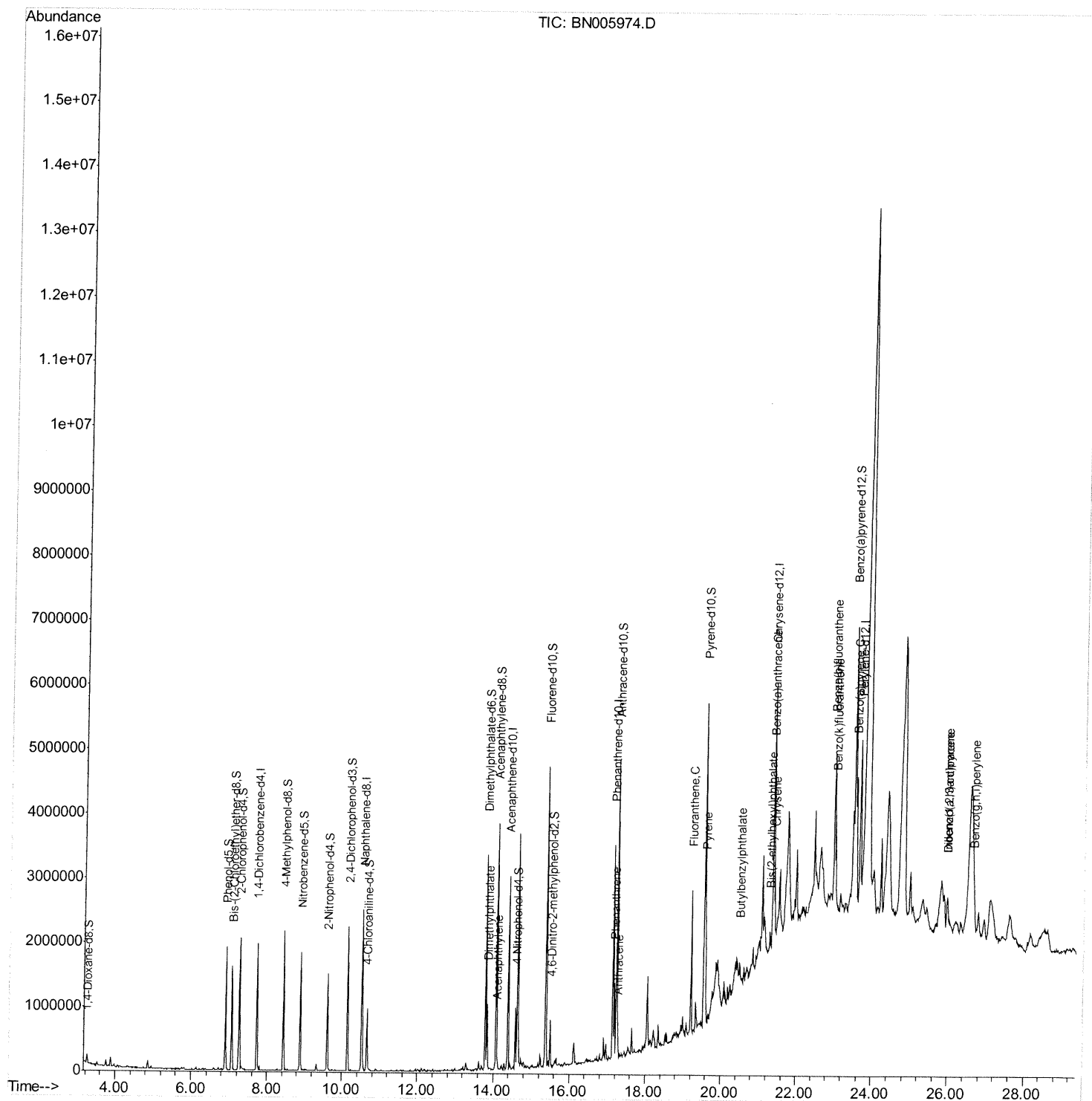
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053119\  
Data File : BN005975.D  
Acq On : 31 May 2019 10:59  
Operator : JU/SJ  
Sample : K2924-17  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4279

Manual Integrations  
APPROVED

mohammad  
6/5/2019 6:10:33 AM

Quant Time: May 31 14:12:23 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN052819MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 02:28:30 2019  
Response via : Initial Calibration



## Quantitation Report (Qedit)

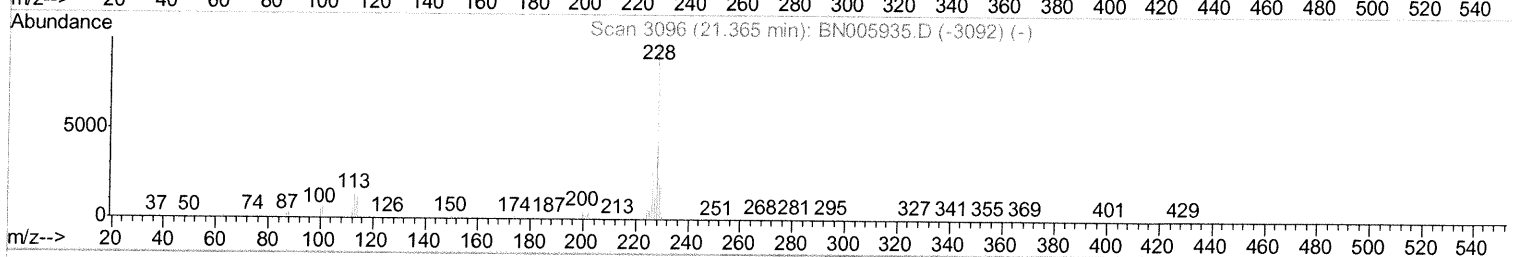
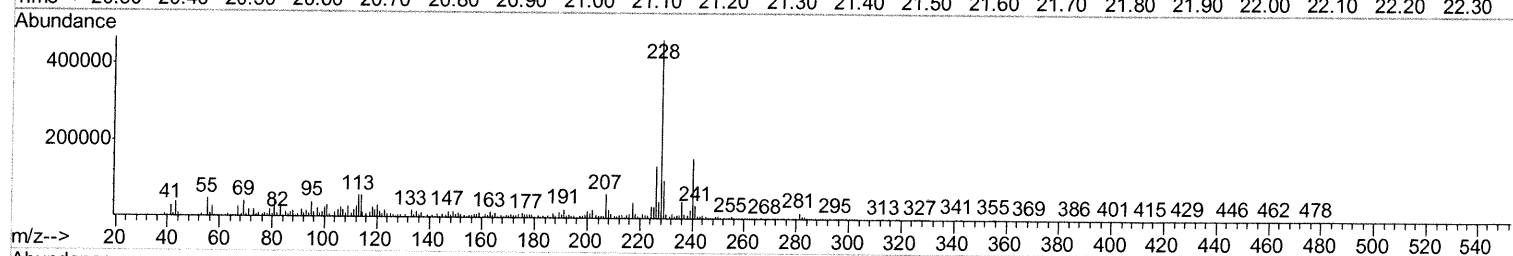
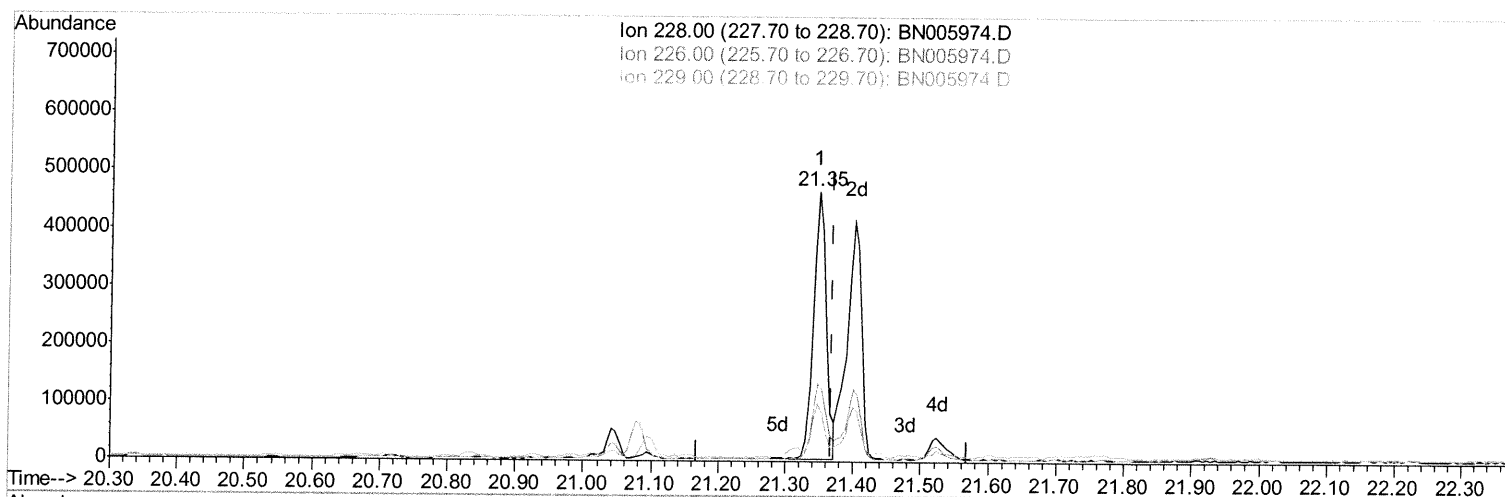
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053119\  
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6/5/2019 6:10:33 AM

Quant Time: May 31 14:10:05 2019  
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Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 02:28:30 2019  
Response via : Initial Calibration



TIC: BN005974.D

(84) Chrysene

21.347min (-0.022) 6.71ng/ul

response 610525

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 30.00 | 29.27 |
| 229.00 | 19.20 | 21.47 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

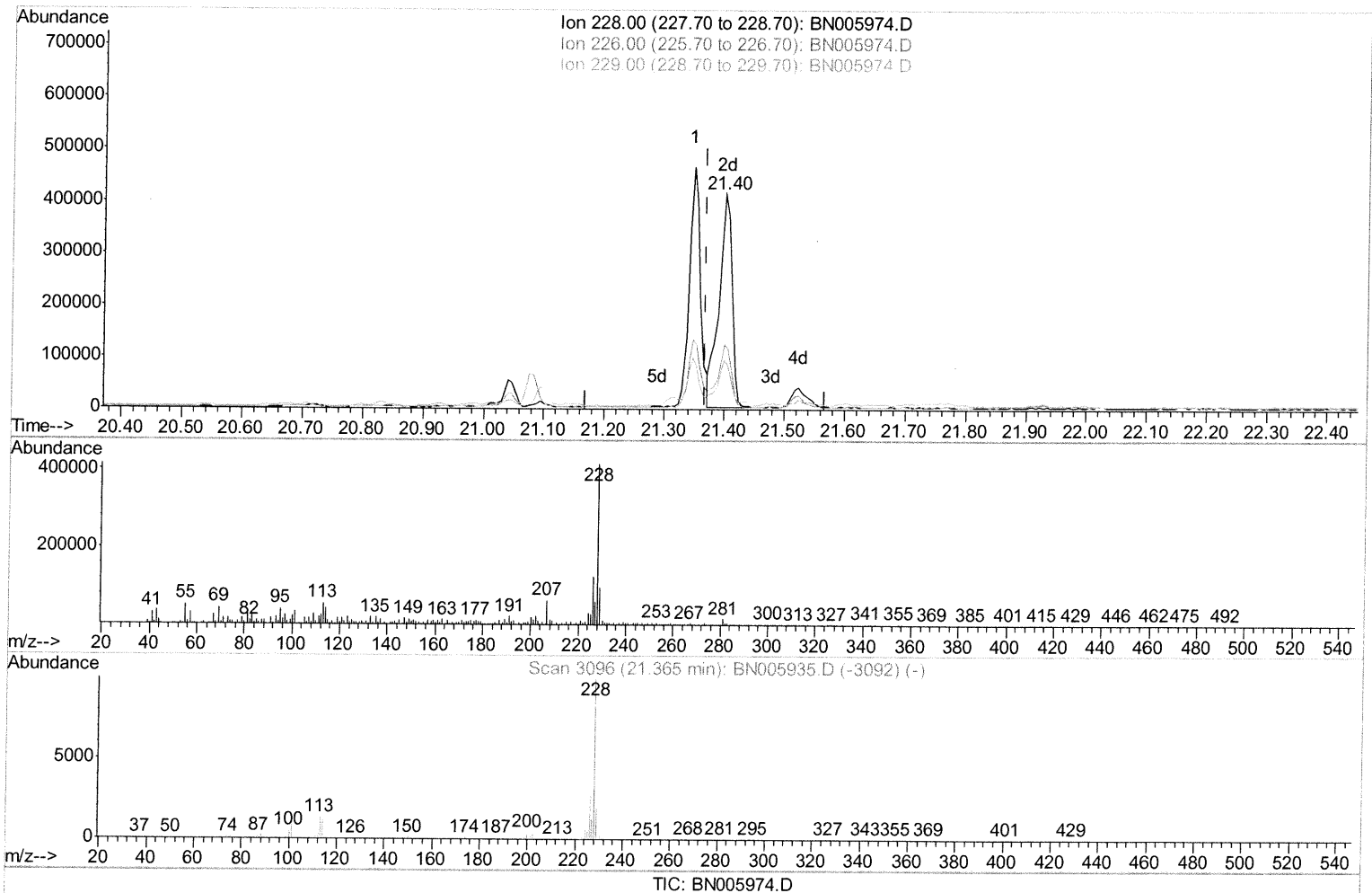
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053119\  
 Data File : BN005975.D  
 Acq On : 31 May 2019 10:59  
 Operator : JU/SJ  
 Sample : K2924-17  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4279

Manual Integrations  
 APPROVED

mohammad  
 6/5/2019 6:10:33 AM

Quant Time: May 31 14:10:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN052819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 29 02:28:30 2019  
 Response via : Initial Calibration



(84) Chrysene

21.400min (+0.031) 6.86ng/ul m

response 624392

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 30.00 | 30.45  |
| 229.00 | 19.20 | 23.19# |
| 0.00   | 0.00  | 0.00   |

JU  
 06/04/19

## Quantitation Report (Qedit)

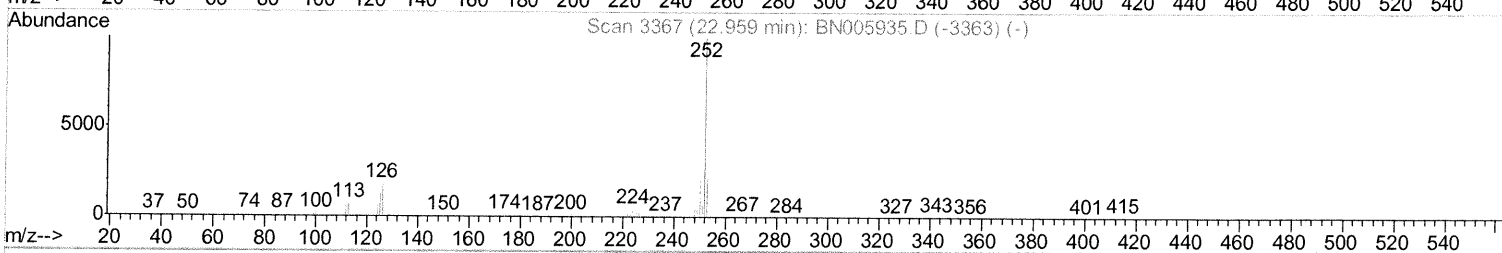
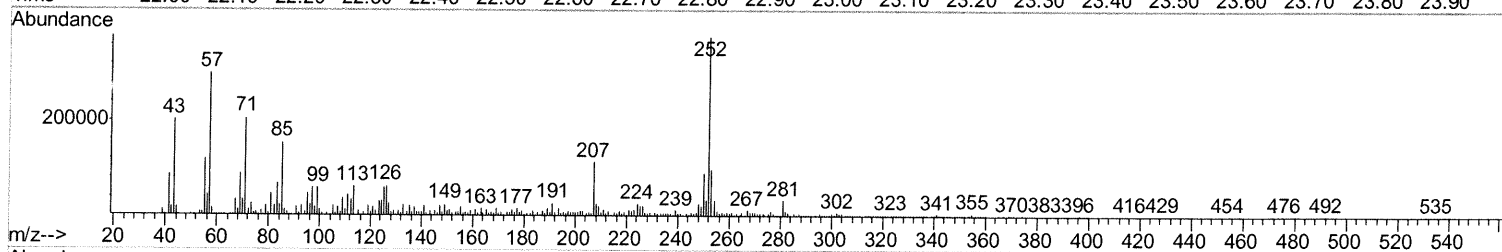
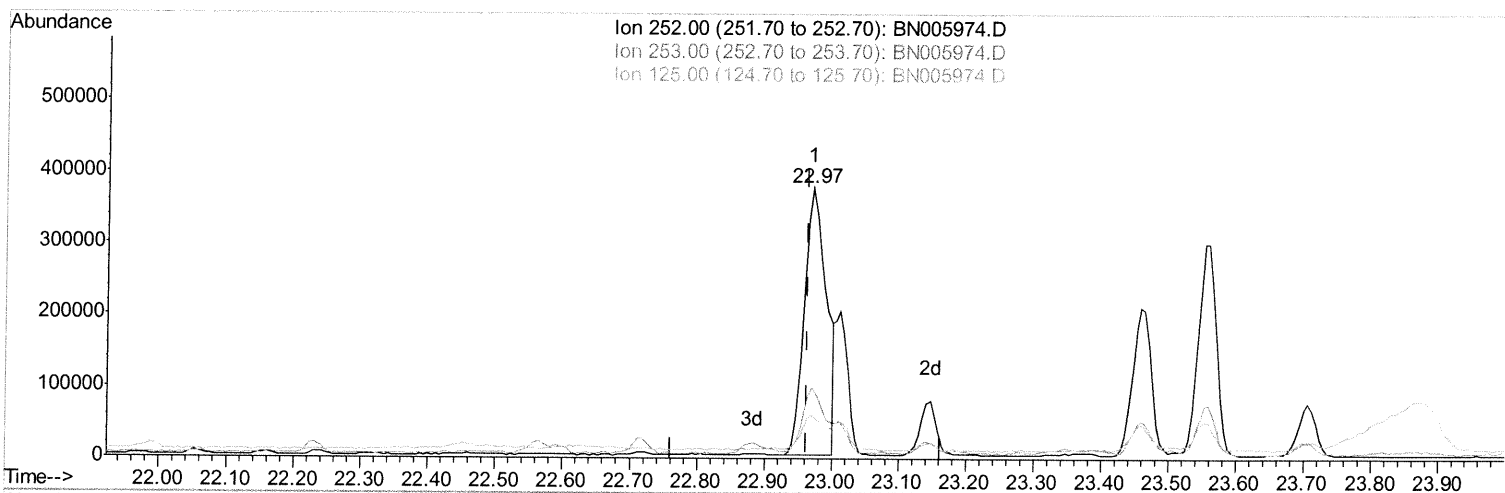
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053119\  
Data File : BN005975.D  
Acq On : 31 May 2019 10:59  
Operator : JU/SJ  
Sample : K2924-17  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Manual Integrations  
APPROVED

mohammad  
6/5/2019 6:10:33 AM

Quant Time: May 31 14:10:05 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN052819MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 02:28:30 2019  
Response via : Initial Calibration



TIC: BN005974.D

(88) Benzo(k)fluoranthene

22.970min (+0.008) 8.85ng/ul

response 841523

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.70 | 26.42# |
| 125.00 | 9.40  | 15.90# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

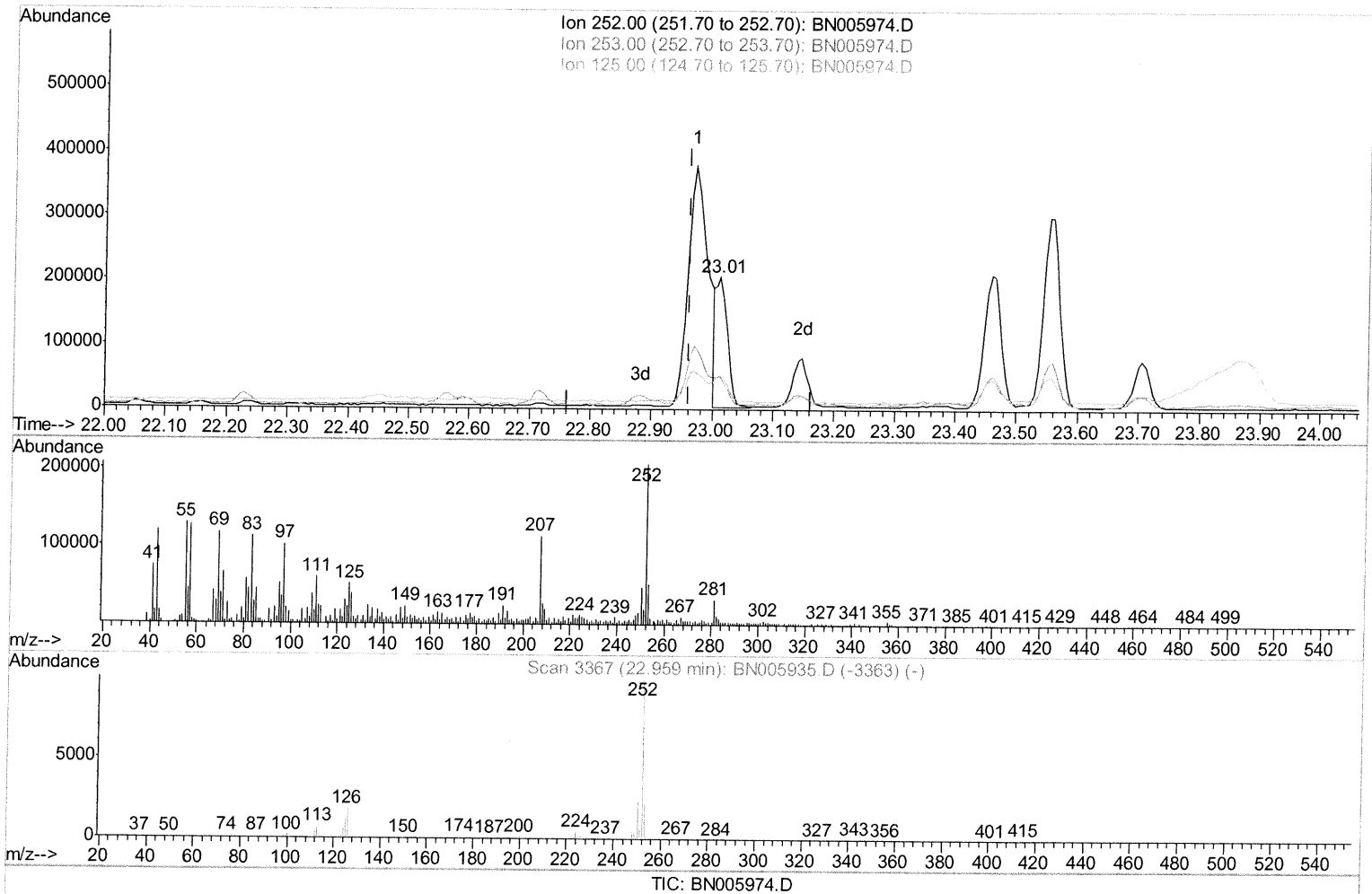
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053119\  
 Data File : BN005975.D  
 Acq On : 31 May 2019 10:59  
 Operator : JU/SJ  
 Sample : K2924-17  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 A4279

Manual Integrations  
 APPROVED

mohammad  
 6/5/2019 6:10:33 AM

Quant Time: May 31 14:10:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN052819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 29 02:28:30 2019  
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

23.012min (+0.049) 2.86ng/ul m

response 271554

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.70 | 25.80  |
| 125.00 | 9.40  | 25.17# |
| 0.00   | 0.00  | 0.00   |

JU  
 06/04/19

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053119\  
 Data File : BN005975.D  
 Acq On : 31 May 2019 10:59  
 Operator : JU/SJ  
 Sample : K2924-17  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4279

Manual Integrations  
 APPROVED

mohammad  
 6/5/2019 6:10:33 AM

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 29 02:28:30 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 508568   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.52 | 136  | 2036347  | 20.00 | ng/ul | 0.01     |
| 35) Acenaphthene-d10      | 14.39 | 164  | 970470   | 20.00 | ng/ul | 0.02     |
| 61) Phenanthrene-d10      | 17.14 | 188  | 1830973  | 20.00 | ng/ul | 0.03     |
| 77) Chrysene-d12          | 21.36 | 240  | 1551361  | 20.00 | ng/ul | 0.04     |
| 85) Perylene-d12          | 23.66 | 264  | 1840268  | 20.00 | ng/ul | 0.07     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 61392   | 5.31  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.90  | 99  | 1095037 | 24.29 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 689998  | 26.83 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.27  | 132 | 915105  | 26.65 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.44  | 113 | 795822  | 21.87 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.89  | 128 | 453049  | 34.66 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.61  | 143 | 480485  | 39.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.14 | 165 | 793076  | 27.59 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.66 | 131 | 528804  | 14.03 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.80 | 166 | 2170755 | 30.34 | ng/ul | 0.02 |
| 46) Acenaphthylene-d8          | 14.08 | 160 | 2705303 | 30.23 | ng/ul | 0.02 |
| 51) 4-Nitrophenol-d4           | 14.59 | 143 | 212840  | 16.35 | ng/ul | 0.03 |
| 57) Fluorene-d10               | 15.39 | 176 | 1806719 | 30.11 | ng/ul | 0.03 |
| 62) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 137787  | 18.46 | ng/ul | 0.03 |
| 70) Anthracene-d10             | 17.24 | 188 | 2437519 | 31.28 | ng/ul | 0.03 |
| 78) Pyrene-d10                 | 19.55 | 212 | 2428751 | 31.00 | ng/ul | 0.03 |
| 89) Benzo(a)pyrene-d12         | 23.51 | 264 | 2420832 | 29.48 | ng/ul | 0.06 |

## Target Compounds

|                                |       |     |          |        | Qvalue |     |
|--------------------------------|-------|-----|----------|--------|--------|-----|
| 44) Dimethylphthalate          | 13.84 | 163 | 611958   | 8.558  | ng/ul  | 100 |
| 47) Acenaphthylene             | 14.11 | 152 | 87989    | 1.003  | ng/ul  | 99  |
| 69) Phenanthrene               | 17.18 | 178 | 654316   | 7.213  | ng/ul  | 98  |
| 71) Anthracene                 | 17.28 | 178 | 165219   | 1.794  | ng/ul  | 99  |
| 76) Fluoranthene               | 19.21 | 202 | 1255877  | 12.968 | ng/ul  | 95  |
| 79) Pyrene                     | 19.58 | 202 | 1115306  | 11.349 | ng/ul  | 97  |
| 80) Butylbenzylphthalate       | 20.49 | 149 | 55698    | 1.261  | ng/ul  | 98  |
| 82) Benzo(a)anthracene         | 21.35 | 228 | 604600   | 6.200  | ng/ul  | 96  |
| 83) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 137672   | 2.151  | ng/ul# | 99  |
| 84) Chrysene                   | 21.40 | 228 | 624392m> | 6.865  | ng/ul  |     |
| 87) Benzo(b)fluoranthene       | 22.97 | 252 | 841523   | 8.141  | ng/ul# | 89  |
| 88) Benzo(k)fluoranthene       | 23.01 | 252 | 271554m> | 2.857  | ng/ul  |     |
| 90) Benzo(a)pyrene             | 23.56 | 252 | 549095   | 5.633  | ng/ul# | 90  |
| 91) Indeno(1,2,3-cd)pyrene     | 25.96 | 276 | 419956   | 3.672  | ng/ul  | 96  |
| 92) Dibenzo(a,h)anthracene     | 25.96 | 278 | 119228   | 1.252  | ng/ul# | 64  |
| 93) Benzo(g,h,i)perylene       | 26.66 | 276 | 306433   | 3.181  | ng/ul# | 91  |

JU 06/04/19

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