

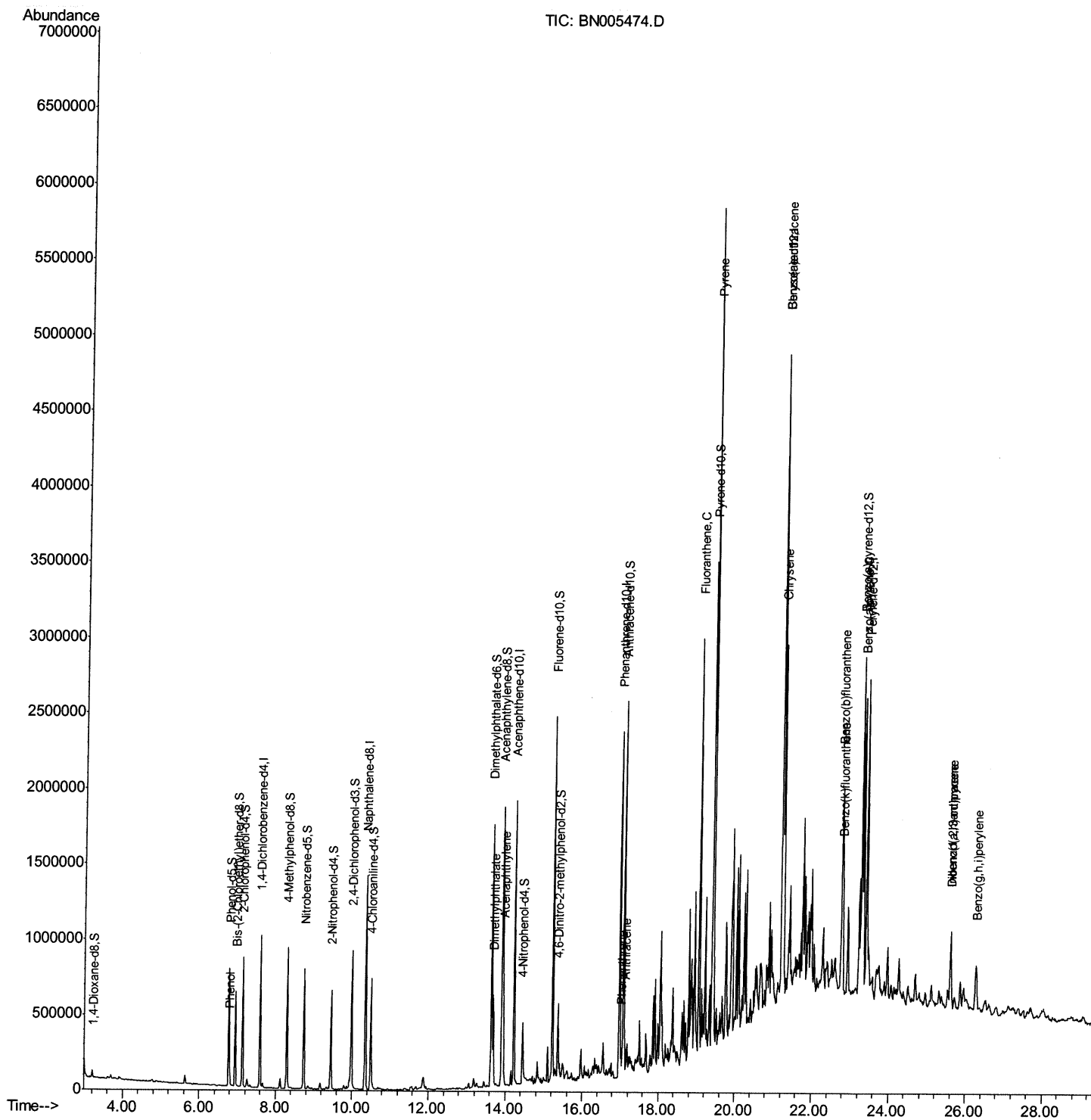
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050319\  
Data File : BN005474.D  
Acq On : 04 May 2019 04:43  
Operator : JU/SJ  
Sample : K2634-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
GAJB2

Manual Integrations  
APPROVED

mohammad  
5/7/2019 8:21:48 AM

Quant Time: May 06 02:34:00 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri May 03 03:02:31 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

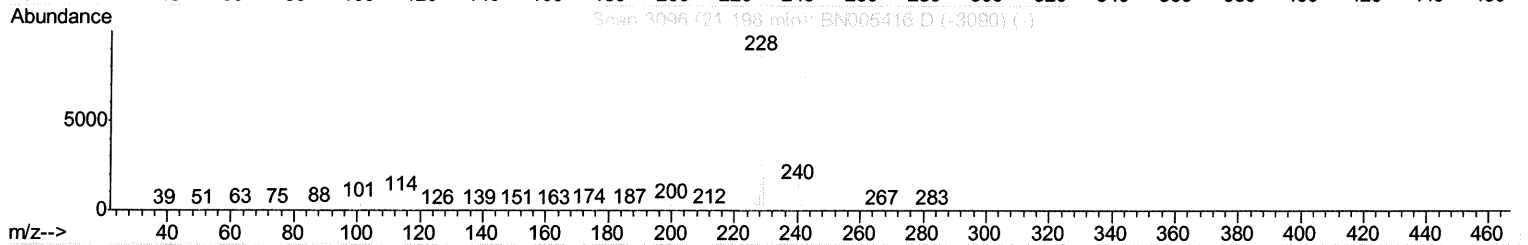
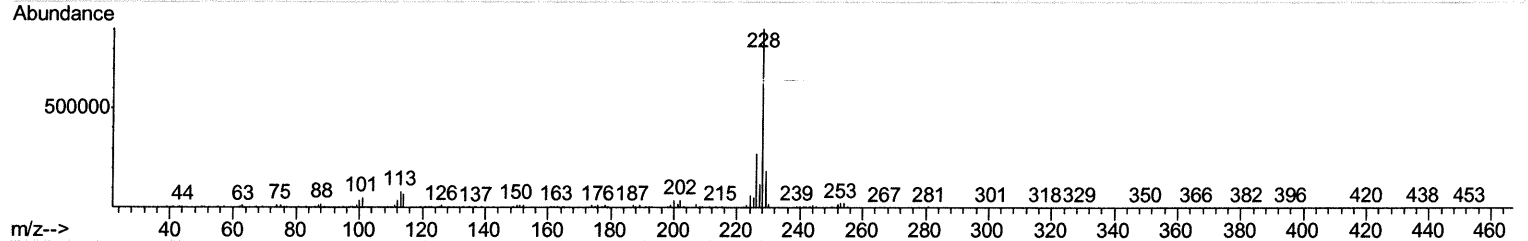
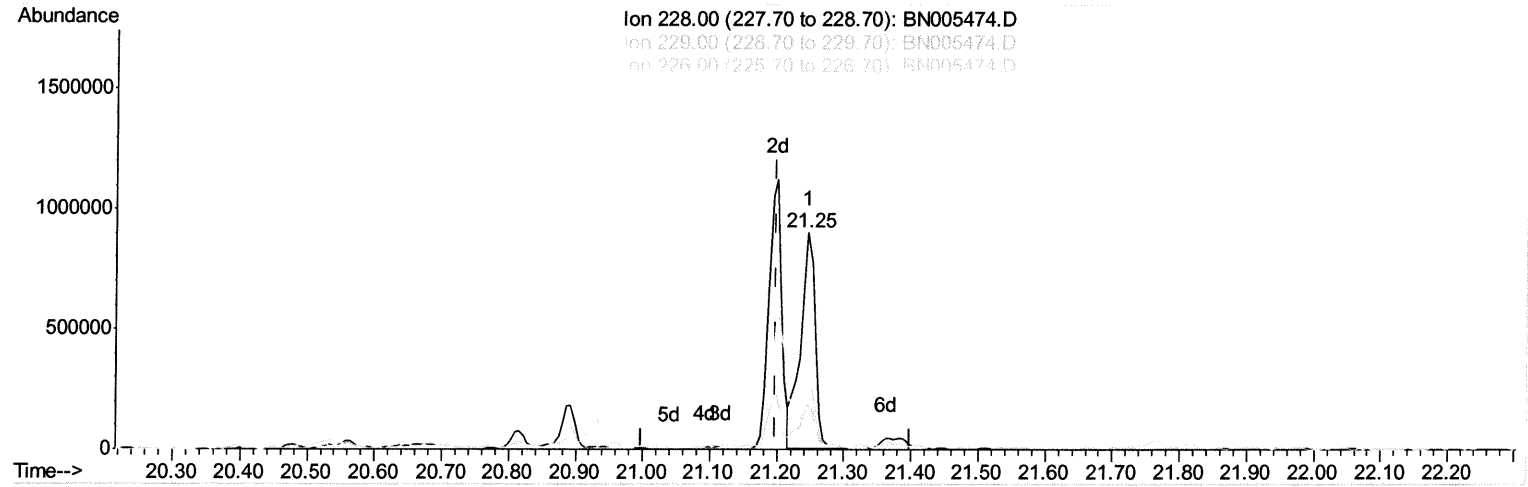
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050319\  
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Manual Integrations  
 APPROVED

mohammad  
 5/7/2019 8:21:48 AM

Quant Time: May 06 01:12:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 03:02:31 2019  
 Response via : Initial Calibration



TIC: BN005474.D

(82) Benzo(a)anthracene

21.245min (+0.047) 16.40ng/ul

response 1334246

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.70 | 20.67 |
| 226.00 | 26.80 | 30.11 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

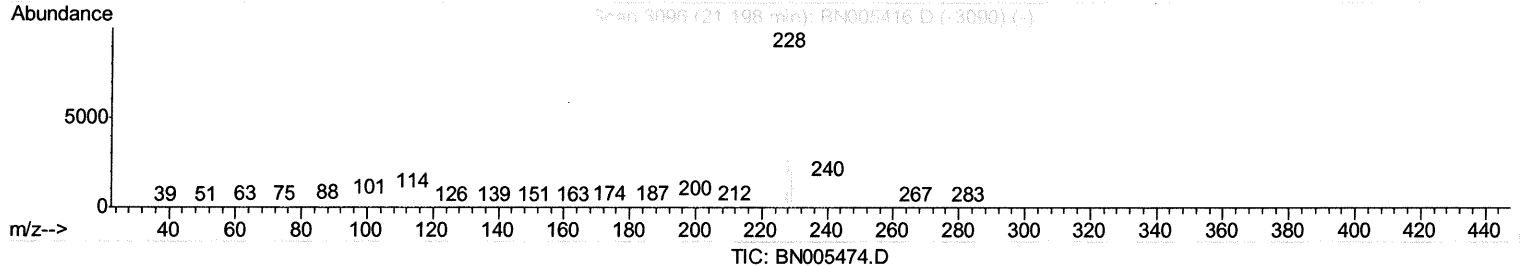
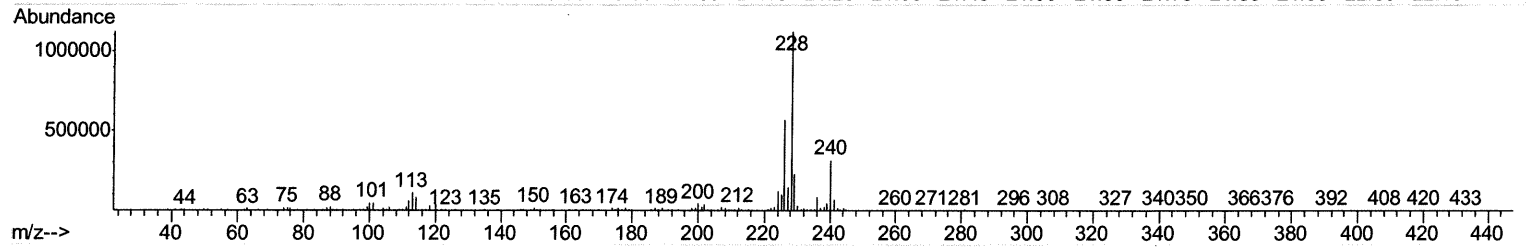
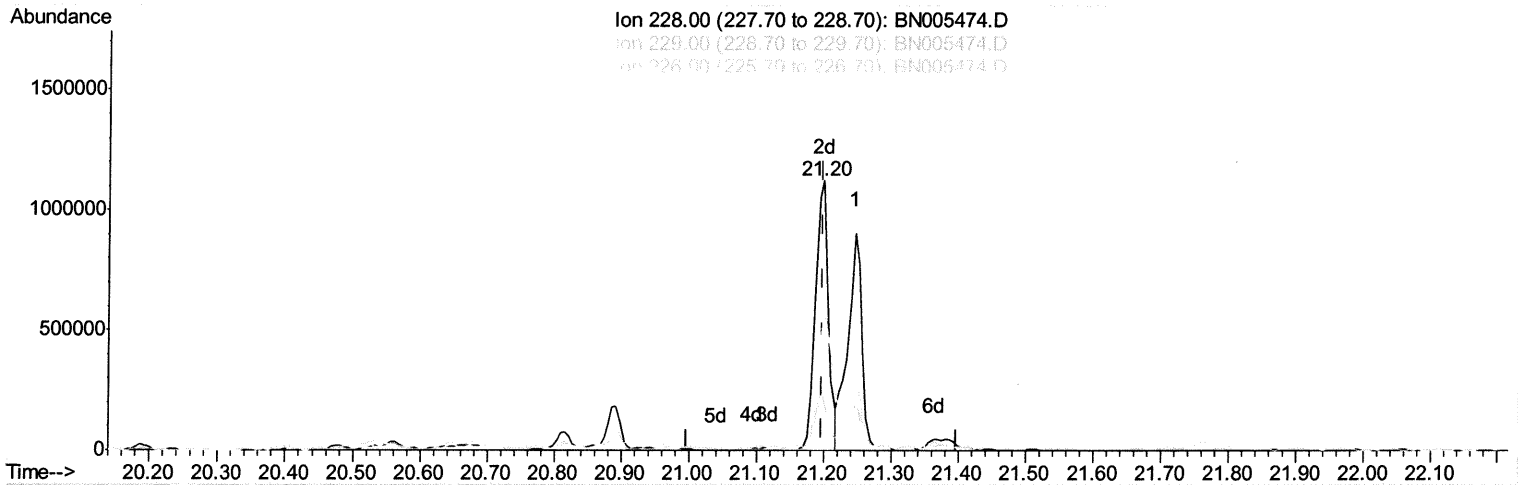
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050319\  
 Data File : BN005474.D  
 Acq On : 04 May 2019 04:43  
 Operator : JU/SJ  
 Sample : K2634-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJB2

Manual Integrations  
 APPROVED

mohammad  
 5/7/2019 8:21:48 AM

Quant Time: May 06 01:12:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 03:02:31 2019  
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.198min (+0.000) 18.63ng/ul m SJ 05/02/19

response 1515248

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.70 | 20.67  |
| 226.00 | 26.80 | 50.62# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

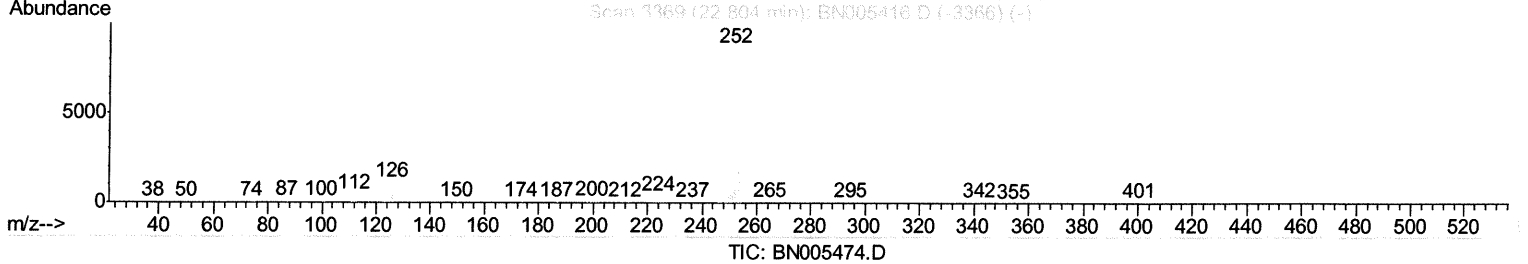
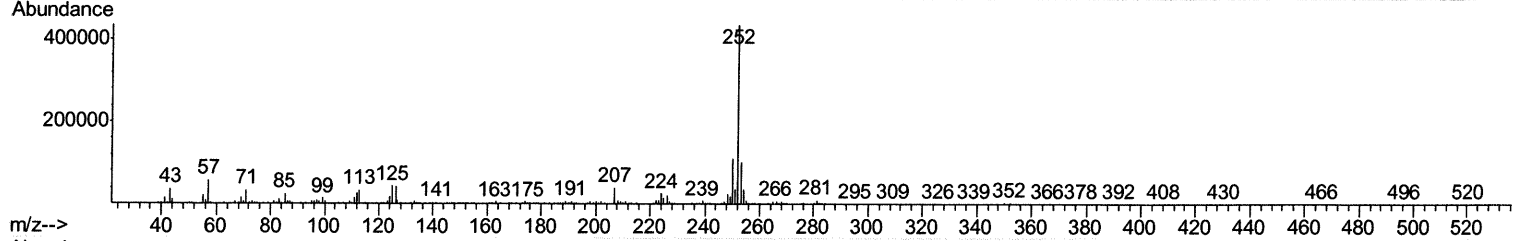
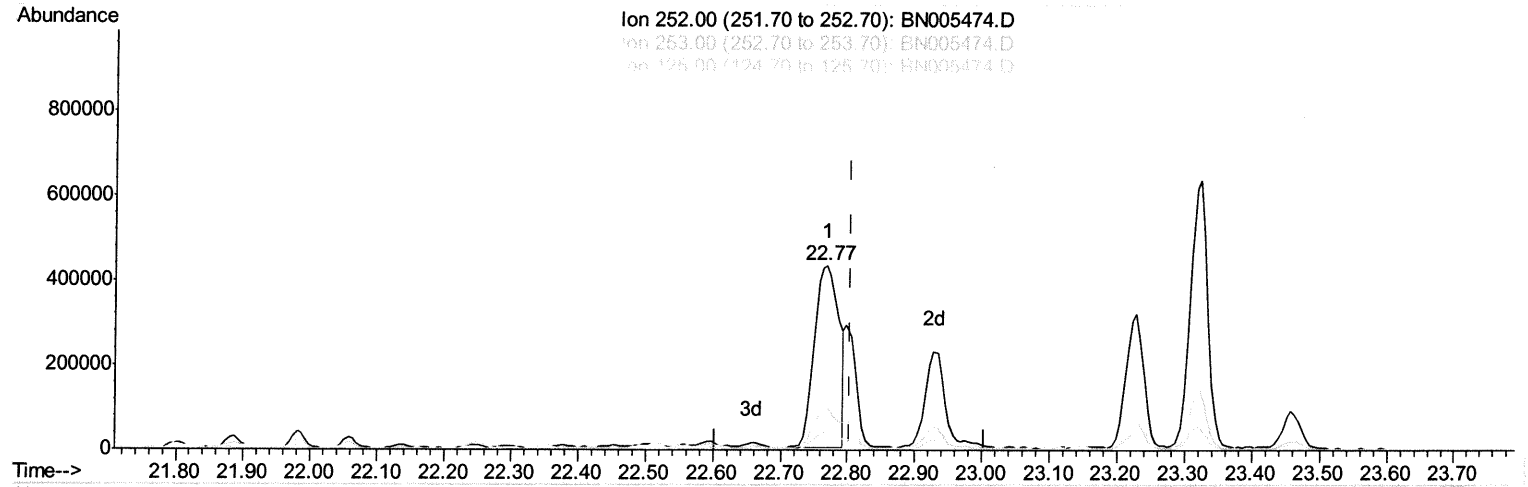
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050319\  
 Data File : BN005474.D  
 Acq On : 04 May 2019 04:43  
 Operator : JU/SJ  
 Sample : K2634-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJB2

Manual Integrations  
 APPROVED

mohammad  
 5/7/2019 8:21:48 AM

Quant Time: May 06 01:12:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 03:02:31 2019  
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene  
 22.769min (-0.035) 13.36ng/ul  
 response 1102276

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 23.39 |
| 125.00 | 9.40  | 10.04 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

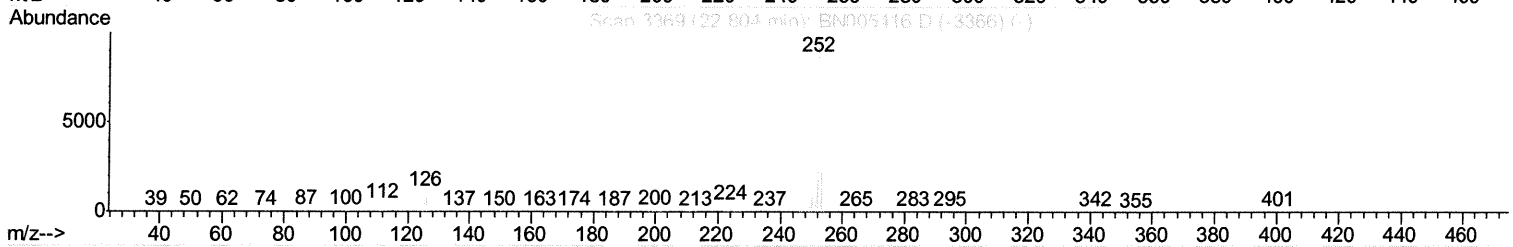
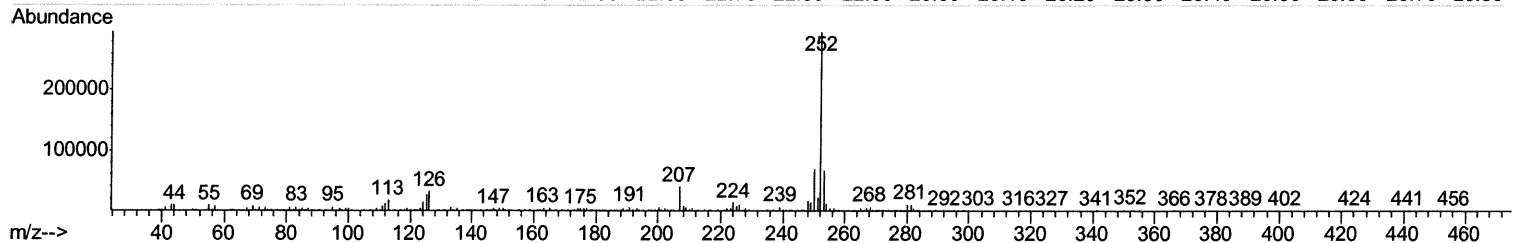
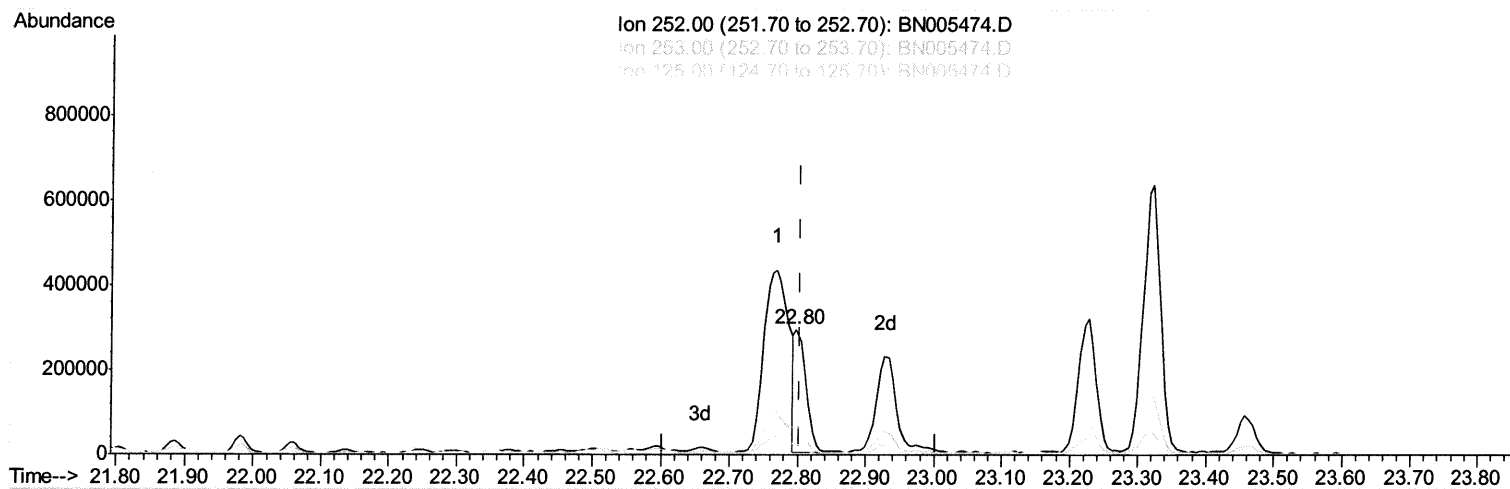
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050319\  
Data File : BN005474.D  
Acq On : 04 May 2019 04:43  
Operator : JU/SJ  
Sample : K2634-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAJB2

Manual Integrations  
APPROVED

mohammad  
5/7/2019 8:21:48 AM

Quant Time: May 06 01:12:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri May 03 03:02:31 2019  
Response via : Initial Calibration



TIC: BN005474.D

(88) Benzo(k)fluoranthene

22.798min (-0.006) 4.04ng/ul m

SJ 05/12/19

response 333741

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.68 |
| 125.00 | 9.40  | 8.72  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

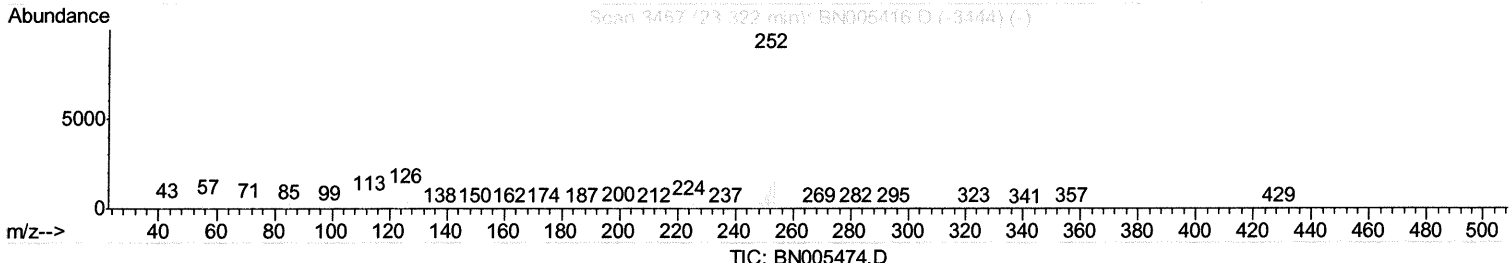
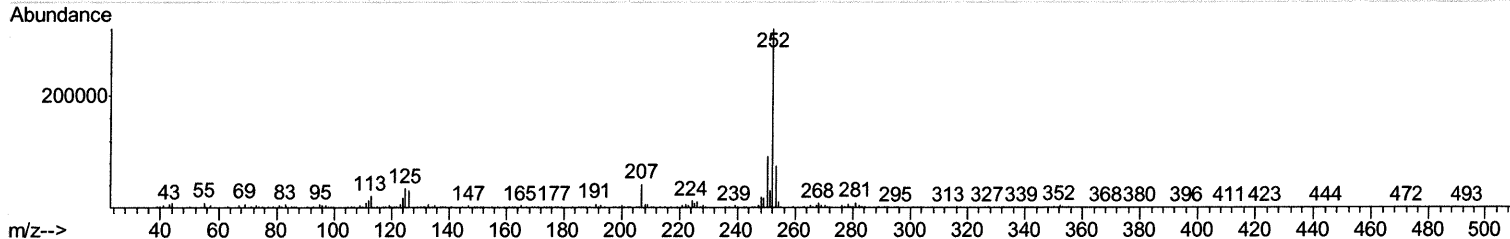
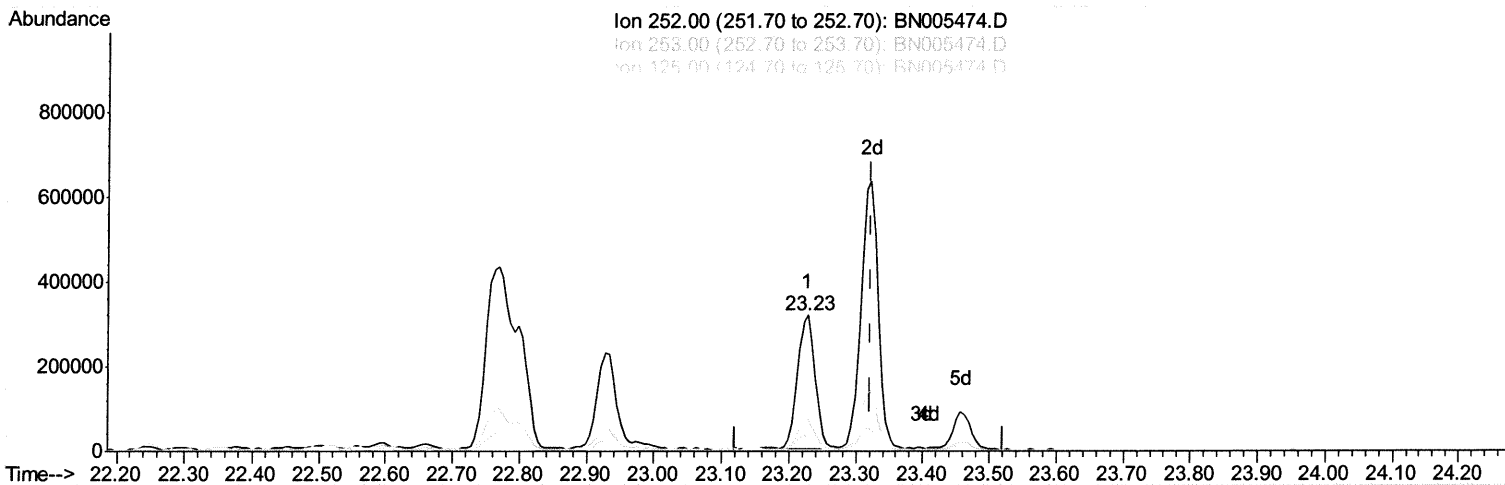
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050319\  
 Data File : BN005474.D  
 Acq On : 04 May 2019 04:43  
 Operator : JU/SJ  
 Sample : K2634-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJB2

Manual Integrations  
 APPROVED

mohammad  
 5/7/2019 8:21:48 AM

Quant Time: May 06 01:12:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 03:02:31 2019  
 Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

23.227min (-0.094) 7.01ng/ul

response 568843

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 23.20 |
| 125.00 | 10.80 | 10.75 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

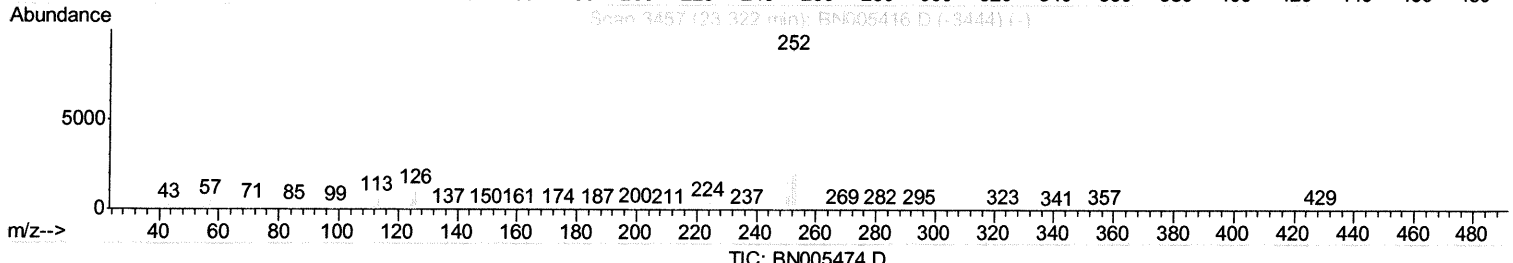
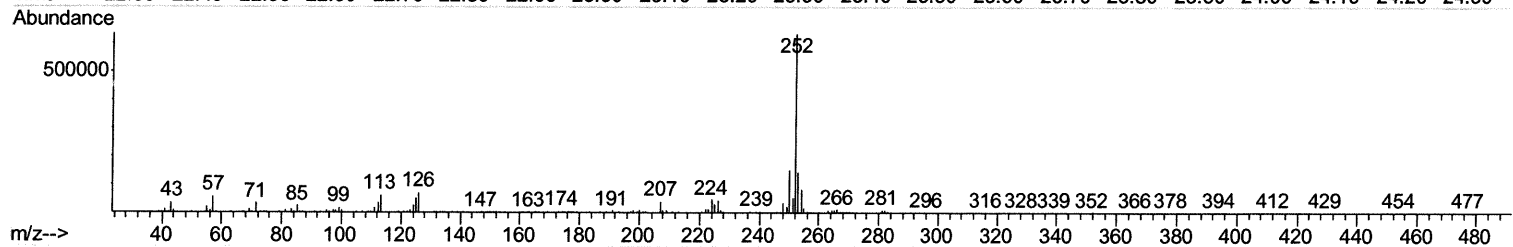
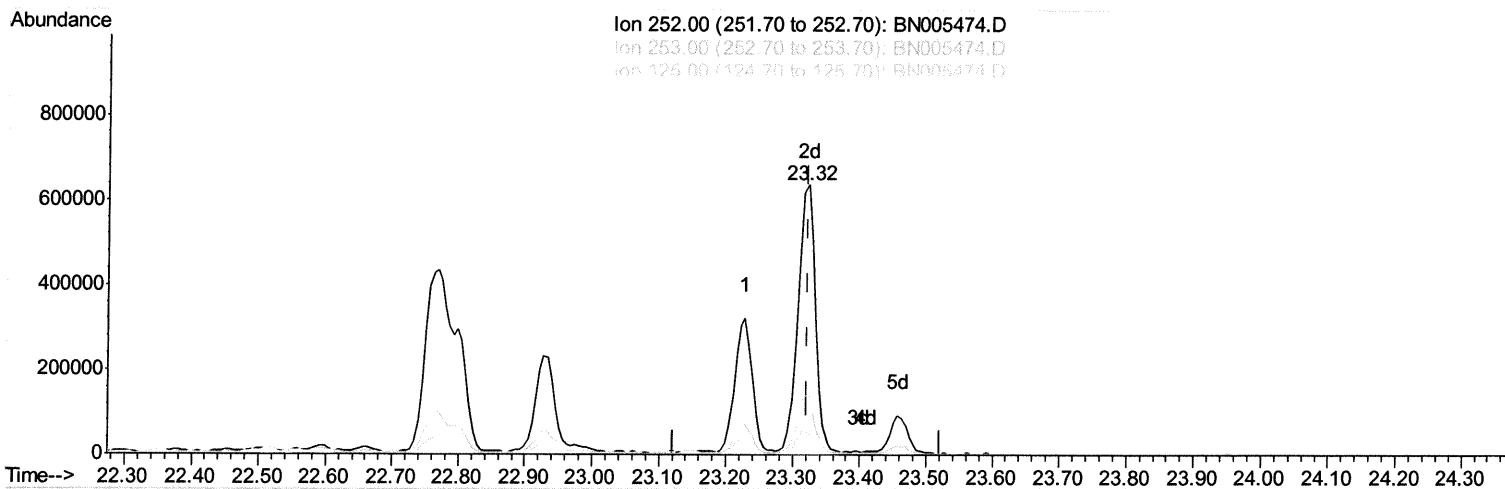
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050319\  
 Data File : BN005474.D  
 Acq On : 04 May 2019 04:43  
 Operator : JU/SJ  
 Sample : K2634-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJB2

Manual Integrations  
 APPROVED

mohammad  
 5/7/2019 8:21:48 AM

Quant Time: May 06 01:12:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 03:02:31 2019  
 Response via : Initial Calibration



TIC: BN005474.D

(90) Benzo(a)pyrene (C)

23.322min (+0.000) 14.29ng/ul m

*SJ 05/12/19*

response 1160606

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 22.42 |
| 125.00 | 10.80 | 8.15# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050319\  
 Data File : BN005474.D  
 Acq On : 04 May 2019 04:43  
 Operator : JU/SJ  
 Sample : K2634-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 GAJB2

Manual Integrations  
 APPROVED

mohammad  
 5/7/2019 8:21:48 AM

Quant Time: May 06 02:34:00 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 03:02:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 281175   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1143101  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 644425   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 1408643  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.21 | 240  | 1307567  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.42 | 264  | 1536835  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 22073   | 3.79  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 445304  | 20.16 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 267989  | 19.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 381527  | 22.57 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 365340  | 21.16 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 197014  | 28.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 218690  | 30.66 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 367732  | 22.49 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 433829  | 25.73 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 1177295 | 25.17 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.91 | 160 | 1400563 | 24.38 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 140035  | 18.96 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.22 | 176 | 985394  | 25.10 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 127589  | 20.14 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.07 | 188 | 1454320 | 24.63 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.39 | 212 | 1574823 | 23.54 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 1577067 | 23.48 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |           |        | Qvalue |               |
|----------------------------|-------|-----|-----------|--------|--------|---------------|
| 6) Phenol                  | 6.80  | 94  | 27809     | 1.224  | ng/ul# | 88            |
| 44) Dimethylphthalate      | 13.69 | 163 | 262801    | 5.638  | ng/ul  | 99            |
| 47) Acenaphthylene         | 13.94 | 152 | 567758    | 10.055 | ng/ul  | 98            |
| 69) Phenanthrene           | 17.02 | 178 | 112822    | 1.645  | ng/ul  | 99            |
| 71) Anthracene             | 17.11 | 178 | 193855    | 2.774  | ng/ul  | 99            |
| 76) Fluoranthene           | 19.05 | 202 | 1532050   | 20.134 | ng/ul  | 97            |
| 79) Pyrene                 | 19.42 | 202 | 3317385   | 39.403 | ng/ul  | 95            |
| 82) Benzo(a)anthracene     | 21.20 | 228 | 1515248m> | 18.628 | ng/ul> | > SJ 05/12/19 |
| 84) Chrysene               | 21.25 | 228 | 1334246   | 17.673 | ng/ul  | 99            |
| 87) Benzo(b)fluoranthene   | 22.77 | 252 | 1102276   | 12.759 | ng/ul  | 98            |
| 88) Benzo(k)fluoranthene   | 22.80 | 252 | 333741m>  | 4.045  | ng/ul> | > SJ 05/12/19 |
| 90) Benzo(a)pyrene         | 23.32 | 252 | 1160606m> | 14.293 | ng/ul> | > SJ 05/12/19 |
| 91) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 480398    | 5.351  | ng/ul  | 98            |
| 92) Dibenzo(a,h)anthracene | 25.60 | 278 | 165566    | 2.173  | ng/ul# | 95            |
| 93) Benzo(g,h,i)perylene   | 26.26 | 276 | 380935    | 5.132  | ng/ul# | 93            |

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