

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (QT Reviewed)

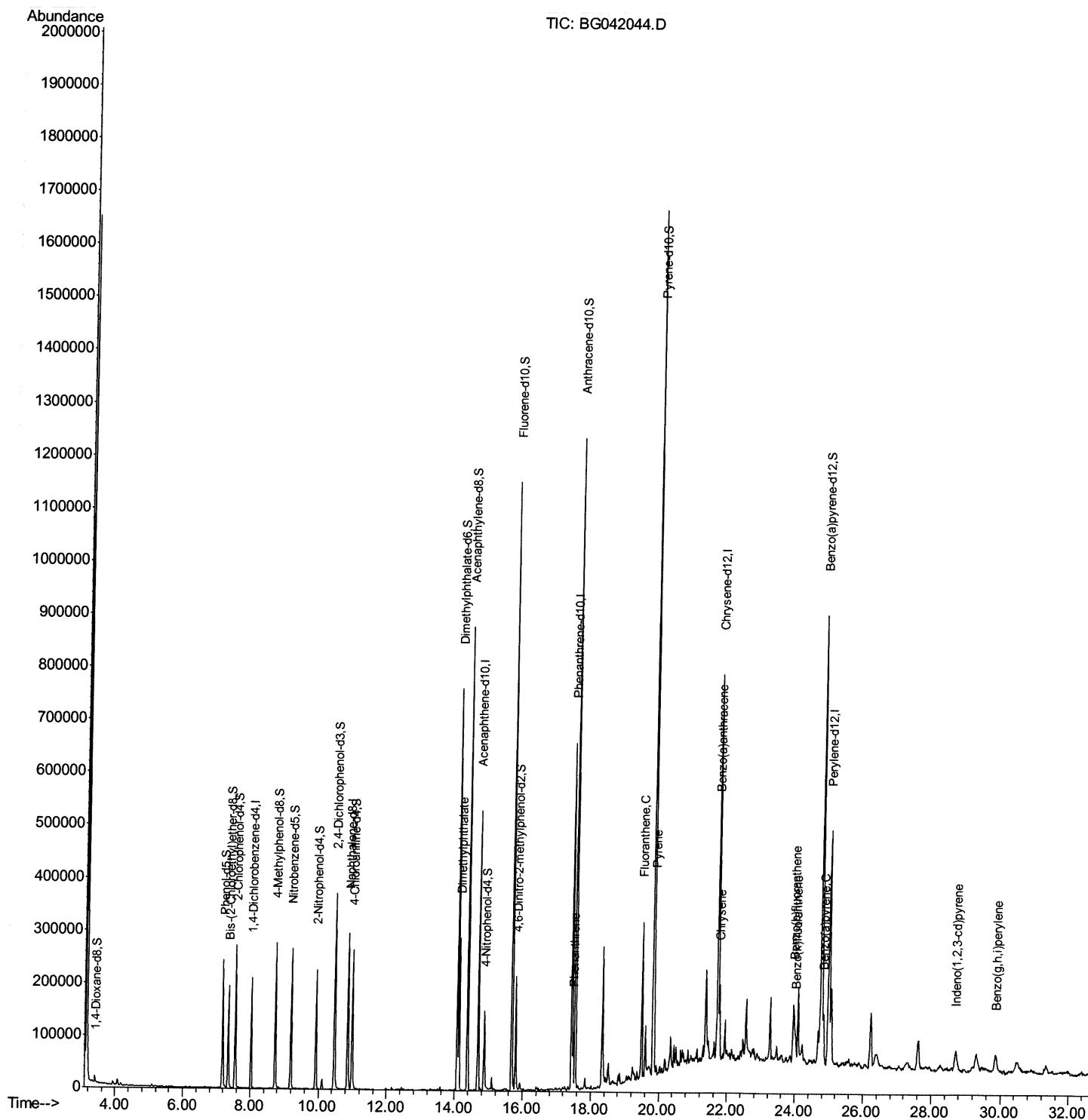
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 03:52:54 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

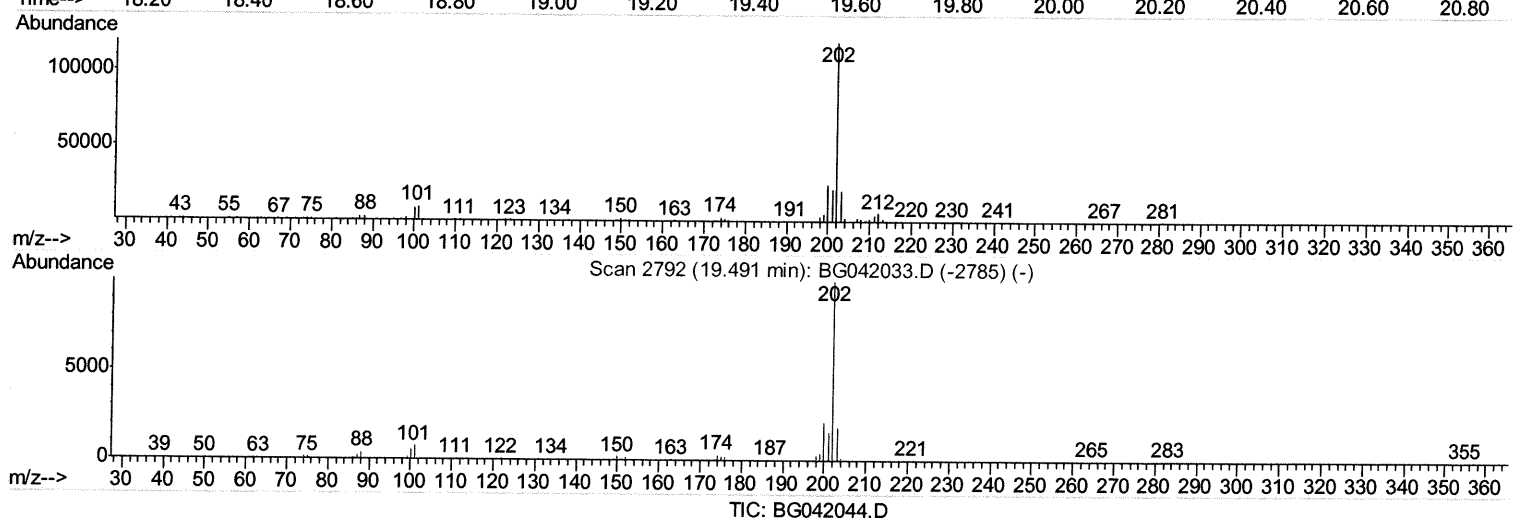
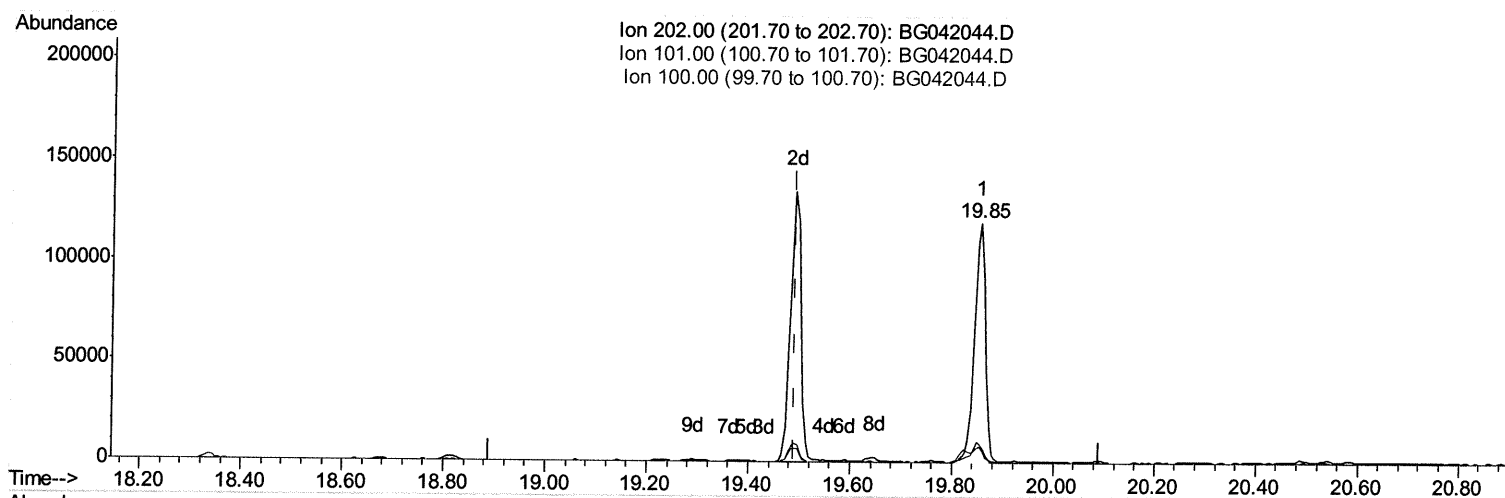
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



(76) Fluoranthene (C)

19.854min (+0.363) 6.27ng/ul

response 176174

| Ion    | Exp% | Act% |
|--------|------|------|
| 202.00 | 100  | 100  |
| 101.00 | 8.40 | 7.82 |
| 100.00 | 6.60 | 6.87 |
| 0.00   | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

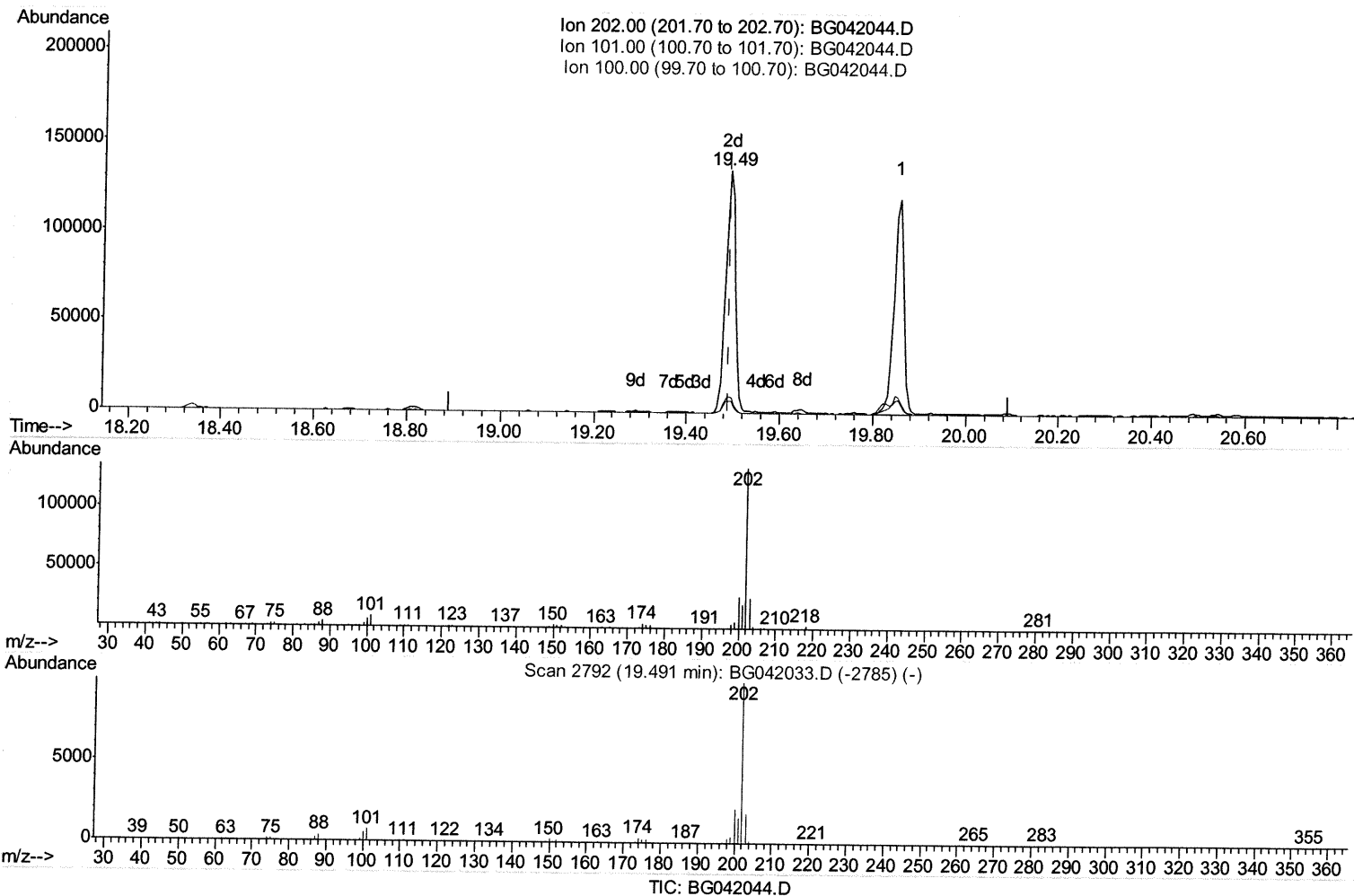
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



(76) Fluoranthene (C)

19.490min (-0.002) 6.82ng/ul m JU 08/08/19

response 191732

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 202.00 | 100  | 100   |
| 101.00 | 8.40 | 6.94  |
| 100.00 | 6.60 | 5.10# |
| 0.00   | 0.00 | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

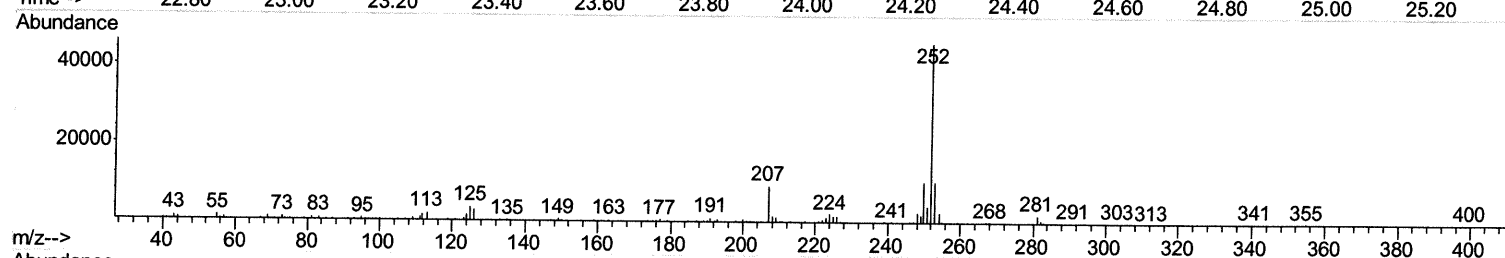
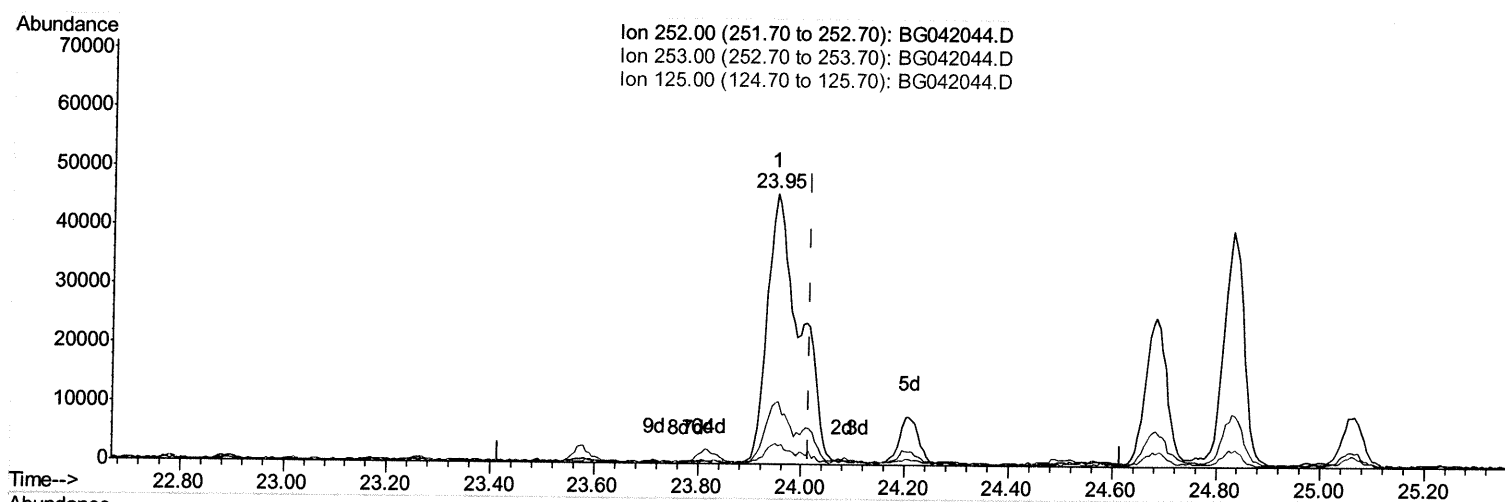
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENX5

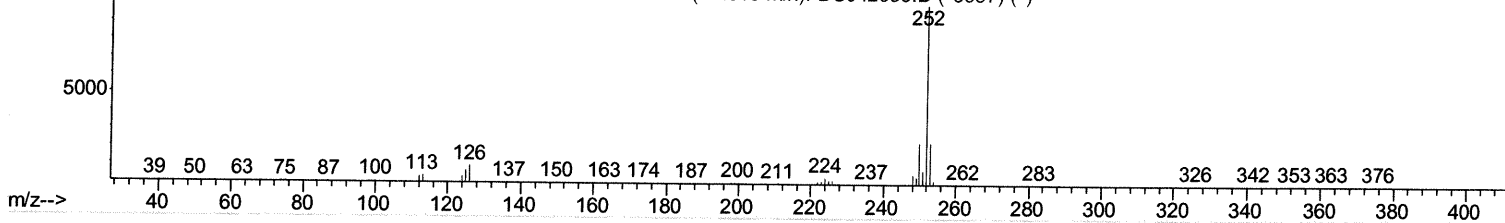
Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



Scan 3562 (24.015 min): BG042033.D (-3557) (-)



TIC: BG042044.D

(88) Benzo(k)fluoranthene  
23.949min (-0.066) 4.64ng/ul  
response 144976

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.90 | 22.60 |
| 125.00 | 6.90  | 7.89  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

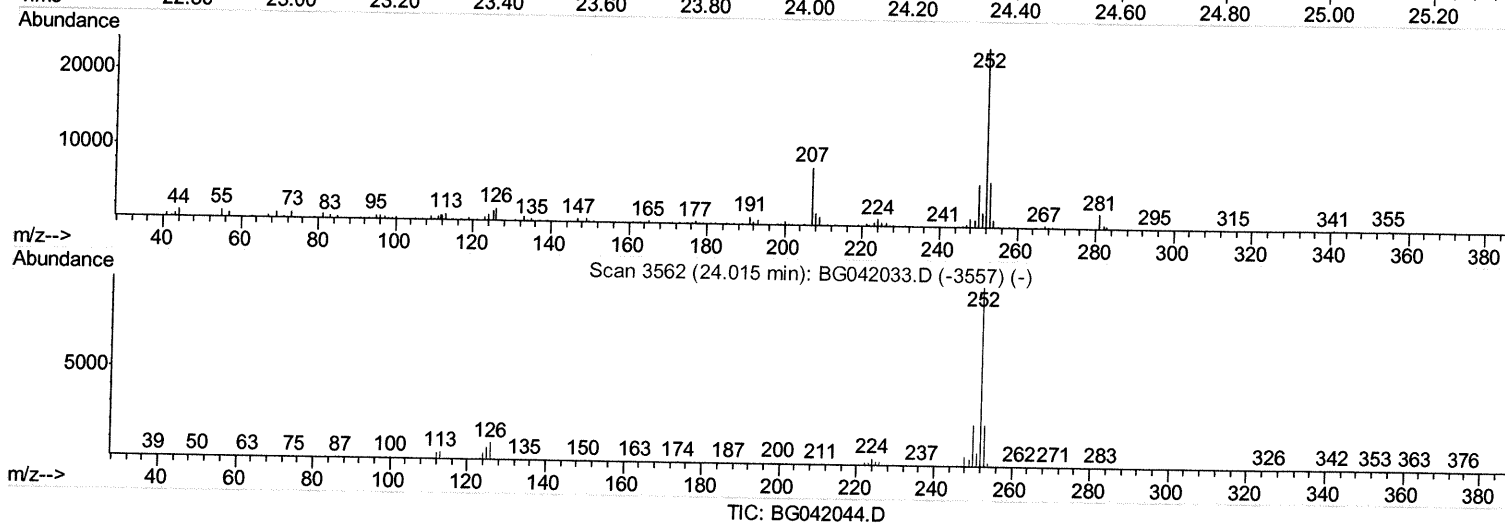
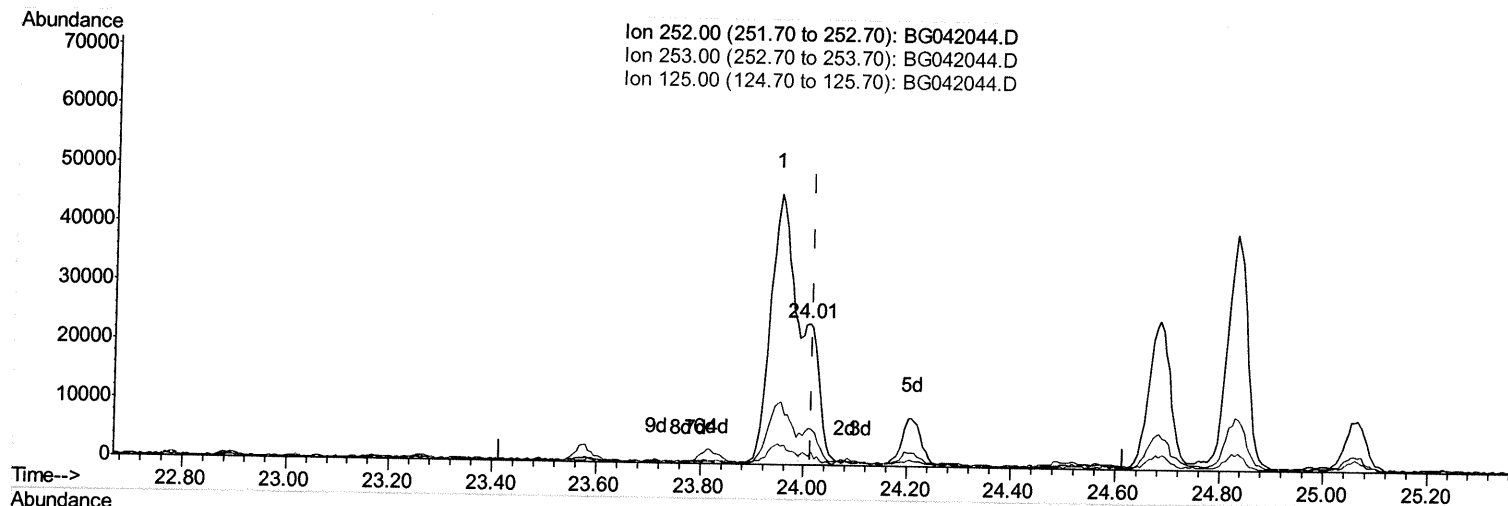
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



(88) Benzo(k)fluoranthene

24.008min (-0.008) 1.72ng/ul m *JU* 08/08/19

response 53923

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.90 | 26.02 |
| 125.00 | 6.90  | 6.29  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

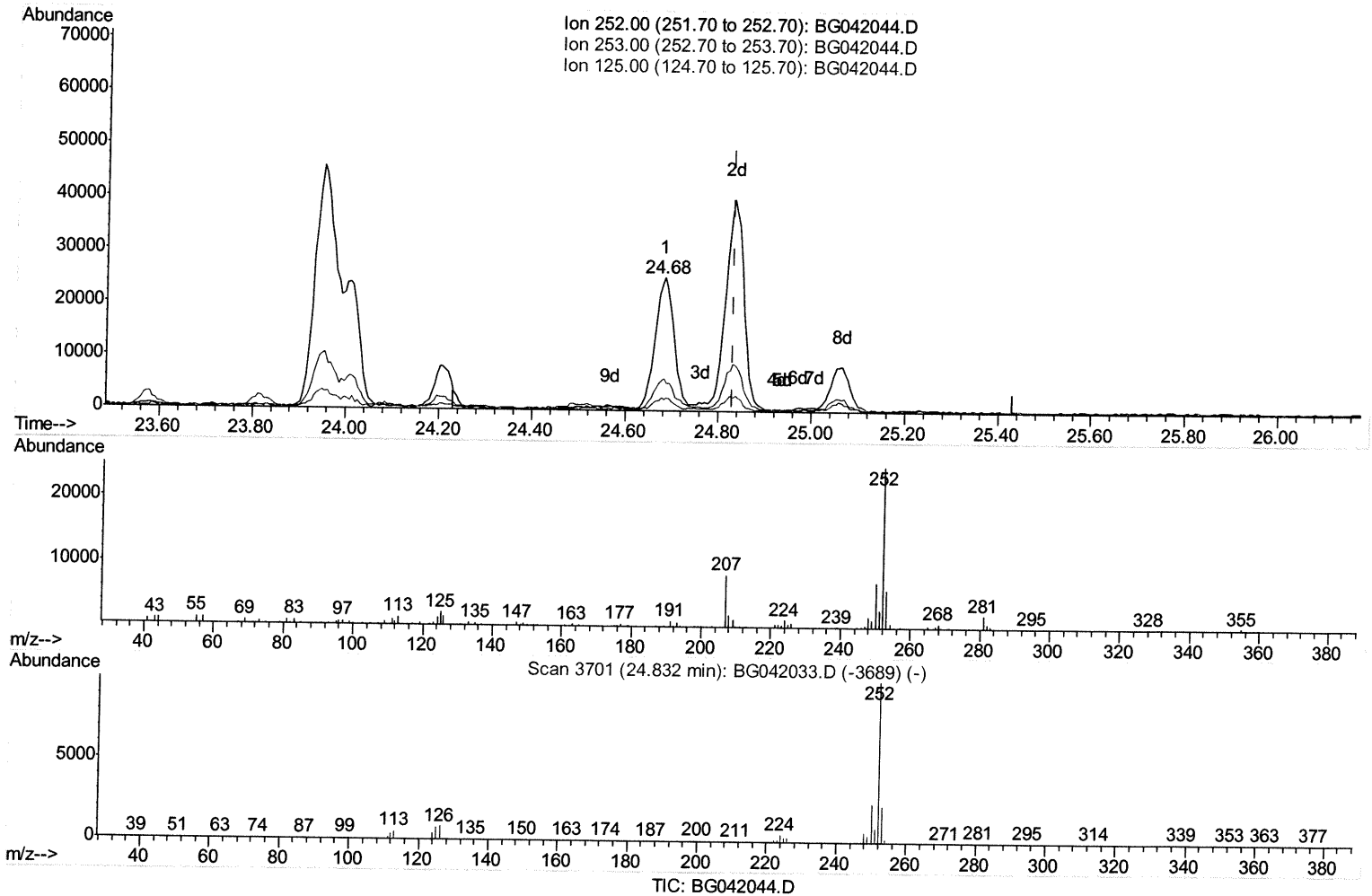
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

24.684min (-0.148) 2.32ng/ul

response 72057

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.90 | 23.98 |
| 125.00 | 8.10  | 8.65  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

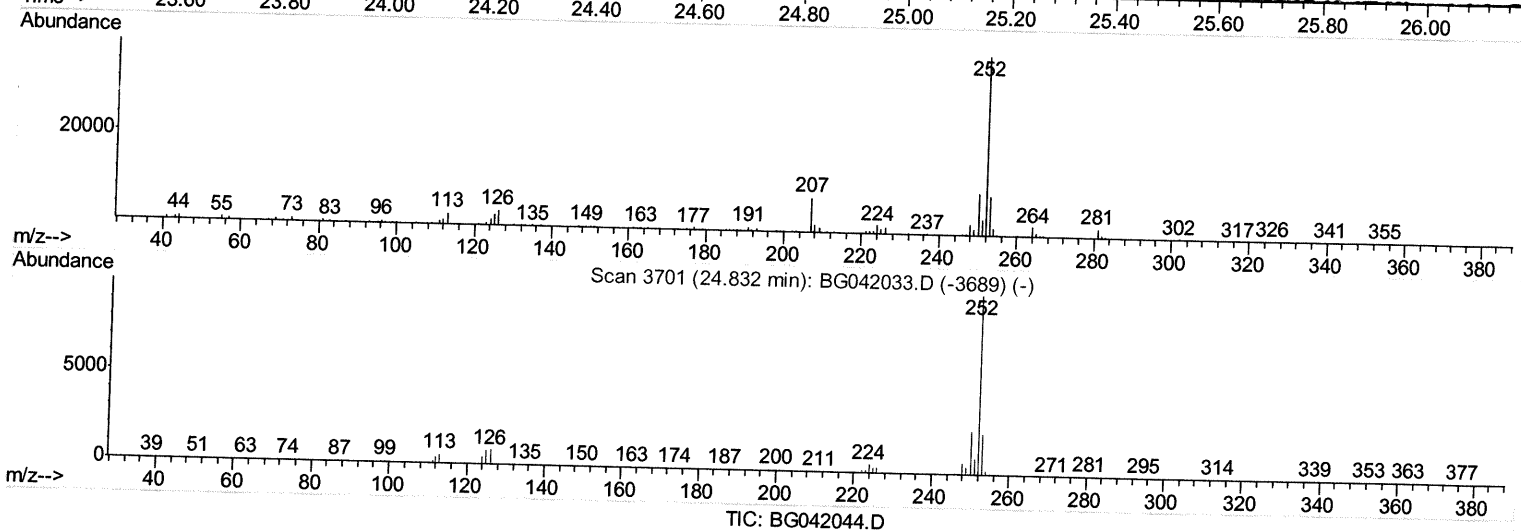
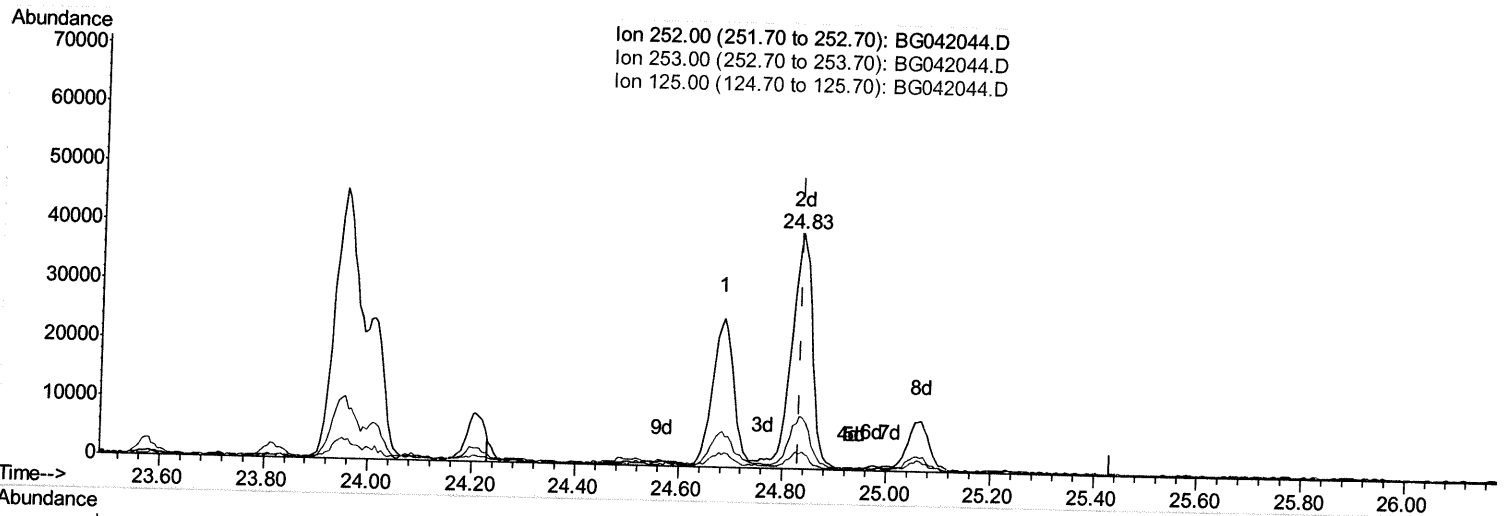
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

24.830min (-0.002) 3.43ng/ul m *JU* *08/08/19*

response 106213

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.90 | 22.26 |
| 125.00 | 8.10  | 6.48# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

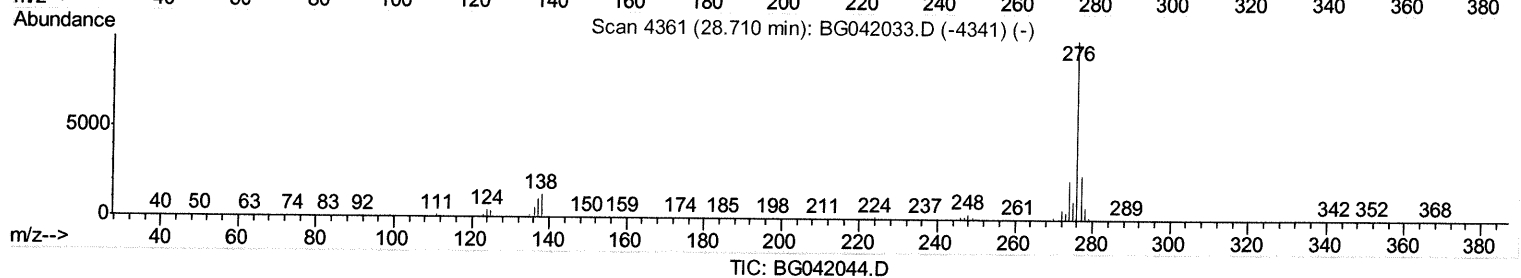
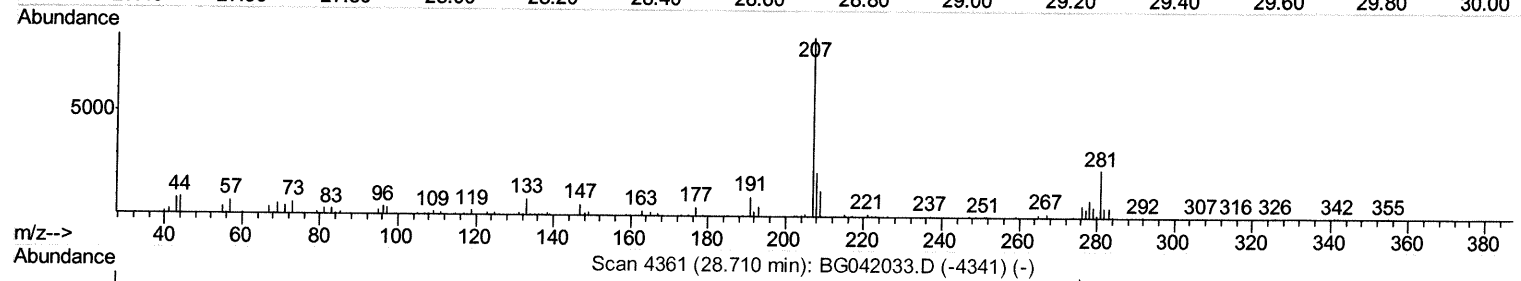
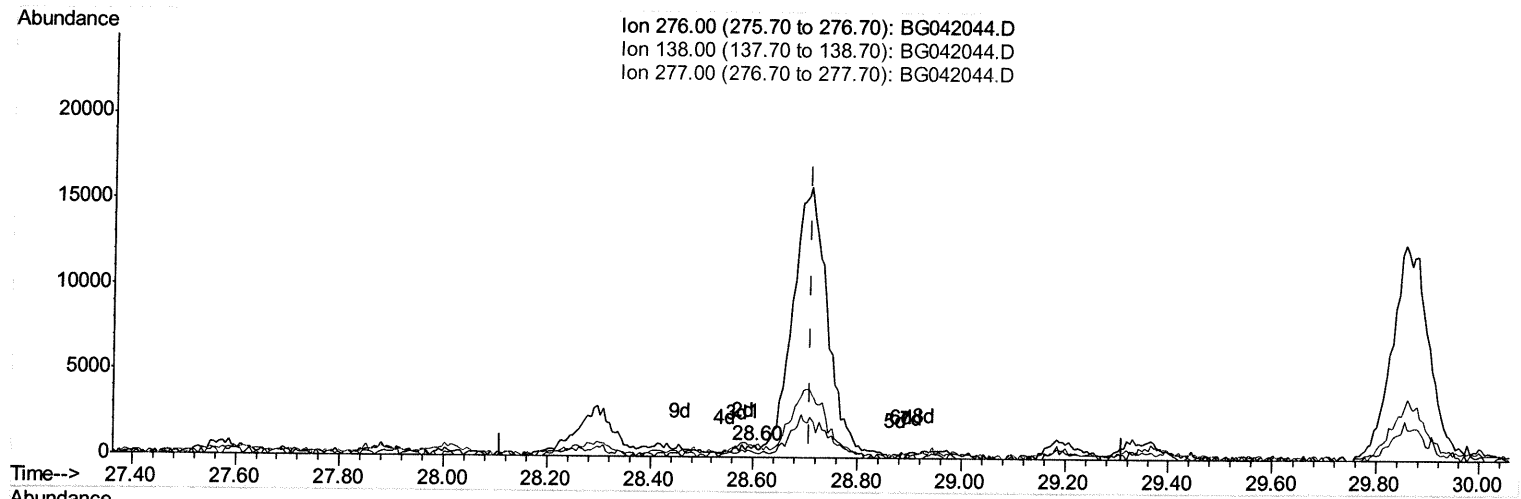
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



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

28.602min (-0.107) 0.00ng/ul

response 107

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 15.00 | 38.02# |
| 277.00 | 24.00 | 78.27# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

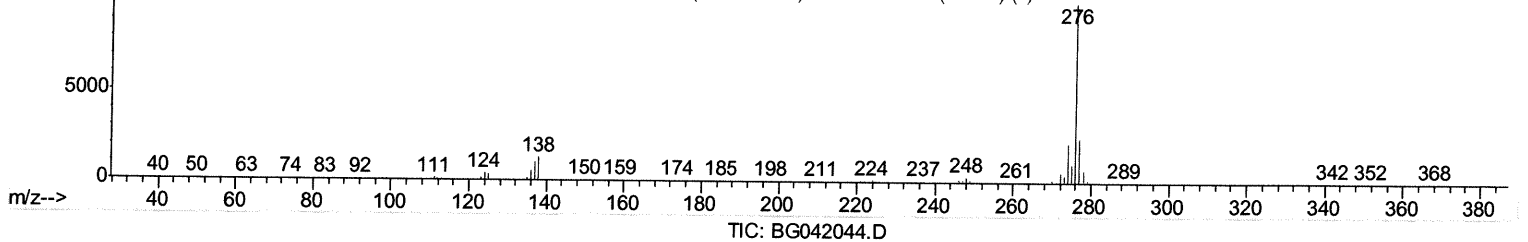
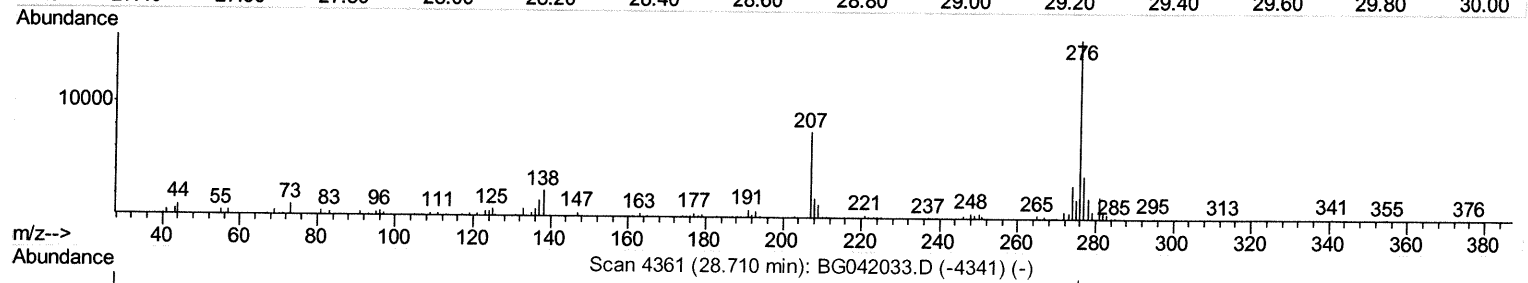
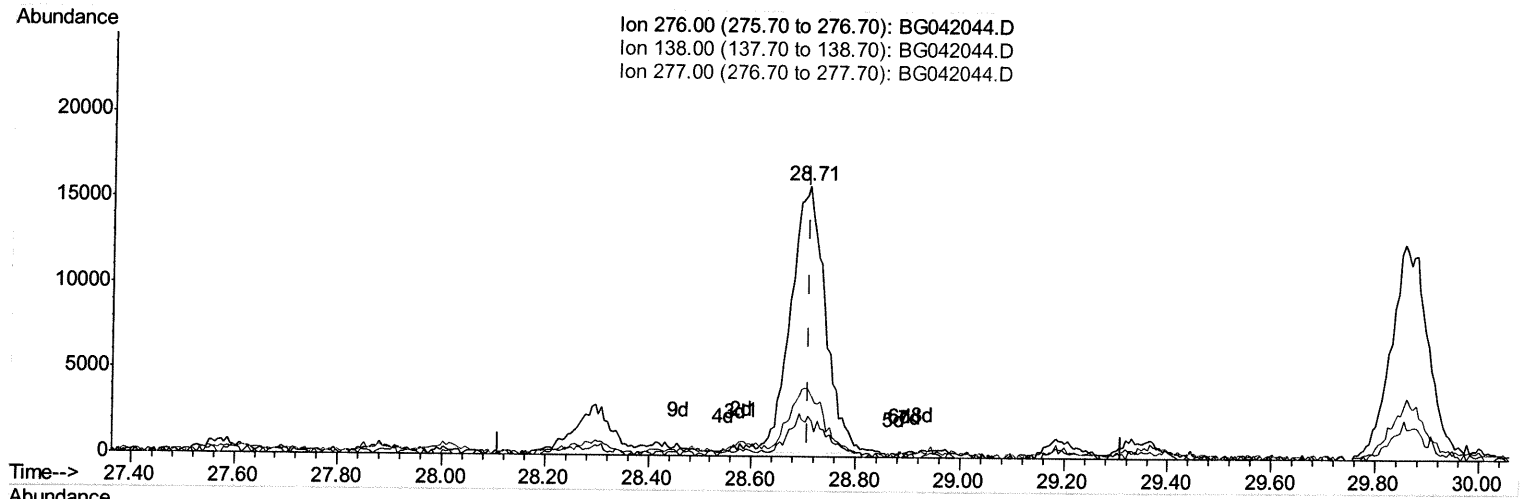
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



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

28.708min (-0.002) 1.96ng/ul m

response 70980

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 15.00 | 14.92 |
| 277.00 | 24.00 | 24.96 |
| 0.00   | 0.00  | 0.00  |

JU  
08/08/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

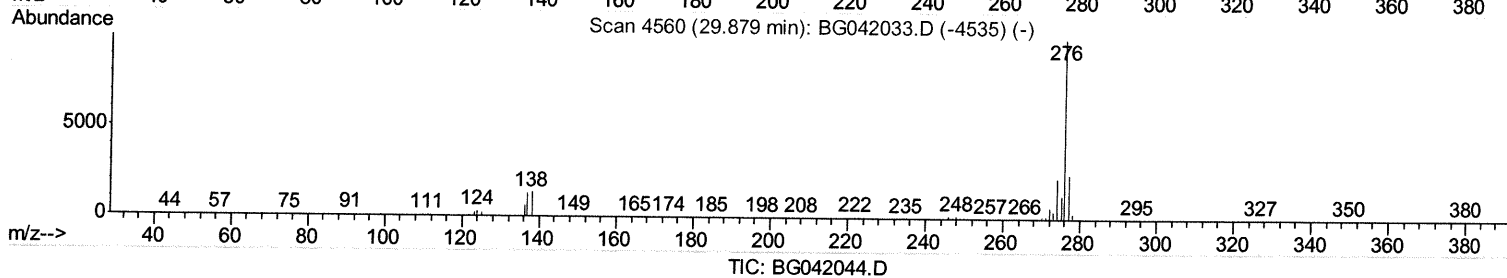
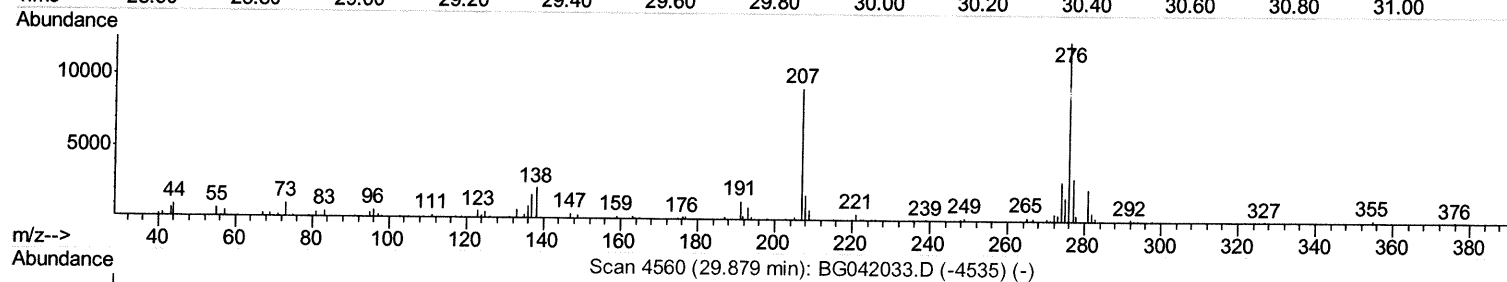
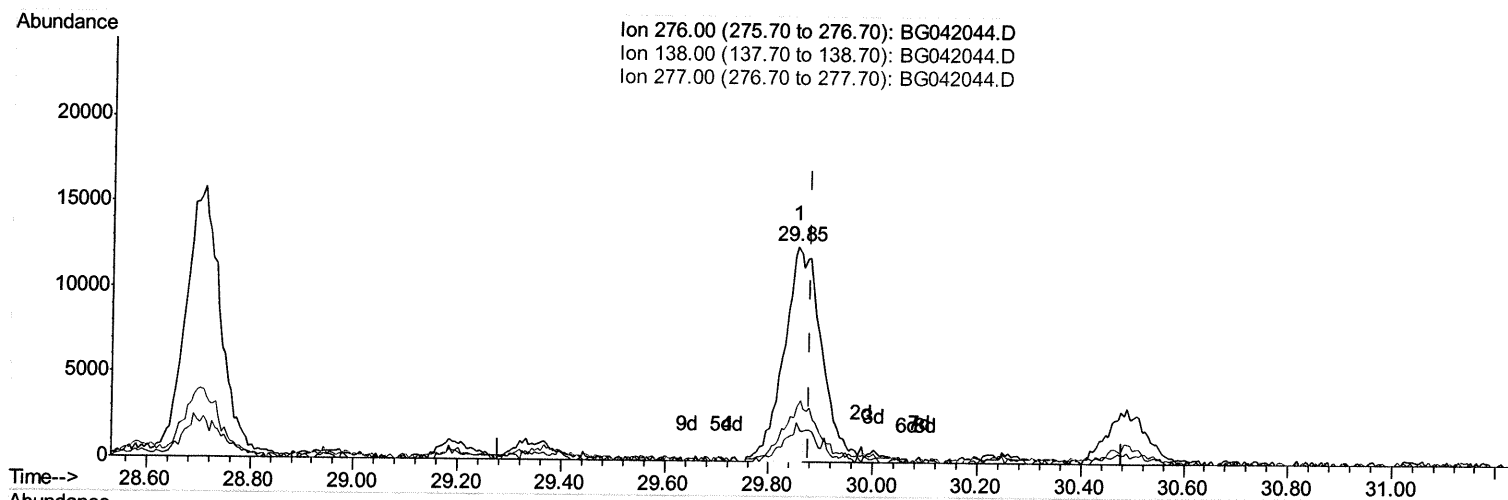
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



(93) Benzo(g,h,i)perylene

29.854min (-0.025) 1.14ng/ul

response 34562

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 15.70 | 18.10 |
| 277.00 | 24.00 | 24.90 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (Qedit)

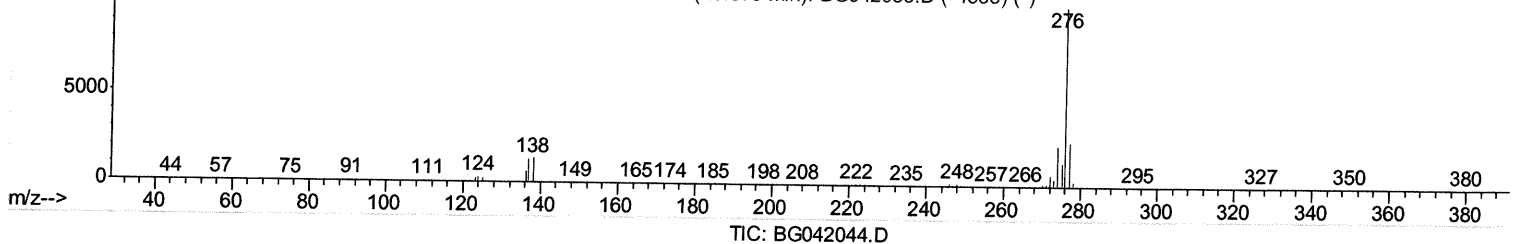
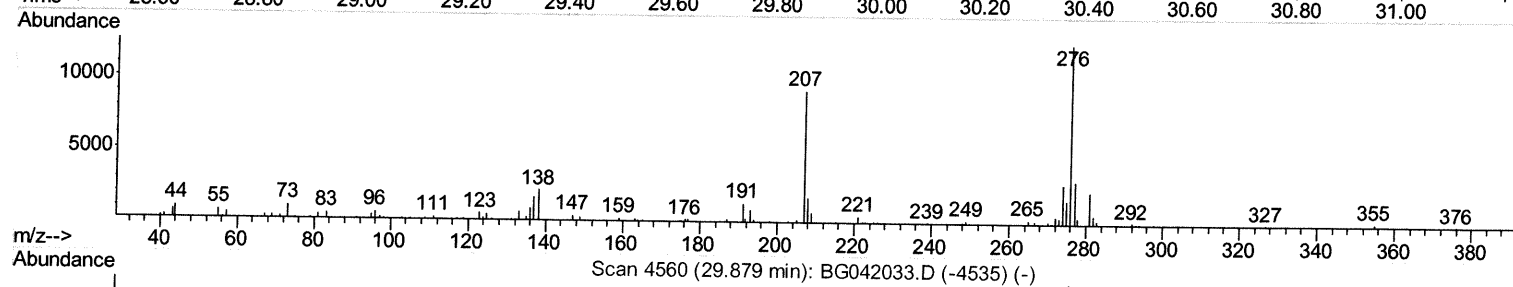
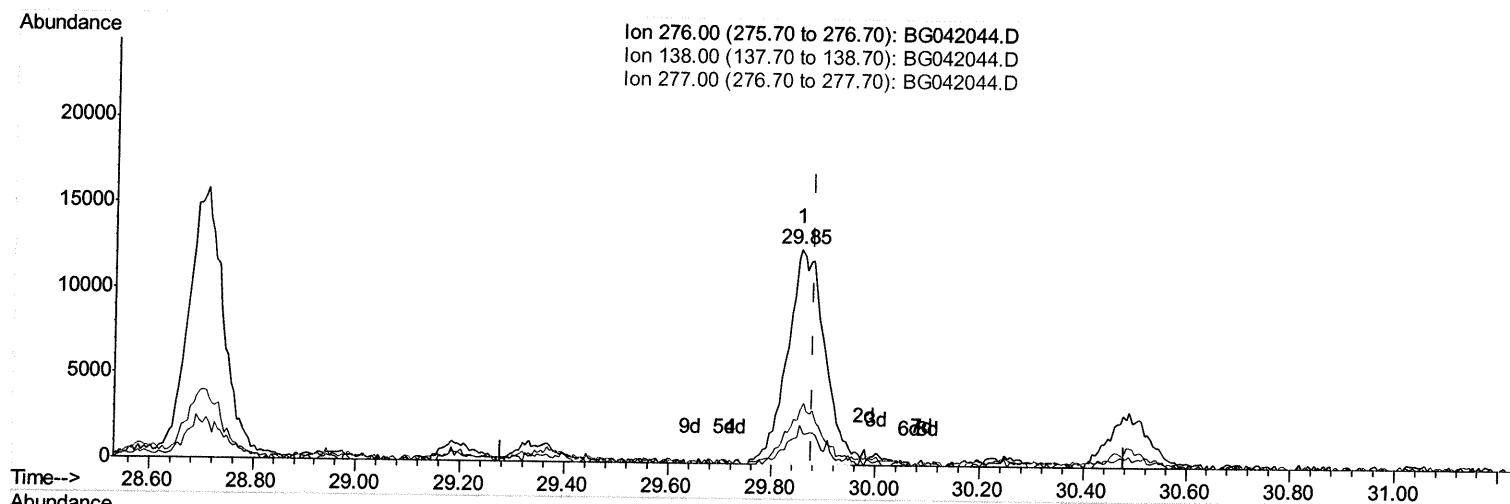
Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 01:42:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration



(93) Benzo(g,h,i)perylene

29.854min (-0.025) 2.06ng/ul m

response 62165

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 15.70 | 18.10 |
| 277.00 | 24.00 | 24.90 |
| 0.00   | 0.00  | 0.00  |

JU  
08/08/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080719\  
Quantitation Report (QT Reviewed)

Data File : BG042044.D  
Acq On : 7 Aug 2019 23:21  
Operator : HP/JU  
Sample : K4029-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENX5

Manual Integrations  
APPROVED

mohammad  
8/9/2019 4:30:29 PM

Quant Time: Aug 08 03:52:54 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 69967    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.85 | 136  | 286743   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.69 | 164  | 205636   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.44 | 188  | 444255   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.72 | 240  | 440670   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.99 | 264  | 518346   | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.41  | 96  | 8057    | 5.04  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.17  | 99  | 164147  | 29.89 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.35  | 67  | 94506   | 30.77 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.56  | 132 | 155860  | 33.20 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.73  | 113 | 120076  | 26.05 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.19  | 128 | 80559   | 37.32 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.92  | 143 | 99750   | 39.80 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.46 | 165 | 181843  | 35.94 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.98 | 131 | 184094  | 32.79 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.08 | 166 | 583785  | 36.60 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.38 | 160 | 667829  | 36.66 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.87 | 143 | 58537   | 21.86 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.68 | 176 | 512683  | 36.13 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.79 | 200 | 74756   | 26.23 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.54 | 188 | 797207  | 37.40 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.82 | 212 | 891896  | 36.27 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.76 | 264 | 1023371 | 37.79 | ng/ul | 0.00 |

Target Compounds

|                            |       |     |           | Qvalue |                     |
|----------------------------|-------|-----|-----------|--------|---------------------|
| 44) Dimethylphthalate      | 14.13 | 163 | 214625    | 13.554 | ng/ul 98            |
| 69) Phenanthrene           | 17.48 | 178 | 75077     | 3.087  | ng/ul 97            |
| 76) Fluoranthene           | 19.49 | 202 | 191732m → | 6.823  | ng/ul JU 08/08/19   |
| 79) Pyrene                 | 19.85 | 202 | 176174    | 5.943  | ng/ul 96            |
| 82) Benzo(a)anthracene     | 21.70 | 228 | 107878    | 3.531  | ng/ul 99            |
| 84) Chrysene               | 21.76 | 228 | 112725    | 3.953  | ng/ul 96            |
| 87) Benzo(b)fluoranthene   | 23.95 | 252 | 144976    | 4.457  | ng/ul 99            |
| 88) Benzo(k)fluoranthene   | 24.01 | 252 | 53923m →  | 1.724  | ng/ul →             |
| 90) Benzo(a)pyrene         | 24.83 | 252 | 106213m → | 3.427  | ng/ul → JU 08/08/19 |
| 91) Indeno(1,2,3-cd)pyrene | 28.71 | 276 | 70980m →  | 1.963  | ng/ul →             |
| 93) Benzo(g,h,i)perylene   | 29.85 | 276 | 62165m →  | 2.059  | ng/ul →             |

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