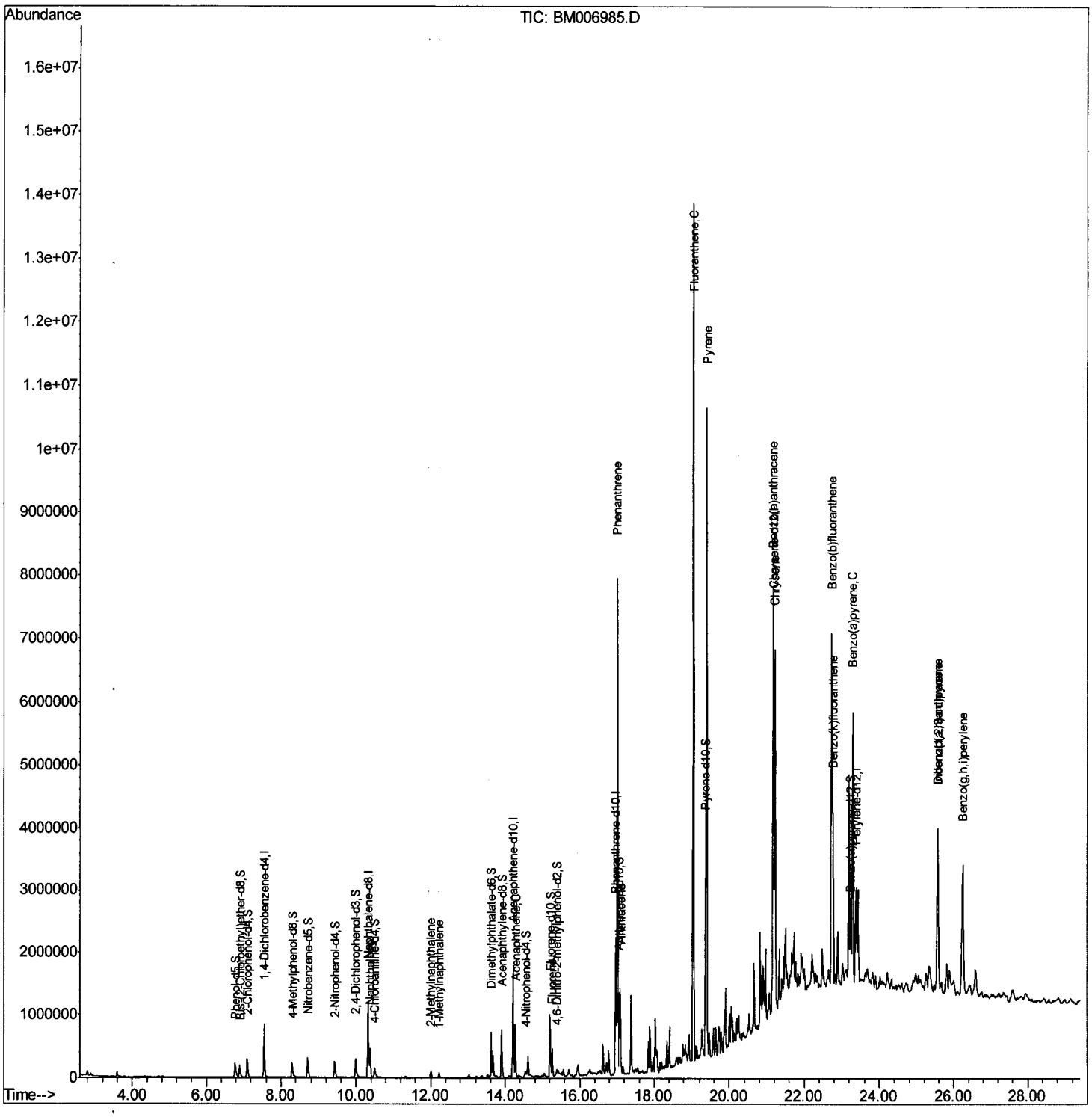
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\
Data File : BM006985.D
Acq On : 08 Aug 2016 09:23
Operator : UM/SJ
Sample : H4302-07 2X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 08 16:40:56 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA0H1

**Manual Integrations APPROVED**
sohil
8/8/2016 7:09:15 PM



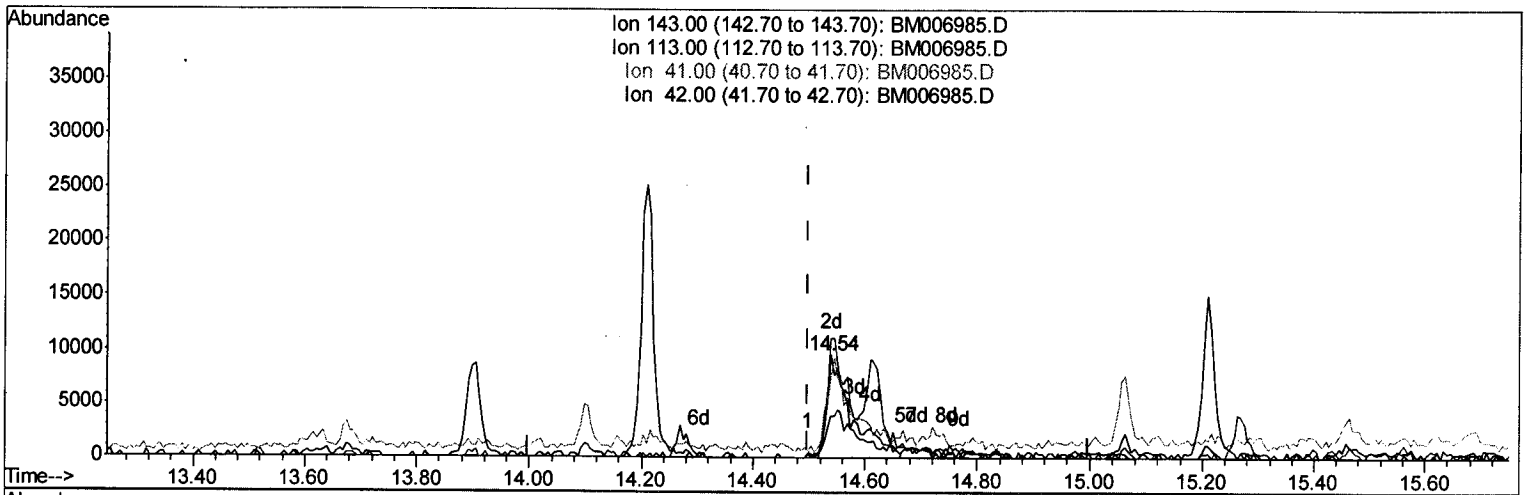
Quantitation Report (Qedit)

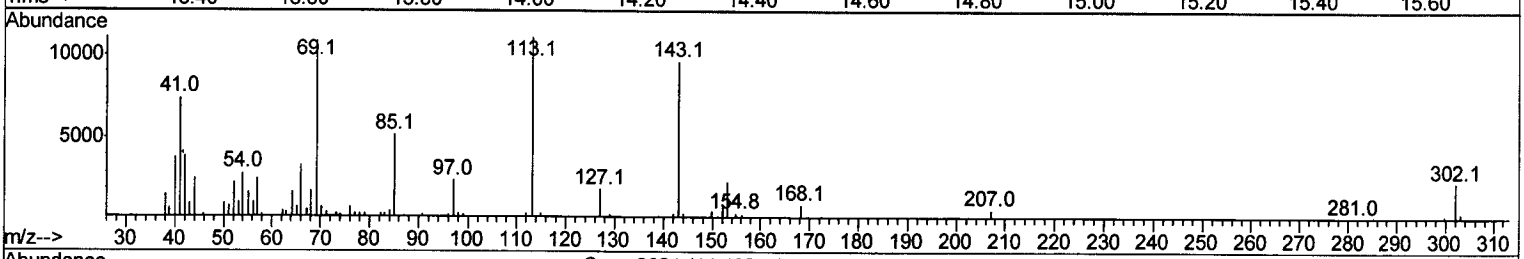
Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\
Data File : BM006985.D
Acq On : 08 Aug 2016 09:23
Operator : UM/SJ
Sample : H4302-07 2X
Misc :
ALS Vial : 48 Sample Multiplier: 1

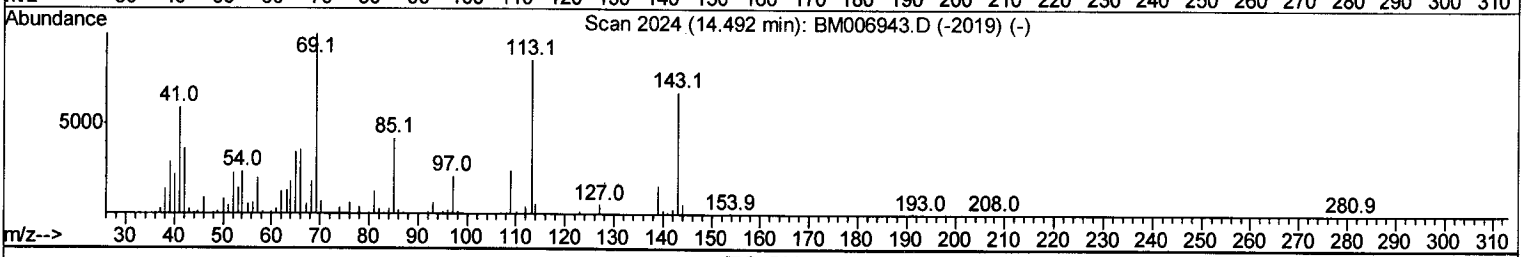
Quant Time: Aug 08 15:39:25 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA0H1

**Manual Integrations APPROVED**
sohil
8/8/2016 7:09:15 PM




TIC: BM006985.D

(20) 4-Nitrophenol-d4 (S)

14.539min (+0.041) 4.61ng/ul m U.M 08/11/16

response 30250

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 129.40 | 115.21 |
| 41.00 | 81.50 | 77.20 |
| 42.00 | 59.10 | 40.89# |

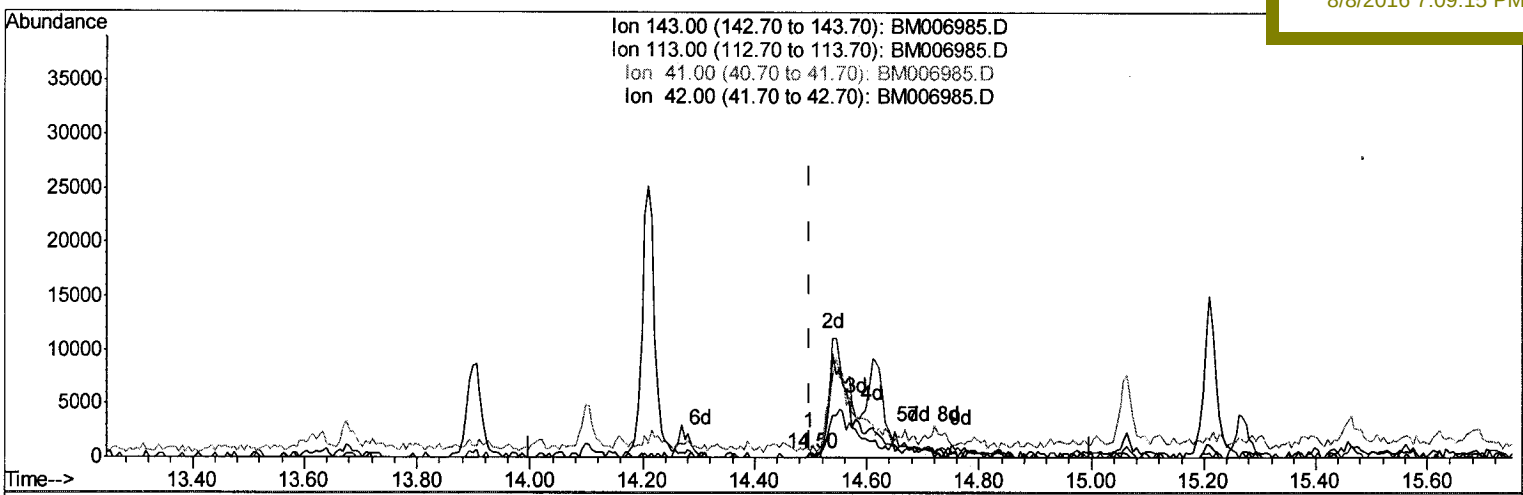
# Quantitation Report (Qedit)

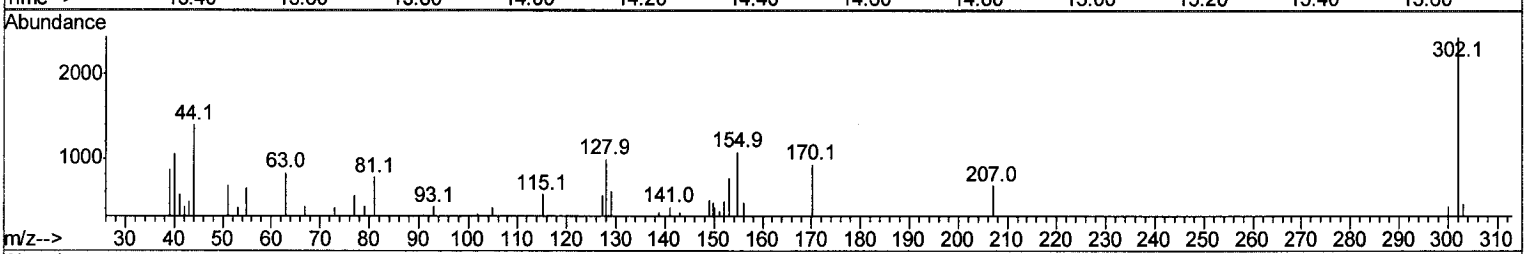
Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\
Data File : BM006985.D
Acq On : 08 Aug 2016 09:23
Operator : UM/SJ
Sample : H4302-07 2X
Misc :
ALS Vial : 48 Sample Multiplier: 1

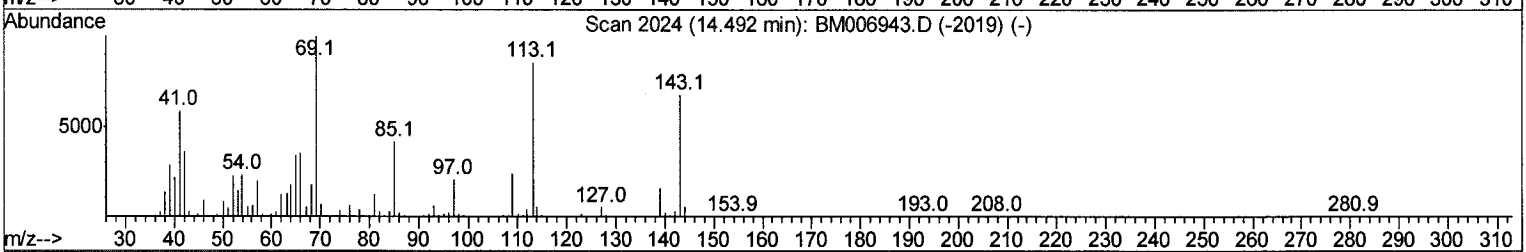
Quant Time: Aug 08 15:39:25 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA0H1

**Manual Integrations APPROVED**
sohil
8/8/2016 7:09:15 PM




TIC: BM006985.D

(20) 4-Nitrophenol-d4 (S)

14.498min (+0.000) 0.02ng/ul

response 127

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 129.40 | 0.00# |
| 41.00 | 81.50 | 158.77# |
| 42.00 | 59.10 | 120.06# |

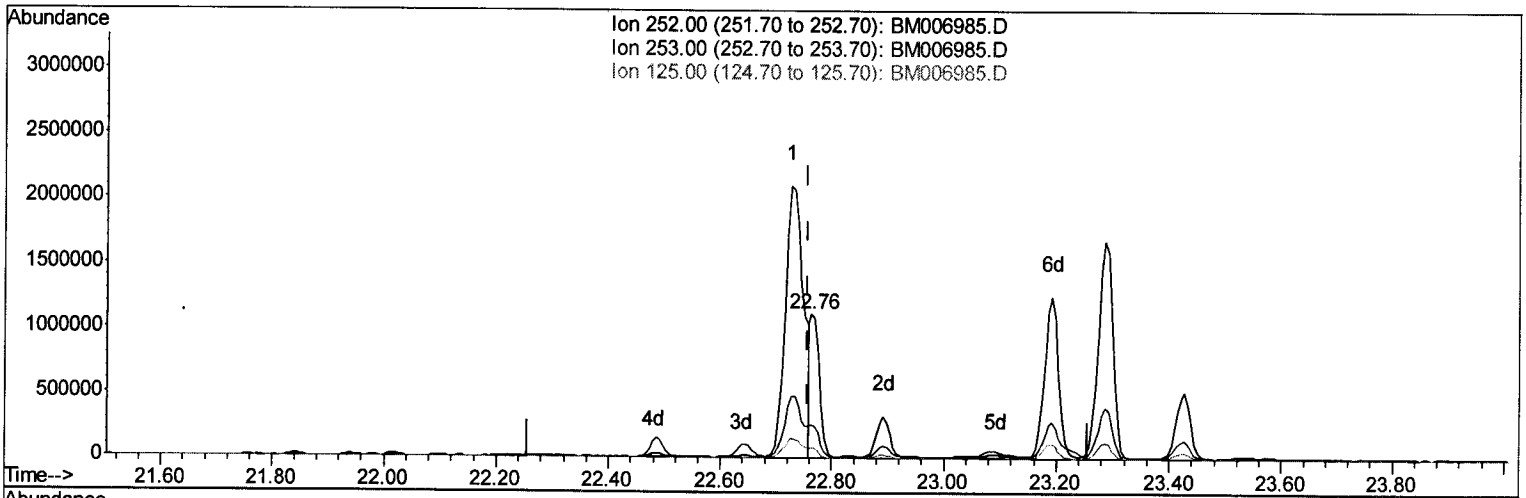
Quantitation Report (Qedit)

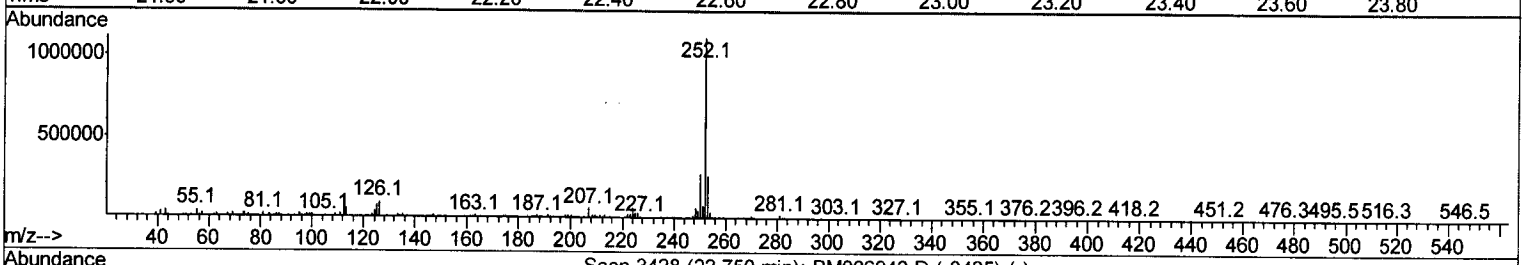
Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\
Data File : BM006985.D
Acq On : 08 Aug 2016 09:23
Operator : UM/SJ
Sample : H4302-07 2X
Misc :
ALS Vial : 48 Sample Multiplier: 1

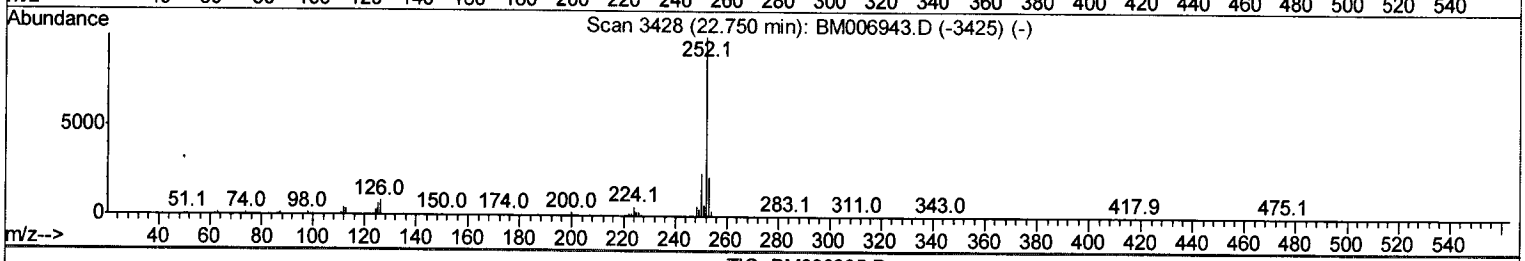
Quant Time: Aug 08 15:39:25 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** DA0H1

**Manual Integrations APPROVED**
sohil
8/8/2016 7:09:15 PM




TIC: BM006985.D

(36) Benzo(k)fluoranthene

22.762min (+0.006) 19.27ng/ul m U.M 08/11/16

response 1286813

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.50 | 23.28 |
| 125.00 | 6.40 | 6.83 |
| 0.00 | 0.00 | 0.00 |

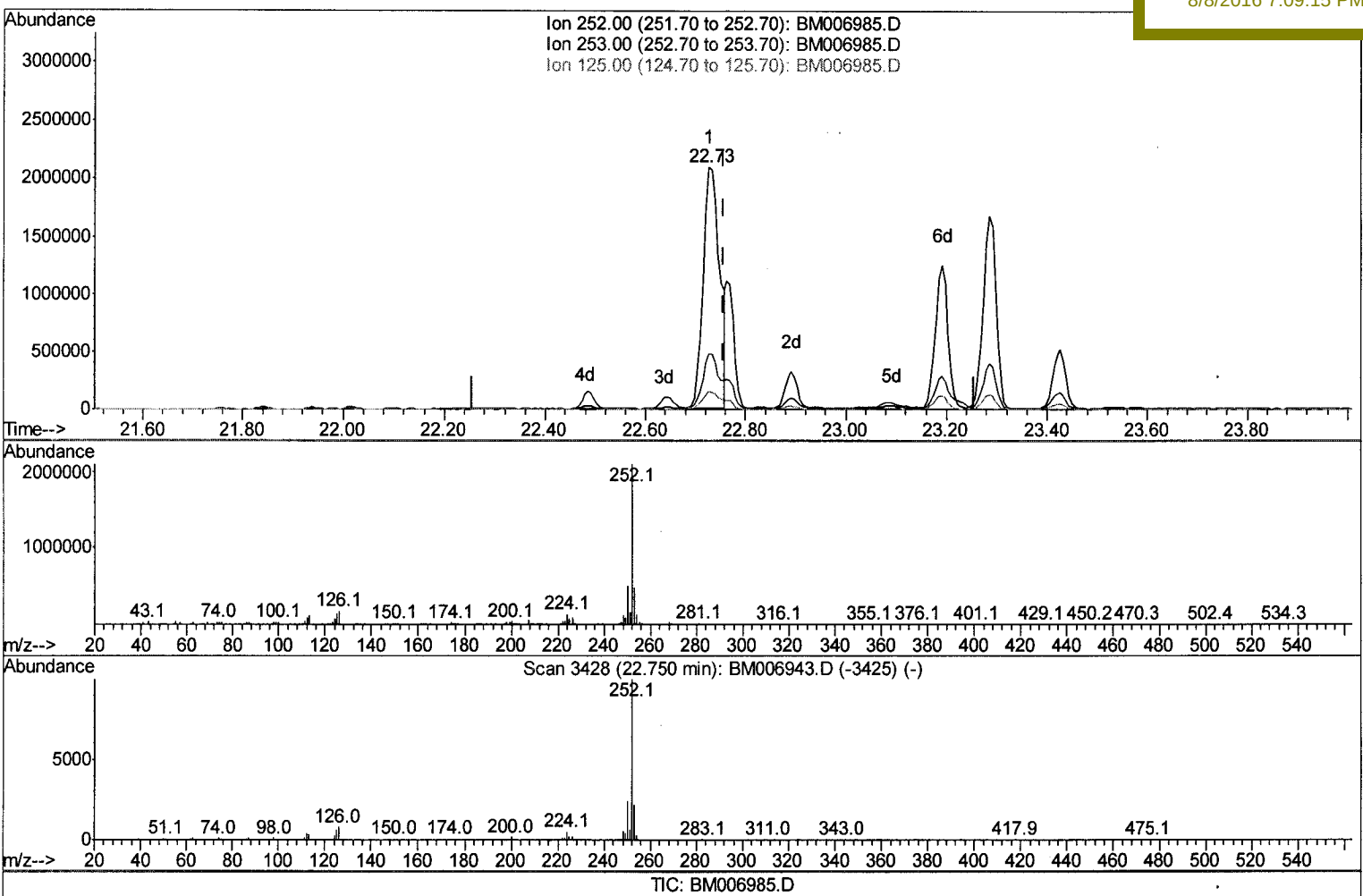
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\
Data File : BM006985.D
Acq On : 08 Aug 2016 09:23
Operator : UM/SJ
Sample : H4302-07 2X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 08 15:39:25 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA0H1

**Manual Integrations APPROVED**
sohil
8/8/2016 7:09:15 PM










TIC: BM006985.D

(36) Benzo(k)fluoranthene

22.727min (-0.029) 69.86ng/ul

response 4665256

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.50 | 22.67 |
| 125.00 | 6.40 | 7.17 |
| 0.00 | 0.00 | 0.00 |

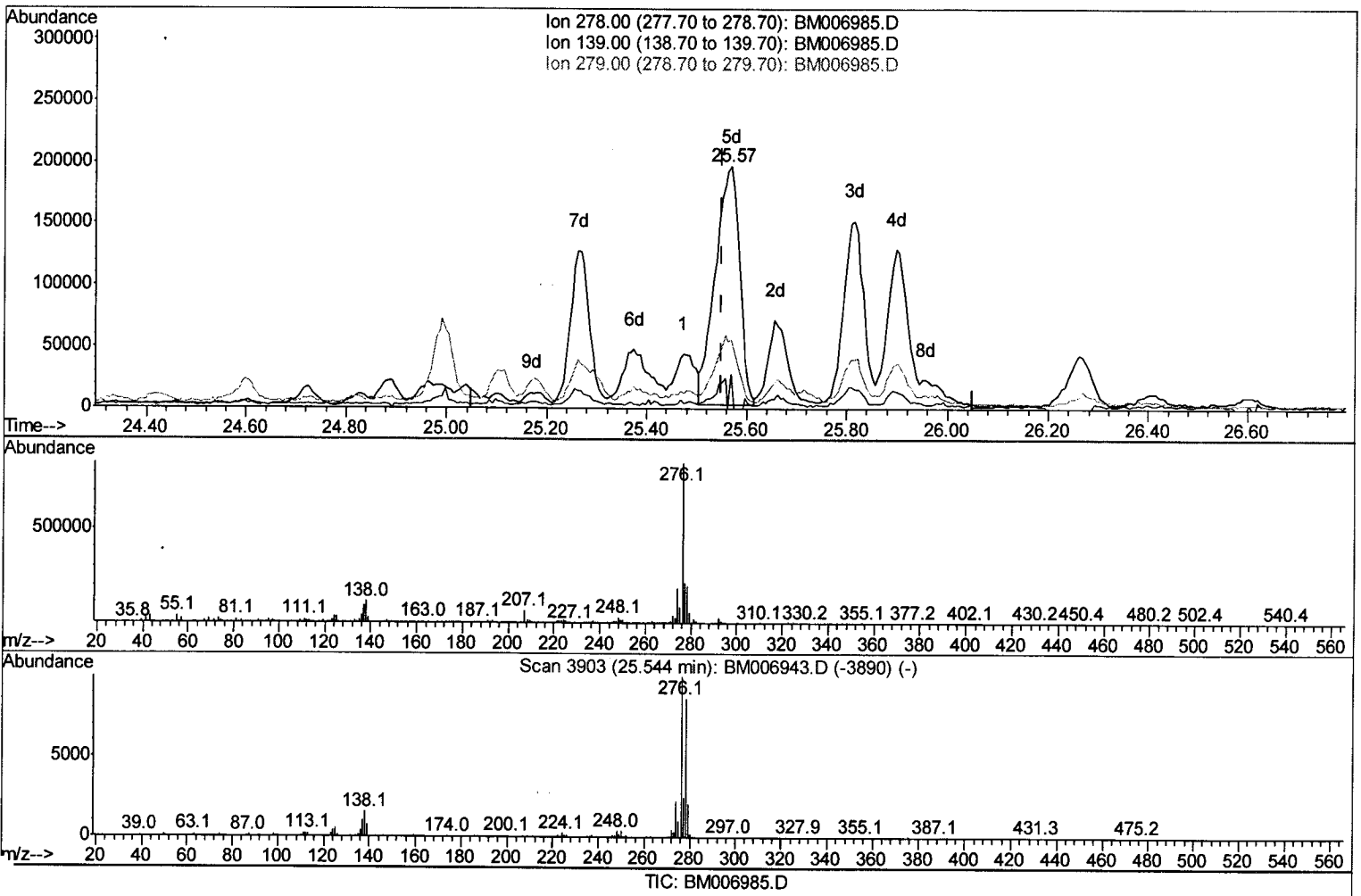
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\
Data File : BM006985.D
Acq On : 08 Aug 2016 09:23
Operator : UM/SJ
Sample : H4302-07 2X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 08 15:39:25 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA0H1

**Manual Integrations APPROVED**
sohil
8/8/2016 7:09:15 PM



TIC: BM006985.D

(40) Dibenzo(a,h)anthracene

25.568min (+0.018) 12.22ng/ul m U.M 08/11/16

response 654328

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 9.40 | 14.48# |
| 279.00 | 23.70 | 28.51# |
| 0.00 | 0.00 | 0.00 |

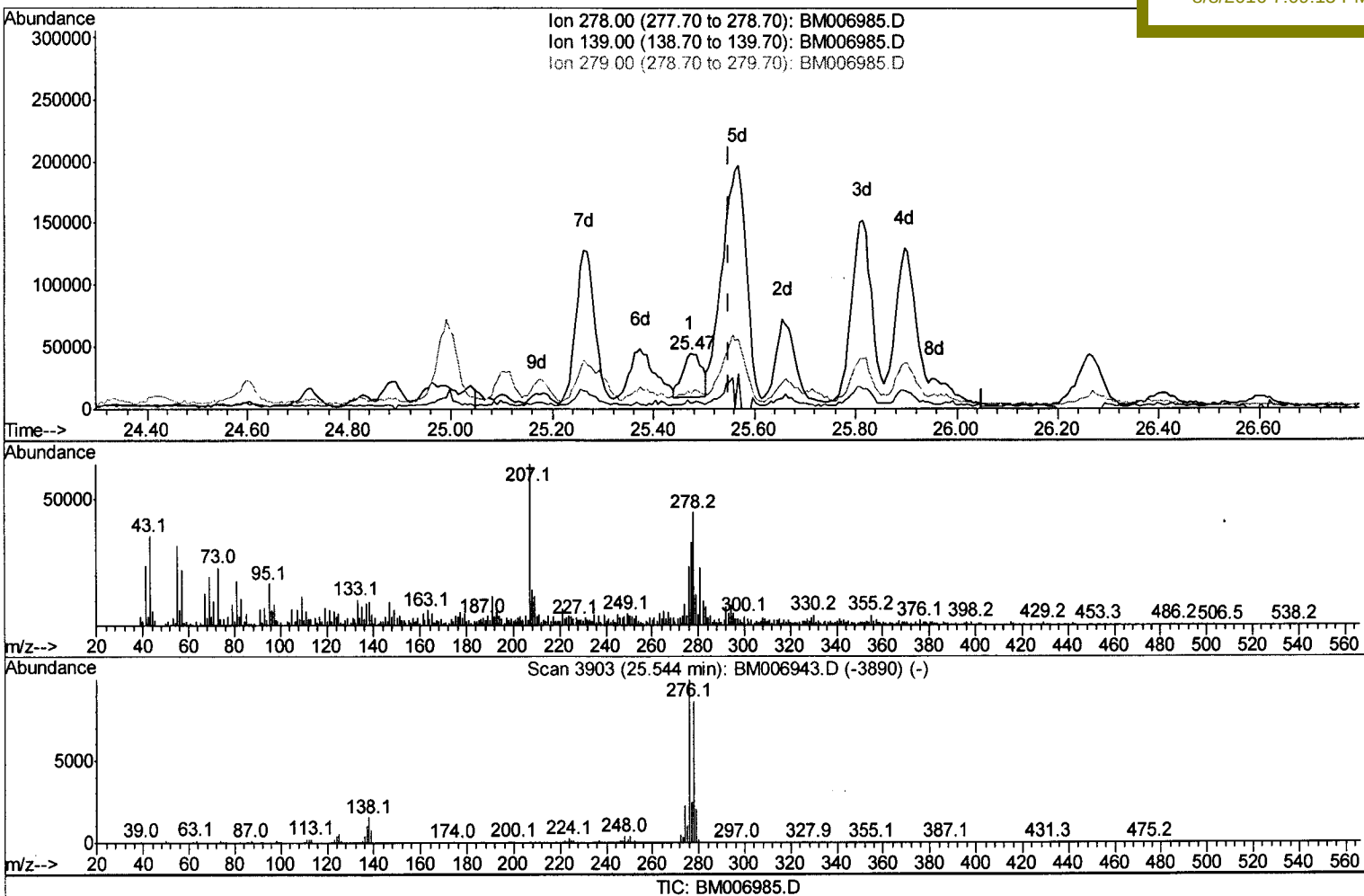
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\
Data File : BM006985.D
Acq On : 08 Aug 2016 09:23
Operator : UM/SJ
Sample : H4302-07 2X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 08 15:39:25 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA0H1

**Manual Integrations APPROVED**
sohil
8/8/2016 7:09:15 PM










TIC: BM006985.D

(40) Dibenzo(a,h)anthracene

25.474min (-0.076) 1.76ng/ul

response 94423

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 9.40 | 10.10 |
| 279.00 | 23.70 | 28.38 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM080716\
Data File : BM006985.D
Acq On : 08 Aug 2016 09:23
Operator : UM/SJ
Sample : H4302-07 2X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA0H1

Manual Integrations APPROVED
sohil
8/8/2016 7:09:15 PM

Quant Time: Aug 08 16:40:56 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080616.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 08 15:12:48 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 191611 | 20.00 | ng/ul | 0.00 |
| 7) Naphthalene-d8 | 10.33 | 136 | 856365 | 20.00 | ng/ul | 0.00 |
| 15) Acenaphthene-d10 | 14.21 | 164 | 513648 | 20.00 | ng/ul | 0.00 |
| 23) Phenanthrene-d10 | 16.97 | 188 | 1224359 | 20.00 | ng/ul | 0.00 |
| 29) Chrysene-d12 | 21.19 | 240 | 1192438 | 20.00 | ng/ul | 0.00 |
| 34) Perylene-d12 | 23.37 | 264 | 1059639 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.09 | 96 | 2900 | 0.69 | ng/uL | 0.00 |
| 3) Phenol-d5 | 6.77 | 99 | 122890 | 6.76 | ng/ul | 0.01 |
| 4) Bis-(2-Chloroethyl)ether-d | 6.90 | 67 | 95480 | 8.38 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4 | 7.10 | 132 | 107467 | 8.29 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8 | 8.30 | 113 | 94168 | 6.21 | ng/ul | 0.01 |
| 8) Nitrobenzene-d5 | 8.72 | 128 | 59424 | 9.34 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4 | 9.43 | 143 | 59591 | 7.82 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3 | 9.99 | 165 | 116154 | 8.04 | ng/ul | 0.02 |
| 12) 4-Chloroaniline-d4 | 10.50 | 131 | 92518 | 5.37 | ng/ul | 0.02 |
| 16) Dimethylphthalate-d6 | 13.63 | 166 | 406300 | 8.99 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8 | 13.90 | 160 | 518795 | 9.92 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4 | 14.54 | 143 | 30250m | 4.61 | ng/ul | 0.04 |
| 21) Fluorene-d10 | 15.21 | 176 | 371433 | 9.67 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 9777 | 1.93 | ng/ul | 0.02 |
| 26) Anthracene-d10 | 17.07 | 188 | 587844 | 9.94 | ng/ul | 0.00 |
| 30) Pyrene-d10 | 19.38 | 212 | 653224 | 11.49 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12 | 23.24 | 264 | 490457 | 9.72 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 11) Naphthalene | 10.37 | 128 | 317796 | 7.23 | ng/ul | 100 |
| 13) 2-Methylnaphthalene | 12.00 | 142 | 51705 | 1.47 | ng/ul | 92 |
| 14) 1-Methylnaphthalene | 12.22 | 142 | 34963 | 1.03 | ng/ul | 91 |
| 19) Acenaphthene | 14.27 | 153 | 312114 | 8.73 | ng/ul | 96 |
| 22) Fluorene | 15.27 | 166 | 187692 | 4.15 | ng/ul | 99 |
| 25) Phenanthrene | 17.02 | 178 | 4410947 | 64.41 | ng/ul | 98 |
| 27) Anthracene | 17.10 | 178 | 783792 | 10.93 | ng/ul | 99 |
| 28) Fluoranthene | 19.04 | 202 | 7945945 | 95.37 | ng/ul# | 97 |
| 31) Pyrene | 19.42 | 202 | 6357806 | 85.79 | ng/ul | 99 |
| 32) Benzo(a)anthracene | 21.17 | 228 | 3192448 | 45.13 | ng/ul | 98 |
| 33) Chrysene | 21.22 | 228 | 2854880 | 45.84 | ng/ul | 97 |
| 35) Benzo(b)fluoranthene | 22.73 | 252 | 4665256 | 67.47 | ng/ul | 98 |
| 36) Benzo(k)fluoranthene | 22.76 | 252 | 1286813m | 19.27 | ng/ul | |
| 38) Benzo(a)pyrene | 23.29 | 252 | 3015222 | 48.09 | ng/ul | 99 |
| 39) Indeno(1,2,3-cd)pyrene | 25.57 | 276 | 2491578 | 39.17 | ng/ul | 97 |
| 40) Dibenzo(a,h)anthracene | 25.57 | 278 | 654328m | 12.22 | ng/ul | |
| 41) Benzo(g,h,i)perylene | 26.25 | 276 | 2404262 | 47.99 | ng/ul | 98 |

U.M 08/11/16

U.M 08/11/16

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