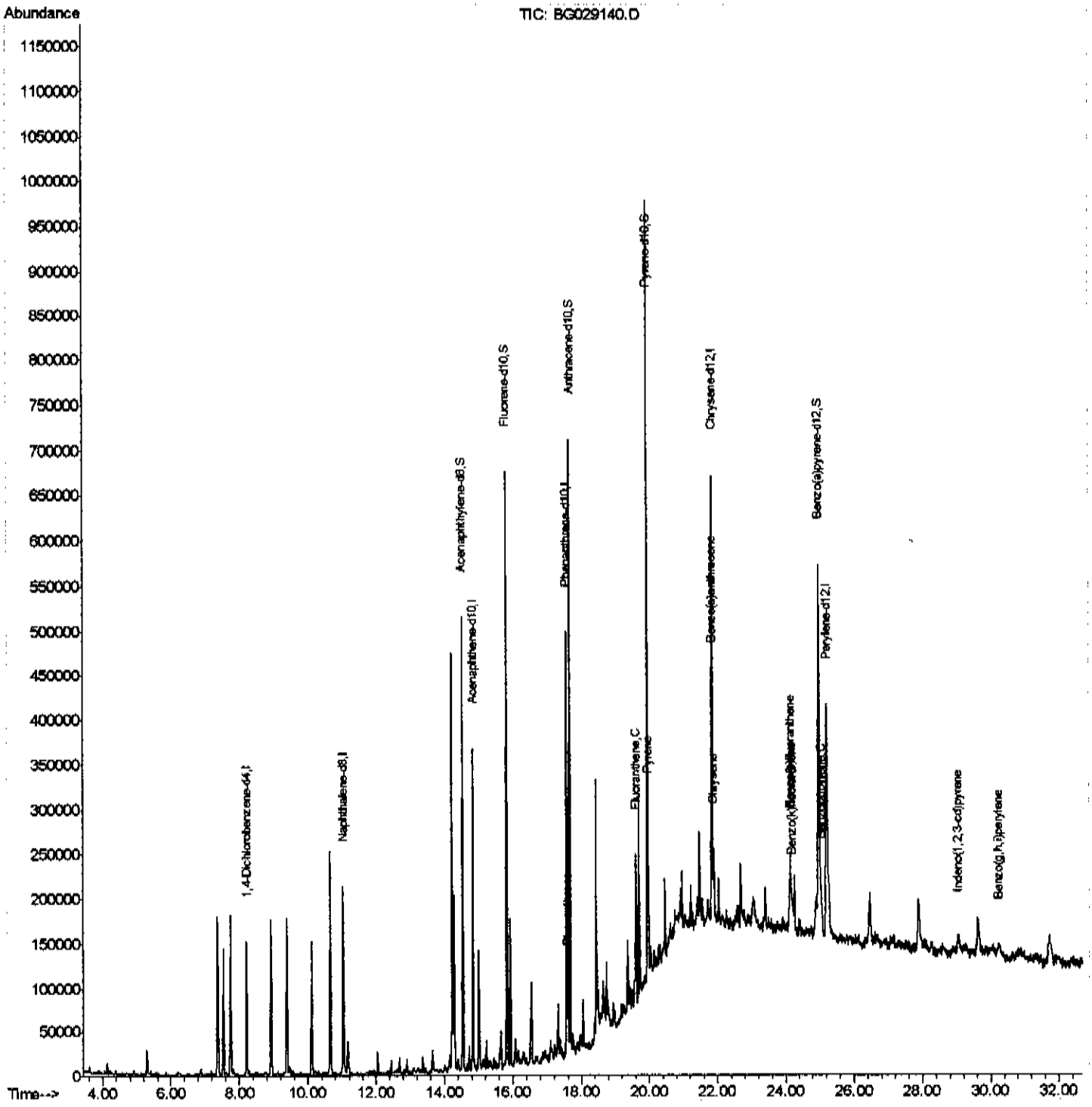
**Instrument :**
BNA_G
**ClientSampleId :**
DAH96

**Manual Integrations APPROVED**
Sohil
10/11/2017 3:34:21 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\
Data File : BG029140.D
Acq On : 10 Oct 2017 14:24
Operator : SJ/JU
Sample : I5576-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 04:50:09 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
OLast Update : Wed Oct 11 04:15:46 2017
Response via : Initial Calibration



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\
Data File : BG029140.D
Acq On : 10 Oct 2017 14:24
Operator : SJ/JU
Sample : I5576-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 04:17:07 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 04:15:46 2017
Response via : Initial Calibration

**Instrument :**
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**ClientSampleId :**
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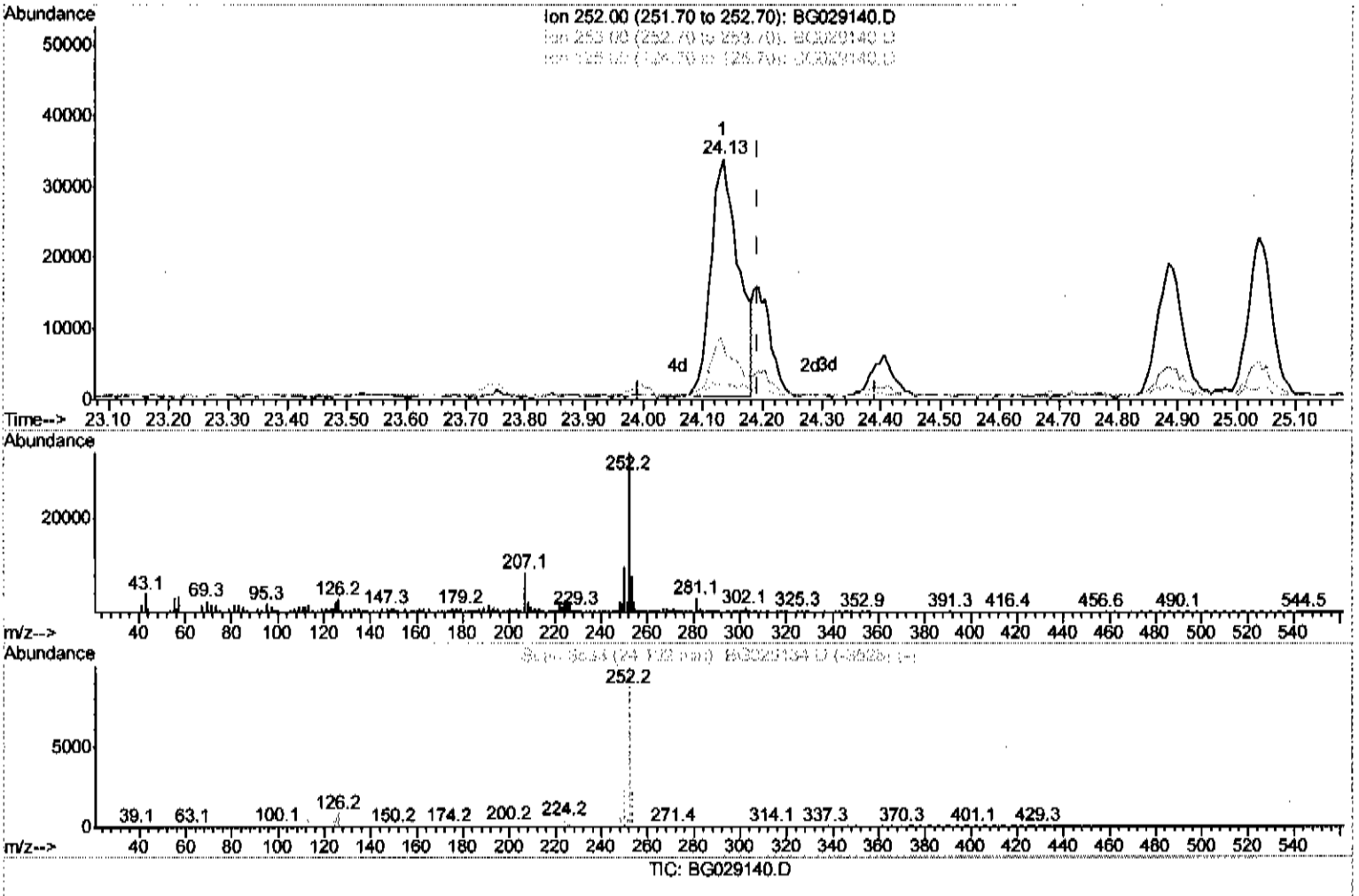


(24) Benzo(k)fluoranthene

24.134min (-0.058) 5.94ng/ul

response 108622

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.50 | 23.30 |
| 125.00 | 10.10 | 6.74# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\
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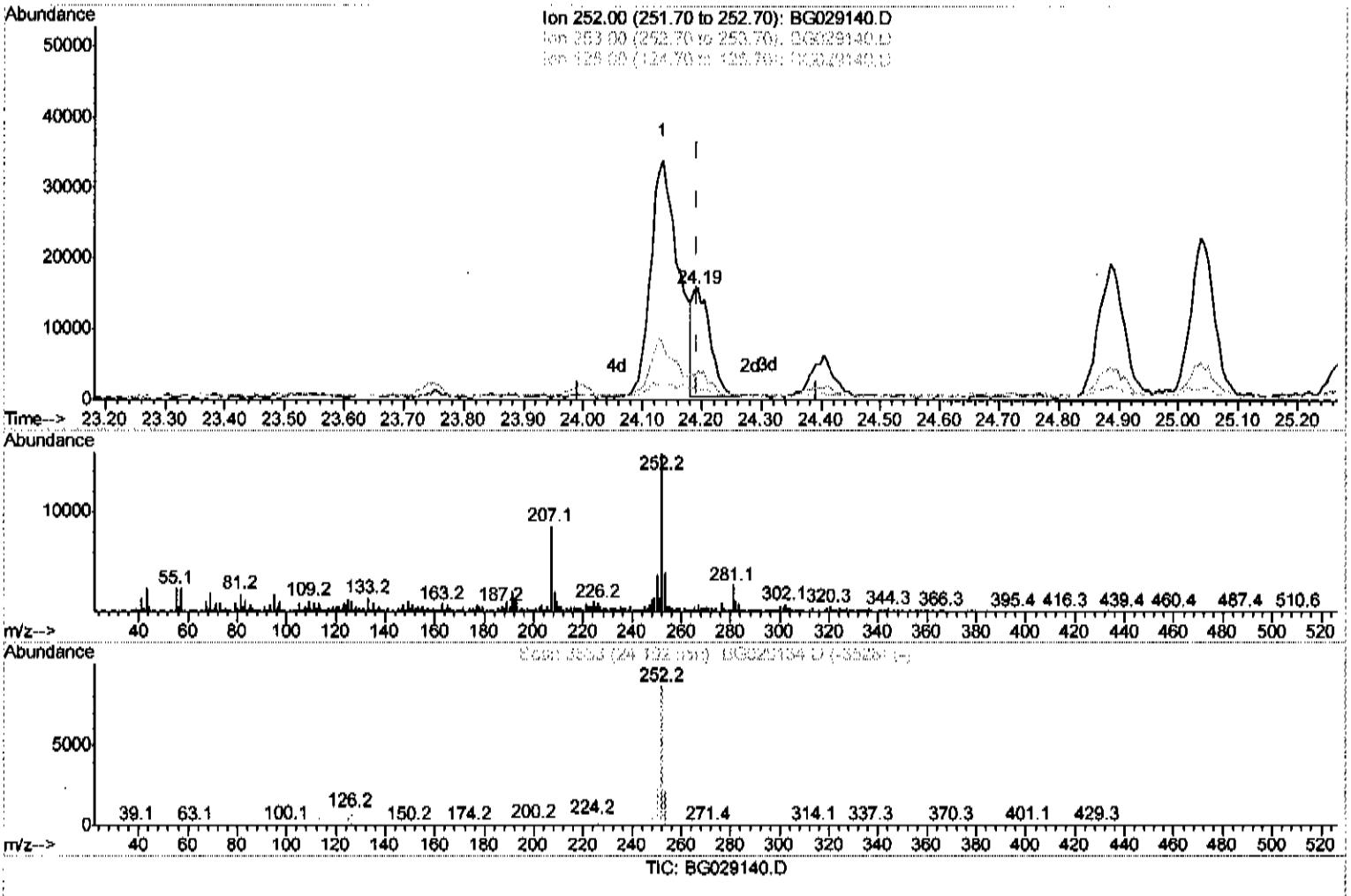
**Instrument :**
BNA_G
**ClientSampleId :**
DAH96

**Manual Integrations APPROVED**
Sohil
10/11/2017 3:34:21 PM




(24) Benzo(k)fluoranthene

24.192min (+0.001) 1.69ng/ul m JU 10/11/17

response 30936

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.50 | 25.65 |
| 125.00 | 10.10 | 8.29 |
| 0.00 | 0.00 | 0.00 |

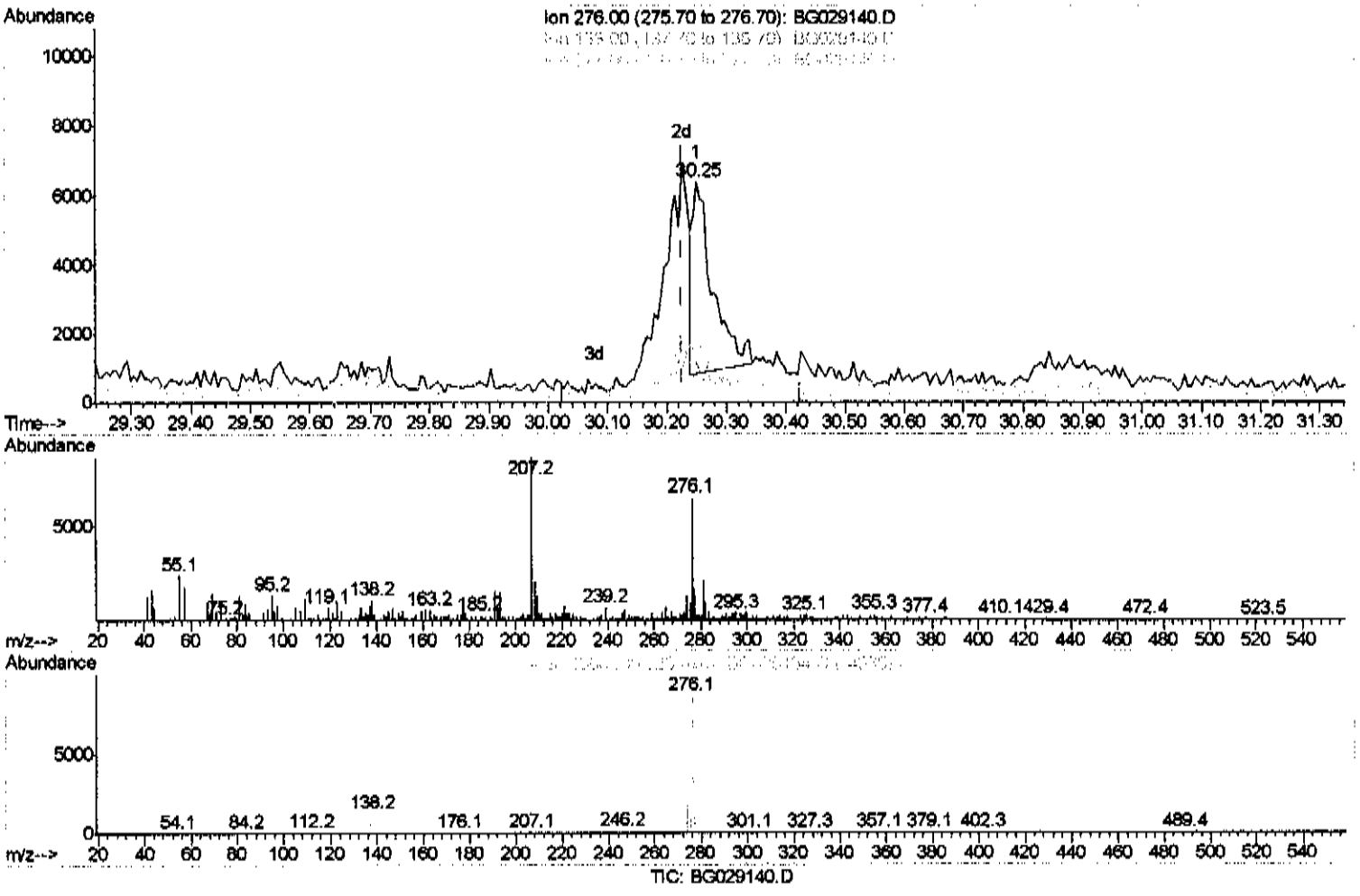
**Instrument :**
BNA_G
**ClientSampleId :**
DAH96

**Manual Integrations APPROVED**
Sohil
10/11/2017 3:34:21 PM

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\
Data File : BG029140.D
Acq On : 10 Oct 2017 14:24
Operator : SJ/JU
Sample : I5576-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 04:48:51 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 04:15:46 2017
Response via : Initial Calibration




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

30.249min (+0.024) 0.77ng/ul

response 13155

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 19.10 | 18.74 |
| 277.00 | 23.70 | 26.90 |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_G
**ClientSampleId :**
DAH96

**Manual Integrations APPROVED**
Sohil
10/11/2017 3:34:21 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\
Data File : BG029140.D
Acq On : 10 Oct 2017 14:24
Operator : SJ/JU
Sample : I5576-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 04:48:51 2017
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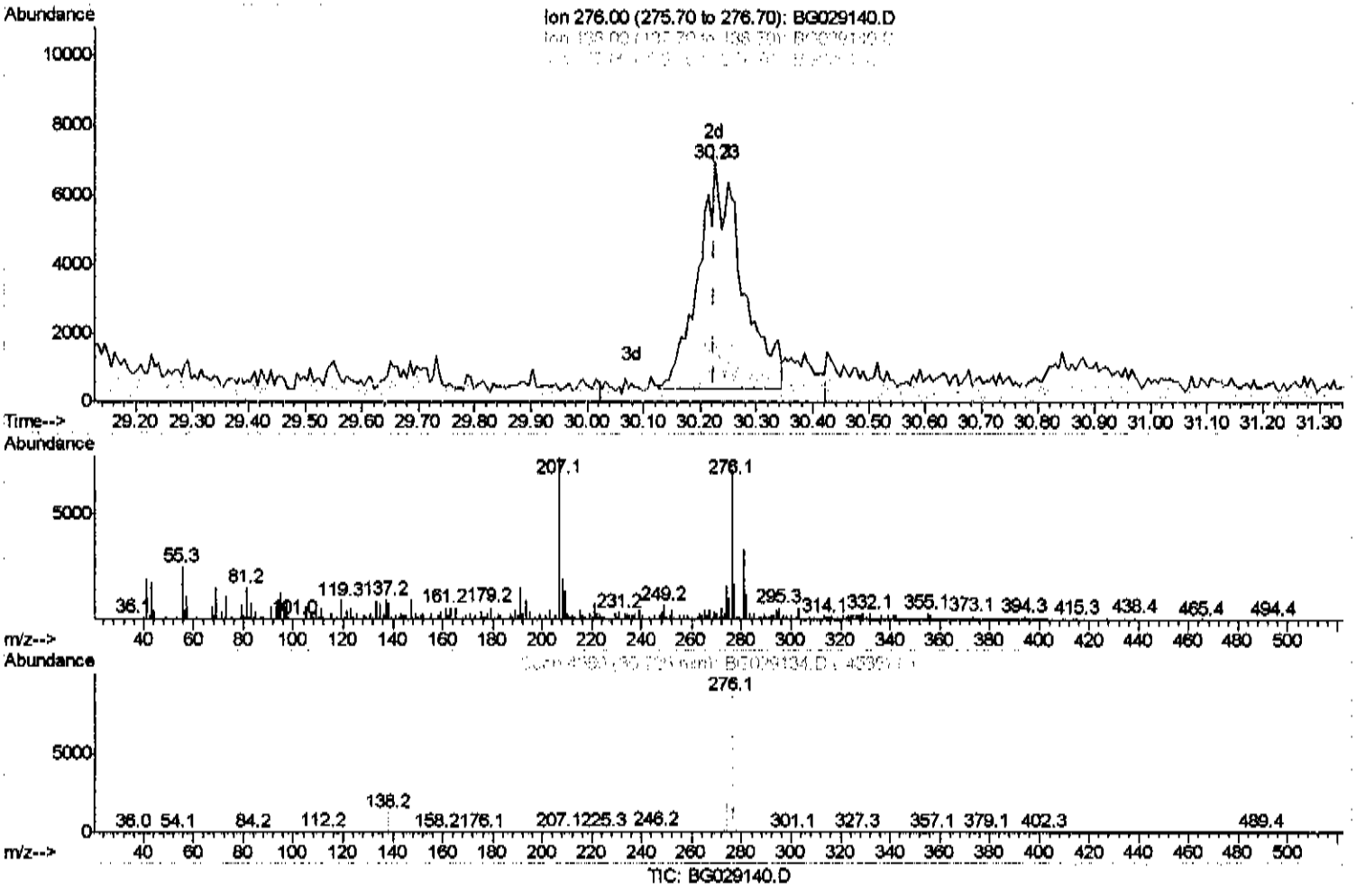
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 04:15:46 2017
Response via : Initial Calibration




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

30.225min (+0.001) 2.09ng/ul m JU 10/11/17

response 35586

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 19.10 | 12.96# |
| 277.00 | 23.70 | 25.80 |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_G
**ClientSampleId :**
DAH96

**Manual Integrations APPROVED**
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10/11/2017 3:34:21 PM

# Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 04:15:46 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.21 | 152 | 43692 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.03 | 136 | 186726 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.83 | 164 | 122574 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.57 | 188 | 285380 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.85 | 240 | 306159 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 25.20 | 264 | 312951 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 14.52 | 160 | 375793 | 29.48 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 15.82 | 176 | 284983 | 30.82 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 17.67 | 188 | 413047 | 29.88 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 19.93 | 212 | 489054 | 31.22 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.97 | 264 | 463726 | 30.93 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 13) Phenanthrene | 17.61 | 178 | 45445 | 2.985 | ng/ul | 97 |
| 16) Fluoranthene | 19.60 | 202 | 92317 | 5.174 | ng/ul# | 87 |
| 19) Pyrene | 19.96 | 202 | 79374 | 4.159 | ng/ul# | 89 |
| 20) Benzo(a)anthracene | 21.83 | 228 | 54196 | 3.006 | ng/ul | 93 |
| 21) Chrysene | 21.89 | 228 | 67773 | 4.105 | ng/ul | 96 |
| 23) Benzo(b)fluoranthene | 24.13 | 252 | 103207 | 5.513 | ng/ul# | 96 |
| 24) Benzo(k)fluoranthene | 24.19 | 252 | 30936m> | 1.693 | ng/ul | |
| 26) Benzo(a)pyrene | 25.04 | 252 | 60313 | 3.317 | ng/ul# | 94 |
| 27) Indeno(1,2,3-cd)pyrene | 29.04 | 276 | 43839 | 2.124 | ng/ul# | 92 |
| 29) Benzo(g,h,i)perylene | 30.23 | 276 | 35586m> | 2.091 | ng/ul | |

JU 10/11/17

JU 10/11/17

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