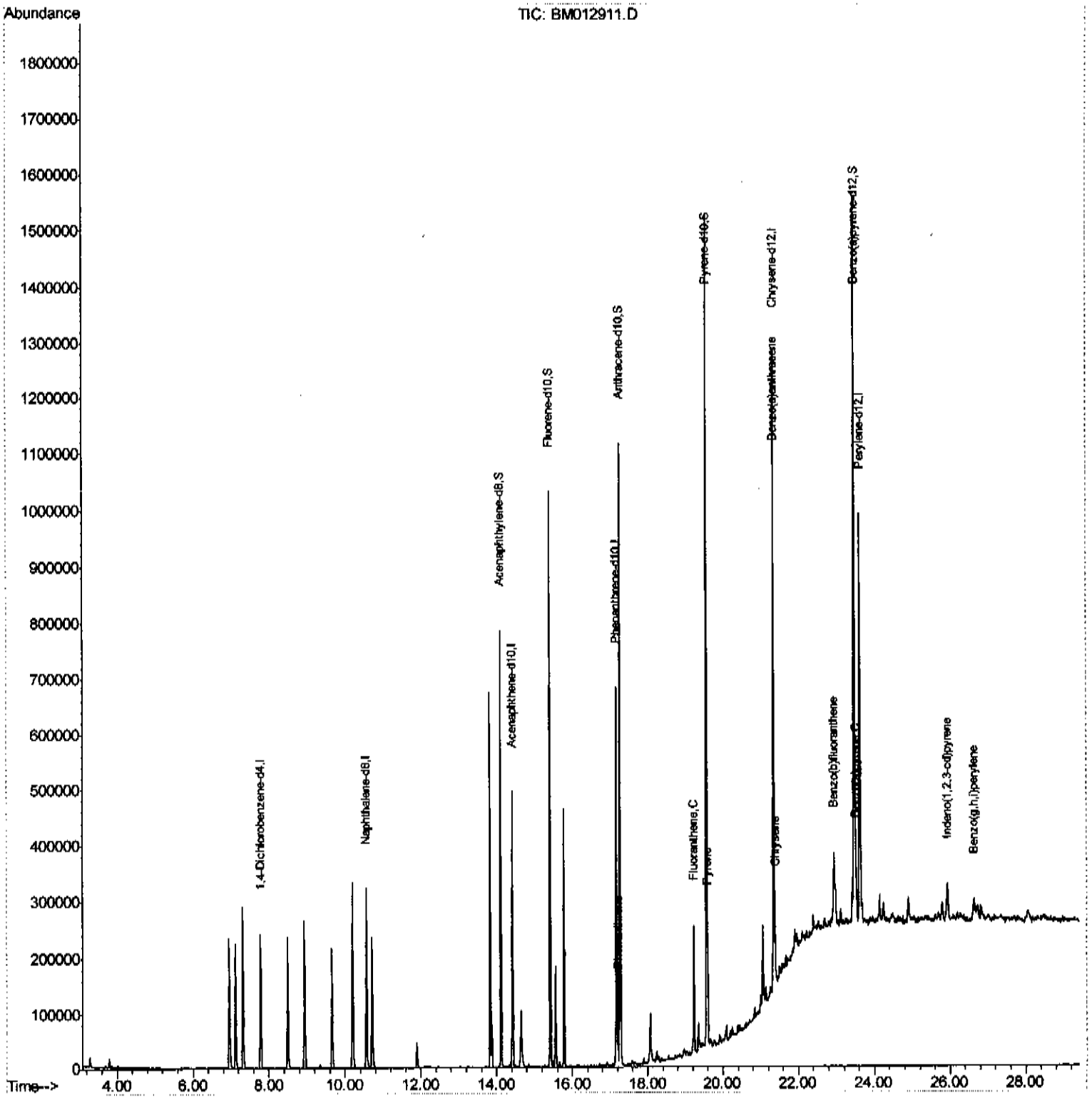
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012911.D
Acq On : 11 Nov 2017 20:36
Operator : SJ/JU
Sample : I6319-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 13 02:03:22 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DAHL0

**Manual Integrations APPROVED**
SOHIL
11/13/2017 4:49:41 PM

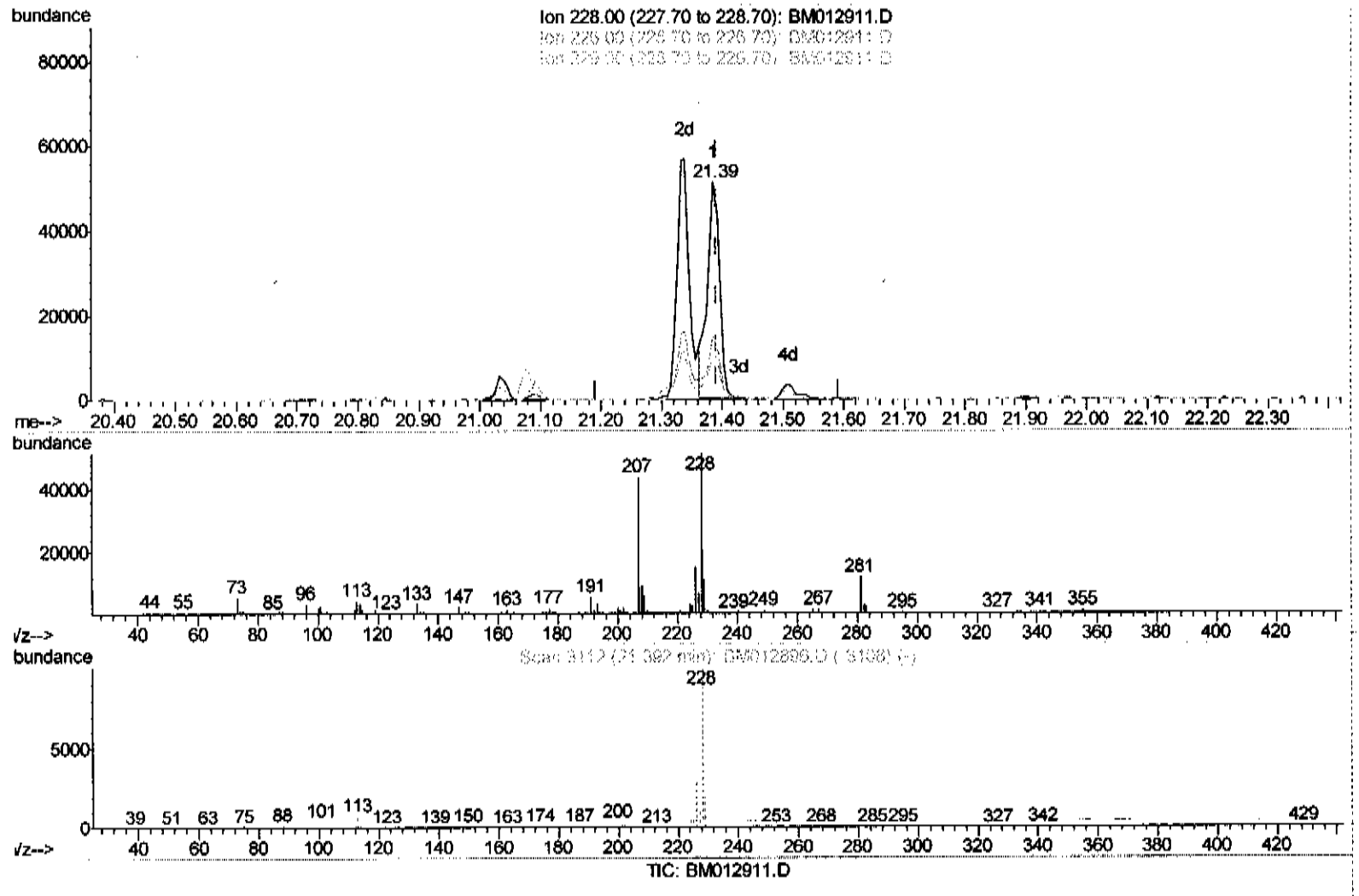


Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012911.D
Acq On : 11 Nov 2017 20:36
Operator : SJ/JU
Sample : I6319-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 13 01:10:49 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DAHL0

**Manual Integrations APPROVED**
SOHIL
11/13/2017 4:49:41 PM




(21) Chrysene

21.386min (-0.006) 2.60ng/ul

response 69693

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 30.60 | 28.94 |
| 229.00 | 19.80 | 21.84 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012911.D
Acq On : 11 Nov 2017 20:36
Operator : SJ/JU
Sample : I6319-05
Misc :
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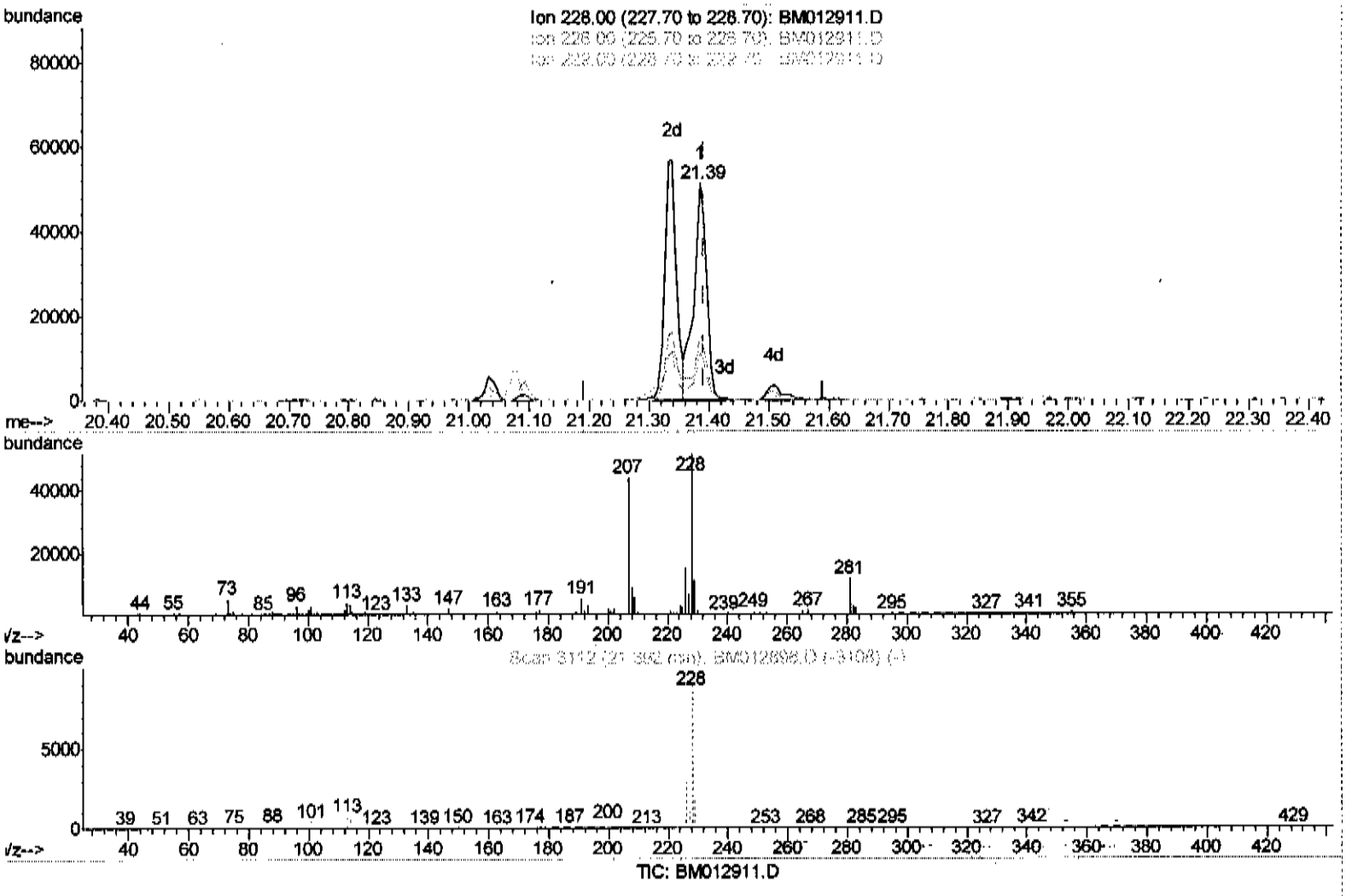
Quant Time: Nov 13 01:10:49 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DAHL0

**Manual Integrations APPROVED**
SOHIL
11/13/2017 4:49:41 PM




(21) Chrysene

21.386min (-0.006) 2.80ng/ul m

11/13/17

response 75125

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 30.60 | 28.94 |
| 229.00 | 19.80 | 21.84 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012911.D
Acq On : 11 Nov 2017 20:36
Operator : SJ/JU
Sample : I6319-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DAHL0

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:41 PM

Quant Time: Nov 13 02:03:22 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.78 | 152 | 71666 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.57 | 136 | 277453 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.42 | 164 | 165643 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.17 | 188 | 390065 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.35 | 240 | 488121 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 23.63 | 264 | 551624 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 14.12 | 160 | 554285 | 32.17 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 15.42 | 176 | 402754 | 34.18 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 17.27 | 188 | 622652 | 33.02 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 19.56 | 212 | 729768 | 33.41 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 23.48 | 264 | 910379 | 34.96 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 13) Phenanthrene | 17.21 | 178 | 60535 | 2.81 | ng/ul | 98 |
| 16) Fluoranthene | 19.23 | 202 | 132217 | 4.99 | ng/ul# | 91 |
| 19) Pyrene | 19.59 | 202 | 116252 | 4.15 | ng/ul | 96 |
| 20) Benzo(a)anthracene | 21.34 | 228 | 78414 | 2.61 | ng/ul | 97 |
| 21) Chrysene | 21.39 | 228 | 75125m | 2.80 | ng/ul | 98 |
| 23) Benzo(b)fluoranthene | 22.94 | 252 | 110540 | 3.37 | ng/ul | 98 |
| 26) Benzo(a)pyrene | 23.53 | 252 | 76167 | 2.39 | ng/ul | 96 |
| 27) Indeno(1,2,3-cd)pyrene | 25.93 | 276 | 60840 | 1.48 | ng/ul | 92 |
| 29) Benzo(g,h,i)perylene | 26.63 | 276 | 49632 | 1.45 | ng/ul | 94 |

JU 11/13/17

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