

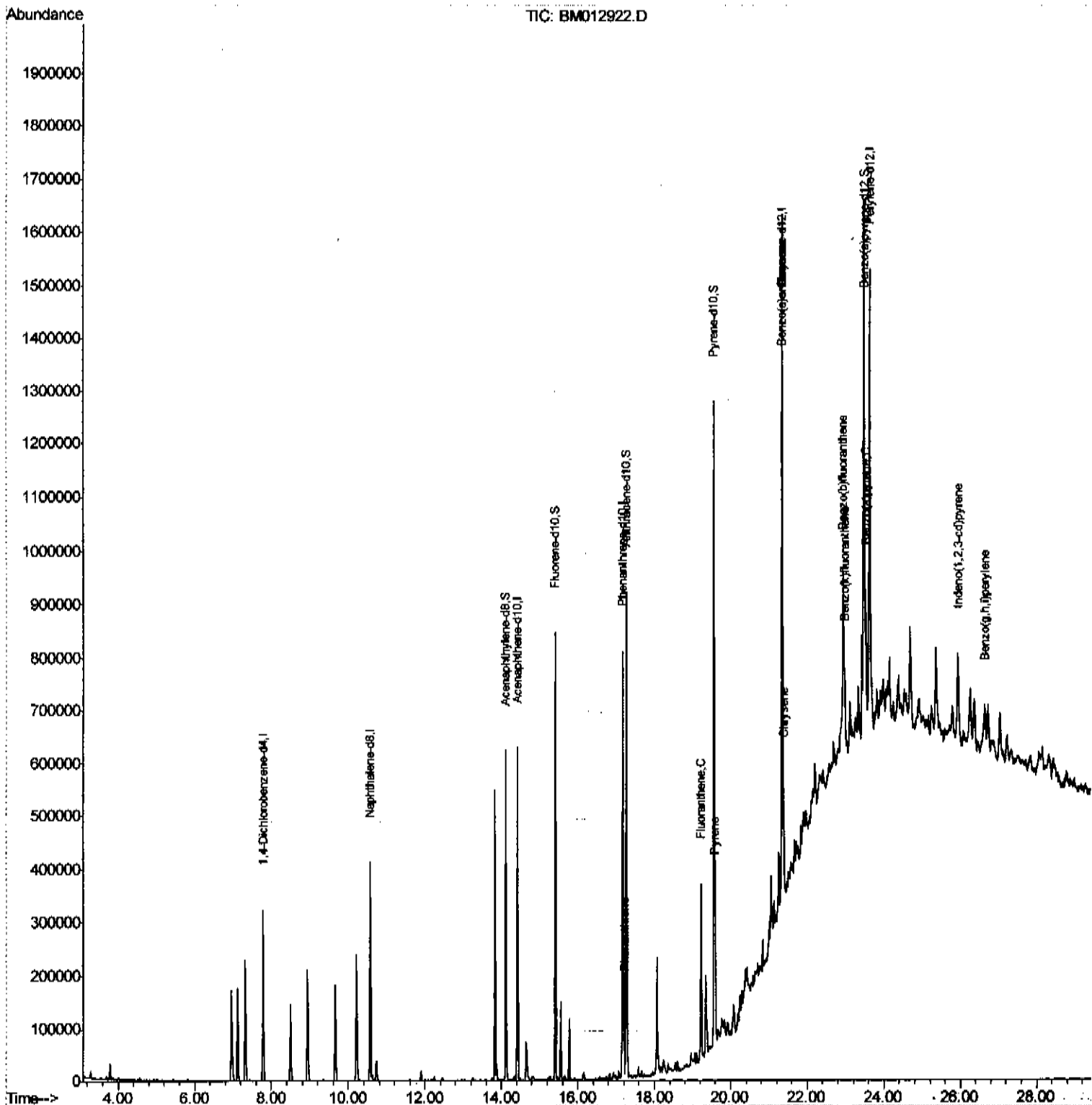
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\  
Data File : BM012922.D  
Acq On : 12 Nov 2017 03:05  
Operator : SJ/JU  
Sample : I6322-04  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAHL6

Manual Integrations  
APPROVED

SOHIL  
11/13/2017 4:50:00 PM

Quant Time: Nov 13 03:29:51 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Nov 13 02:06:47 2017  
Response via : Initial Calibration



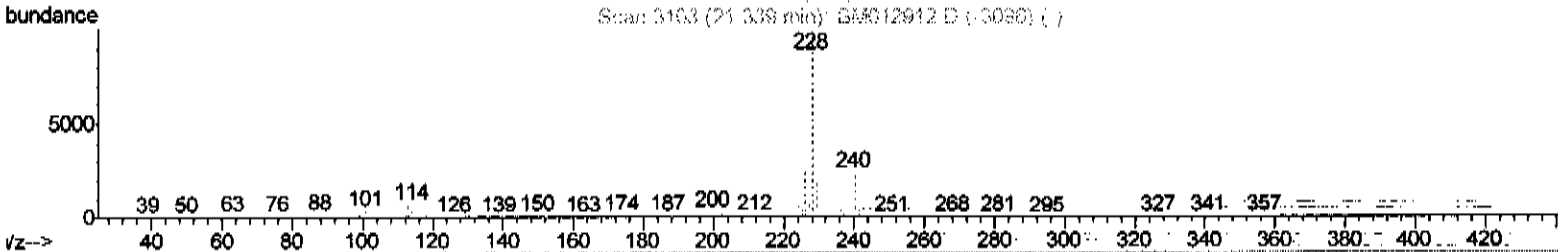
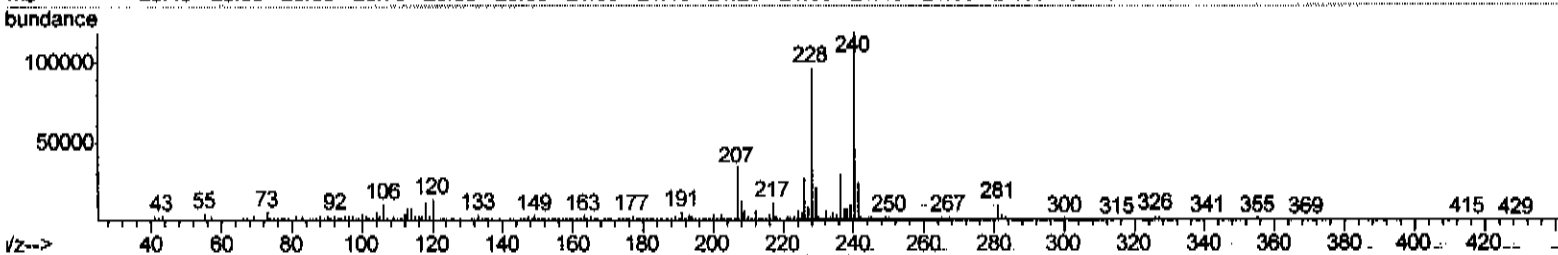
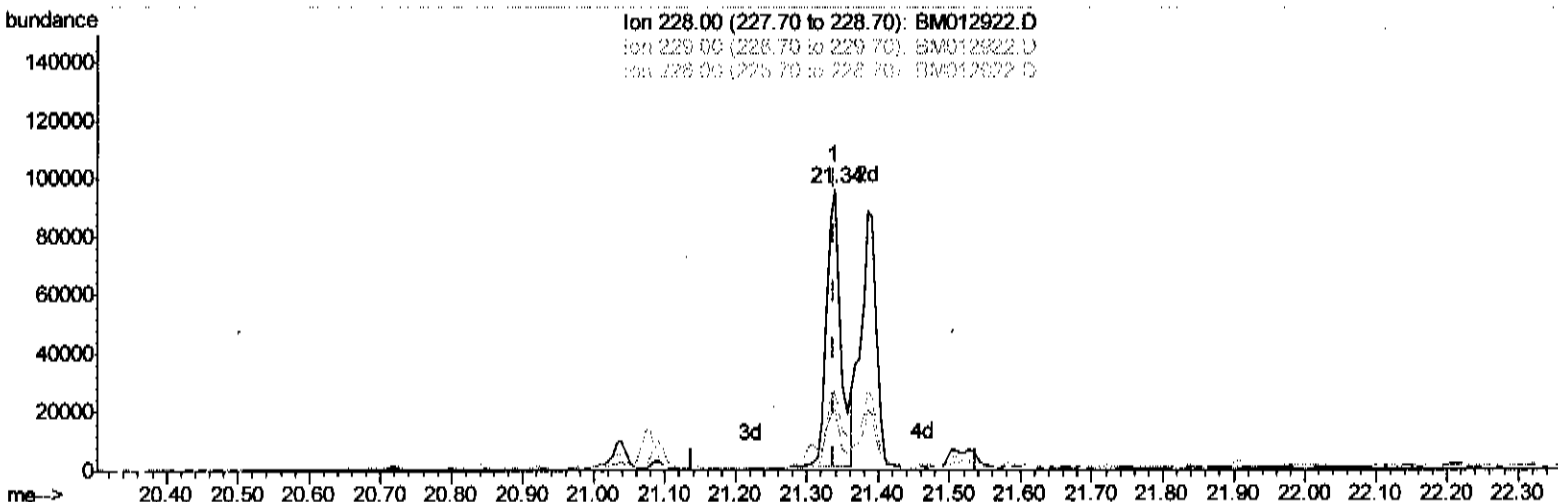
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TIC: BM012922.D

(20) Benzo(a)anthracene

21.339min (-0.000) 3.71ng/ul

response 133297

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.60 | 21.44 |
| 226.00 | 26.40 | 28.31 |
| 0.00   | 0.00  | 0.00  |

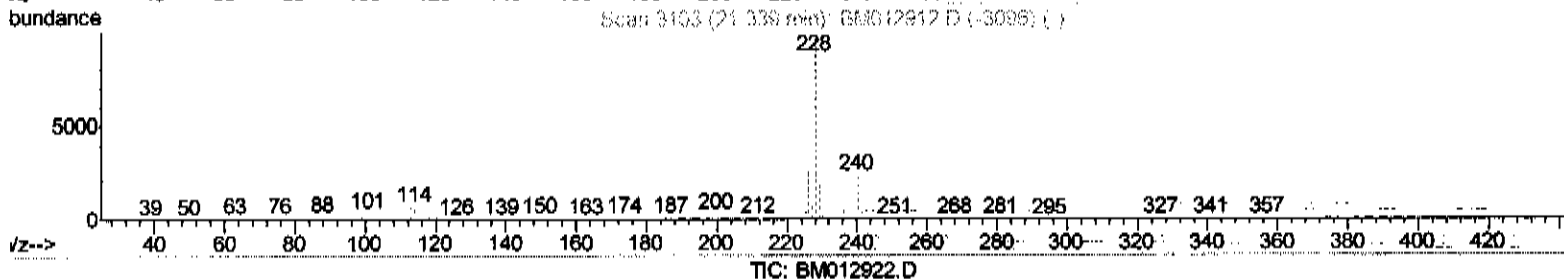
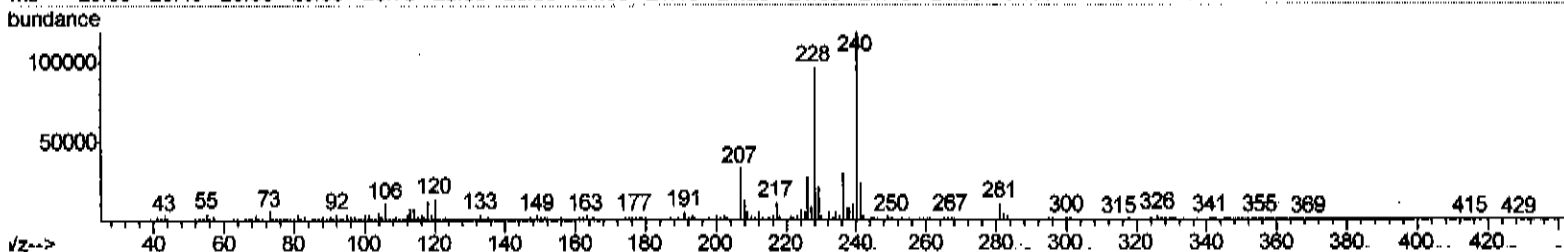
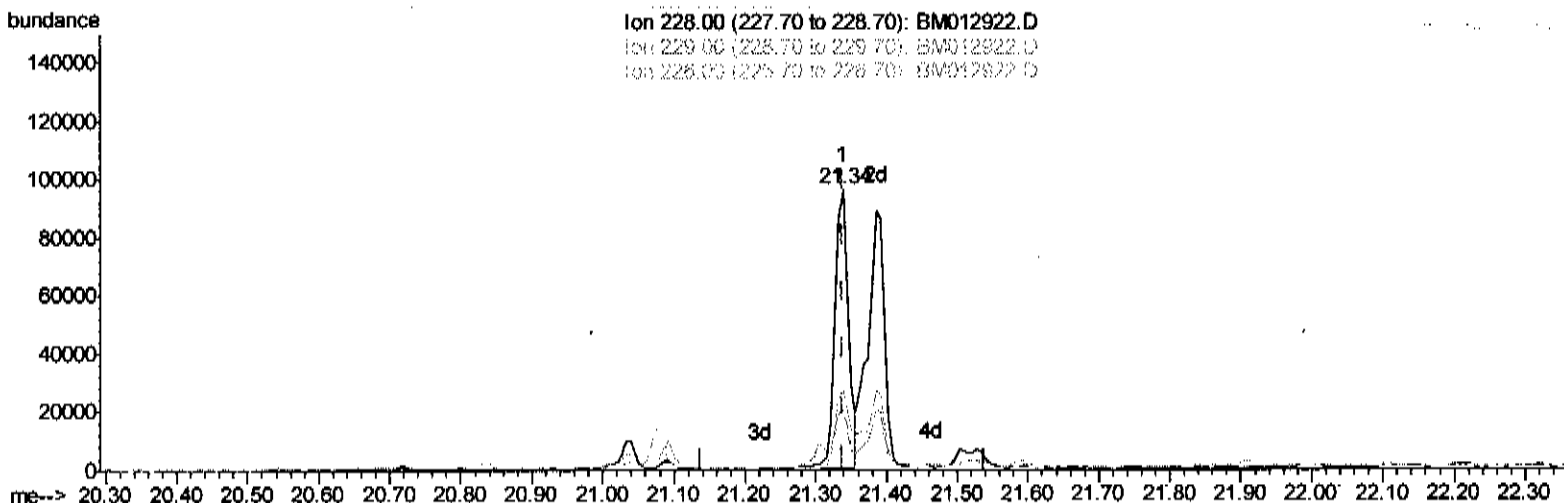
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 ClientSampleId :  
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Manual Integrations  
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(20) Benzo(a)anthracene

21.339min (-0.000) 3.54ng/ul m

response 127280

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.60 | 21.44 |
| 226.00 | 26.40 | 28.31 |
| 0.00   | 0.00  | 0.00  |

*24 11/13/12*

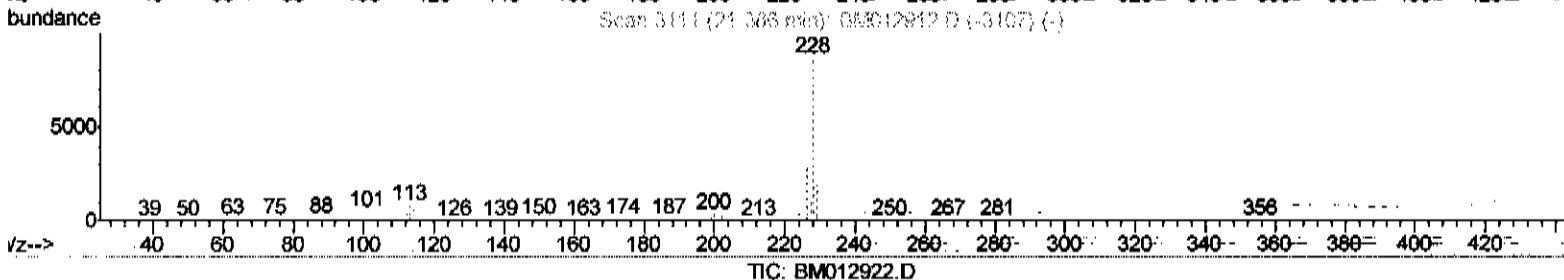
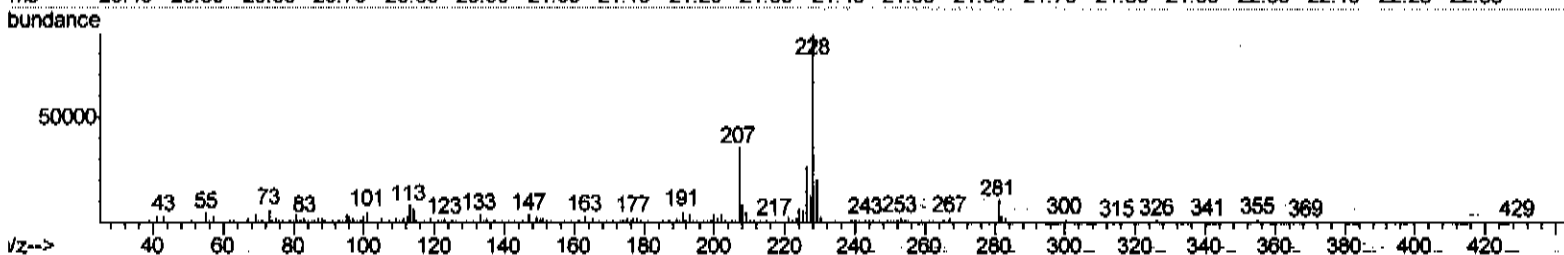
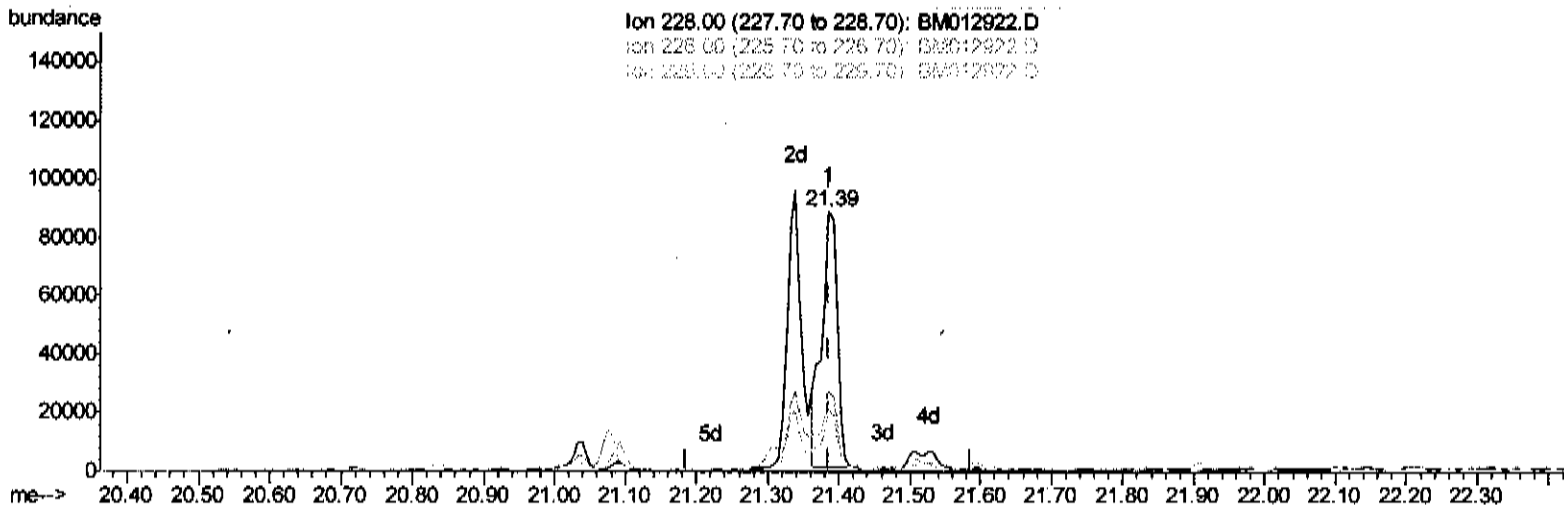
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 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DAHL6

Manual Integrations  
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 Response via : Initial Calibration



(21) Chrysene

21.386min (-0.000) 4.07ng/ul

response 130550

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 30.60 | 30.67 |
| 229.00 | 19.80 | 23.21 |
| 0.00   | 0.00  | 0.00  |

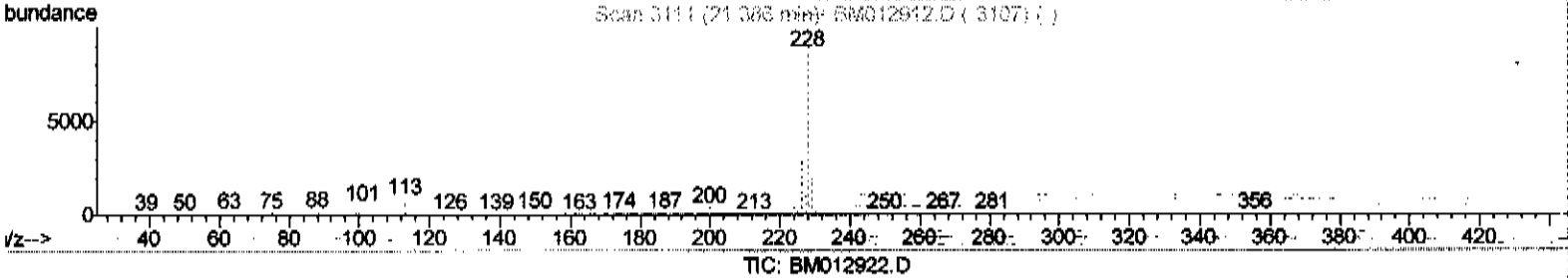
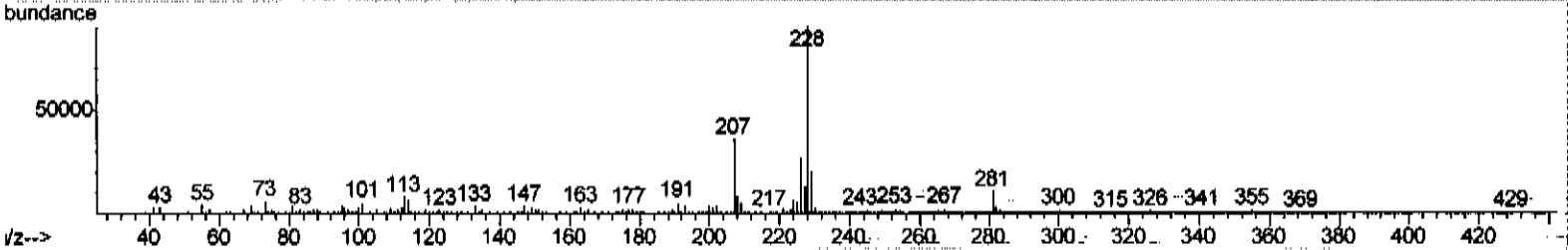
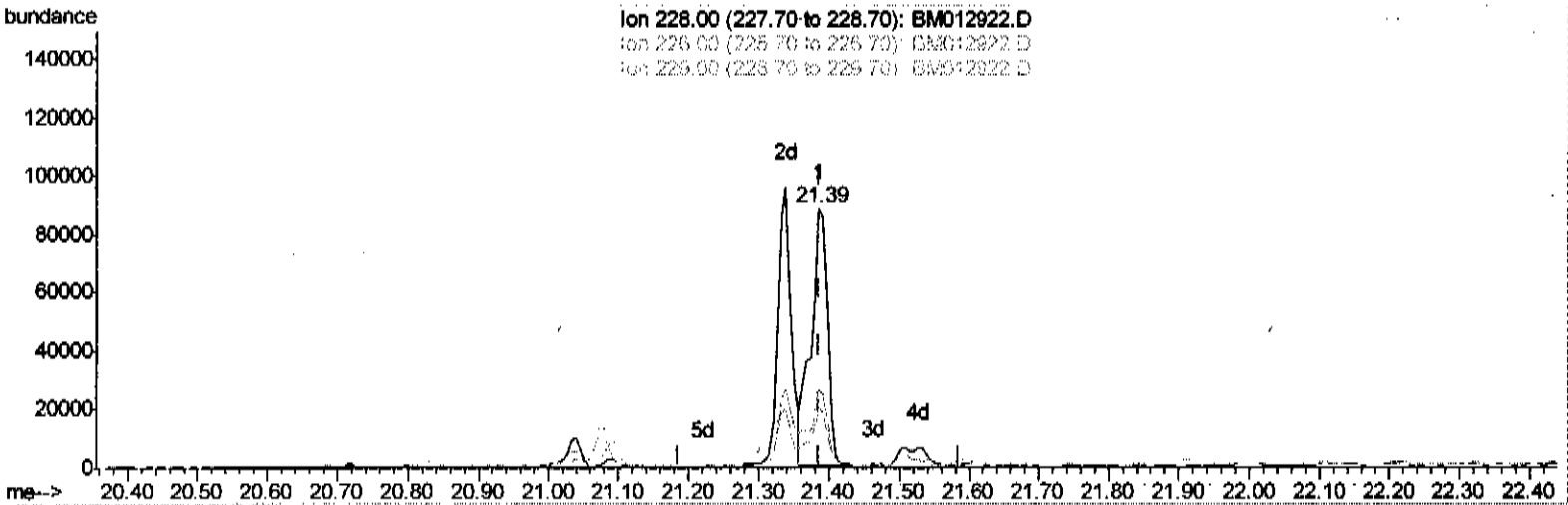
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 Operator : SJ/JU  
 Sample : I6322-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DAHL6

Manual Integrations  
 APPROVED

SOHIL  
 11/13/2017 4:50:00 PM

Quant Time: Nov 13 02:11:47 2017  
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 Quant Title : SVOA CALIBRATION  
 OLast Update : Mon Nov 13 02:06:47 2017  
 Response via : Initial Calibration



TIC: BM012922.D

(21) Chrysene

21.386min (-0.000) 4.45ng/ul m

response 142808

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 30.60 | 30.67 |
| 229.00 | 19.80 | 23.21 |
| 0.00   | 0.00  | 0.00  |

*SJ 11/13/17*

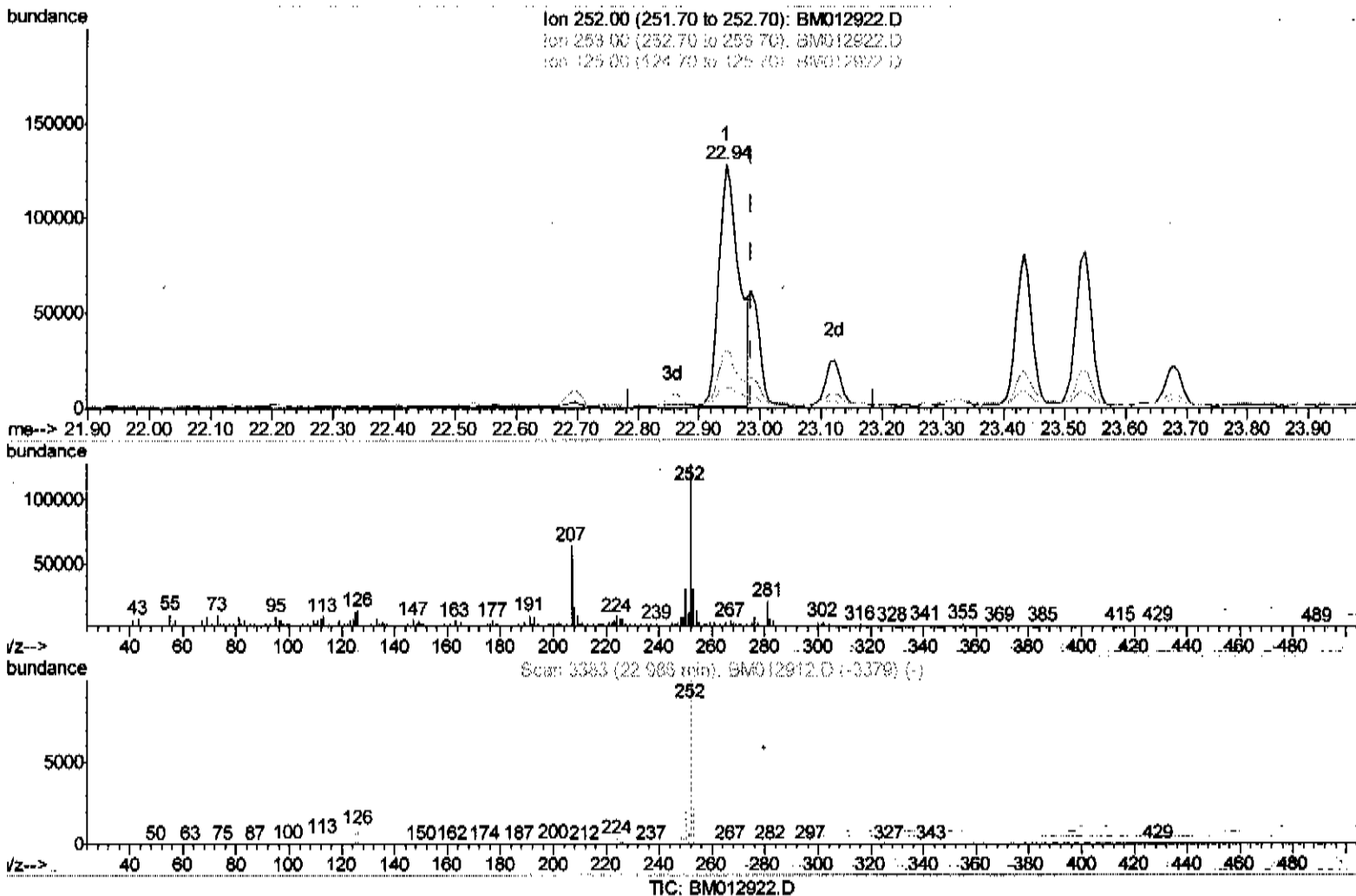
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\  
 Data File : BM012922.D  
 Acq On : 12 Nov 2017 03:05  
 Operator : SJ/JU  
 Sample : I6322-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DAHL6

Manual Integrations  
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SOHIL  
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(24) Benzo(k)fluoranthene  
 22.944min (-0.041) 7.94ng/ul  
 response 295083

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.50 | 23.59 |
| 125.00 | 10.10 | 8.84  |
| 0.00   | 0.00  | 0.00  |

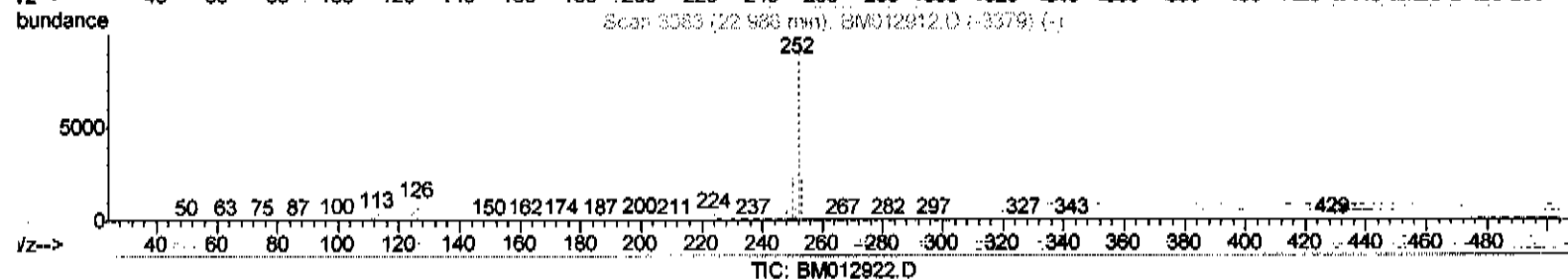
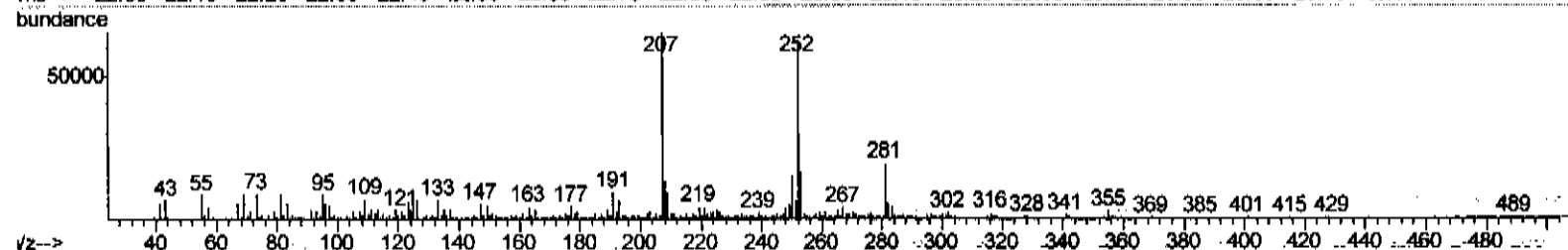
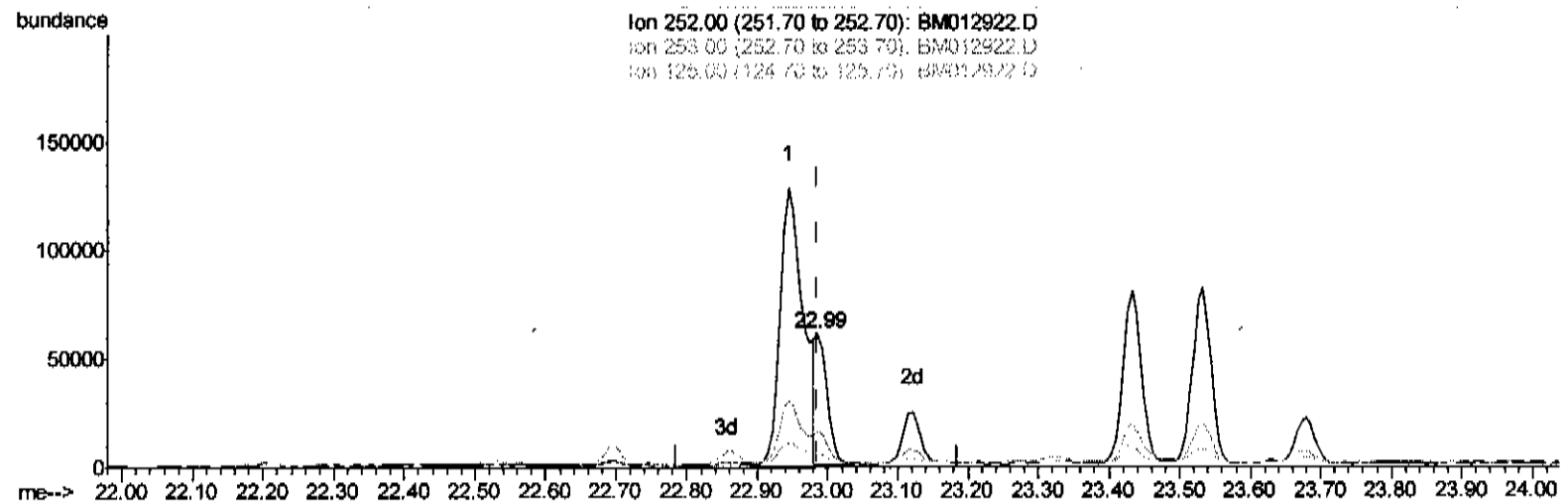
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 Data File : BM012922.D  
 Acq On : 12 Nov 2017 03:05  
 Operator : SJ/JU  
 Sample : I6322-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DAHL6

Manual Integrations  
 APPROVED

SOHIL  
 11/13/2017 4:50:00 PM

Quant Time: Nov 13 02:11:47 2017  
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 Response via : Initial Calibration



TIC: BM012922.D

(24) Benzo(k)fluoranthene

22.986min (-0.000) 1.79ng/ul m

response 66311

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.50 | 26.55 |
| 125.00 | 10.10 | 10.46 |
| 0.00   | 0.00  | 0.00  |

*Handwritten signature/initials*

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\  
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 Operator : SJ/JU  
 Sample : I6322-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DAHL6

Manual Integrations  
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 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.78  | 152  | 92076    | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.57 | 136  | 353492   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.42 | 164  | 209740   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.17 | 188  | 480787   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 21.35 | 240  | 583852   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 23.63 | 264  | 653508   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 7) Acenaphthylene-d8        | 14.12 | 160  | 444950   | 20.40 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 15.42 | 176  | 326887   | 21.91 | ng/ul | 0.00     |
| 14) Anthracene-d10          | 17.27 | 188  | 517543   | 22.27 | ng/ul | 0.00     |
| 18) Pyrene-d10              | 19.56 | 212  | 571462   | 21.88 | ng/ul | 0.00     |
| 25) Benzo(a)pyrene-d12      | 23.49 | 264  | 681172   | 22.08 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Ovalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 13) Phenanthrene           | 17.21 | 178  | 68575    | 2.58 | ng/ul  | 98     |
| 16) Fluoranthene           | 19.23 | 202  | 186128   | 5.70 | ng/ul# | 92     |
| 19) Pyrene                 | 19.59 | 202  | 156209   | 4.66 | ng/ul# | 94     |
| 20) Benzo(a)anthracene     | 21.34 | 228  | 127280m  | 3.54 | ng/ul  | 94     |
| 21) Chrysene               | 21.39 | 228  | 142808m  | 4.45 | ng/ul  | 94     |
| 23) Benzo(b)fluoranthene   | 22.94 | 252  | 295083   | 7.59 | ng/ul  | 97     |
| 24) Benzo(k)fluoranthene   | 22.99 | 252  | 66311m   | 1.79 | ng/ul  | 97     |
| 26) Benzo(a)pyrene         | 23.53 | 252  | 147297   | 3.91 | ng/ul  | 96     |
| 27) Indeno(1,2,3-cd)pyrene | 25.94 | 276  | 133323   | 2.74 | ng/ul# | 93     |
| 29) Benzo(g,h,i)perylene   | 26.64 | 276  | 111644   | 2.75 | ng/ul  | 95     |

*Handwritten notes:*  
 JP 11/13/17  
 JP 11/13/17  
 > JP 11/13/17

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