

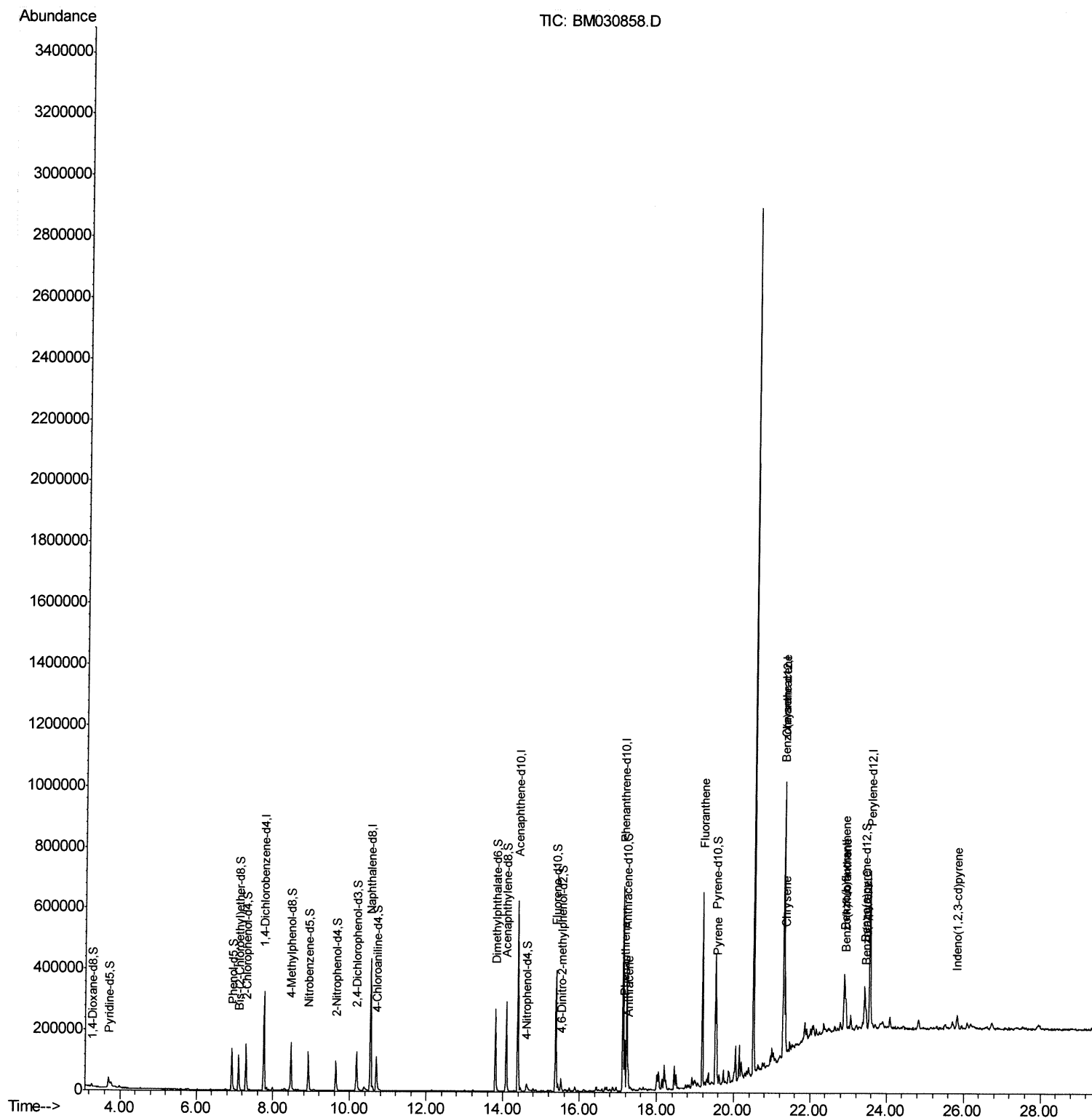
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070621\  
Data File : BM030858.D  
Acq On : 07 Jul 2021 15:52  
Operator : CG/JU  
Sample : M2854-09  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDT2

Manual Integrations  
APPROVED

mohammad  
7/8/2021 12:37:57 PM

Quant Time: Jul 07 16:43:41 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 06 14:32:50 2021  
Response via : Initial Calibration



**Instrument :**  
BNA\_M  
**ClientSampleId :**  
BGDT2

mohammad  
7/8/2021 12:37:57 PM

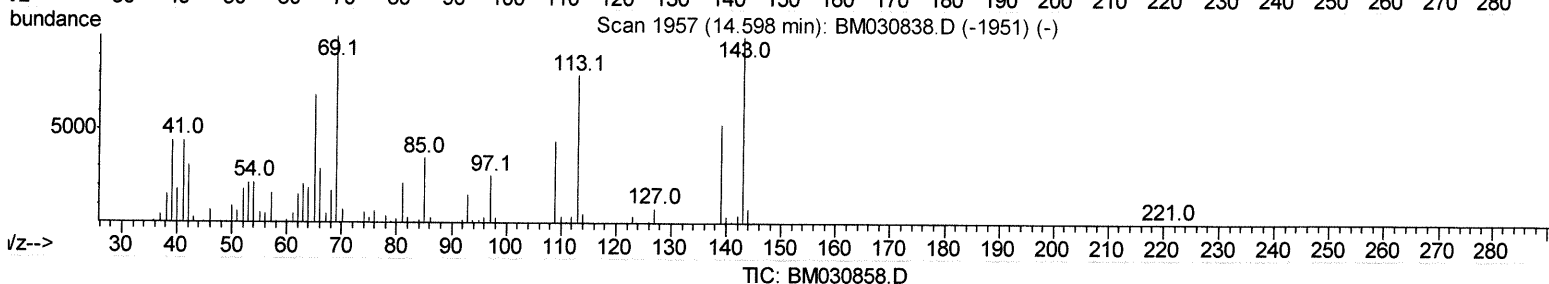
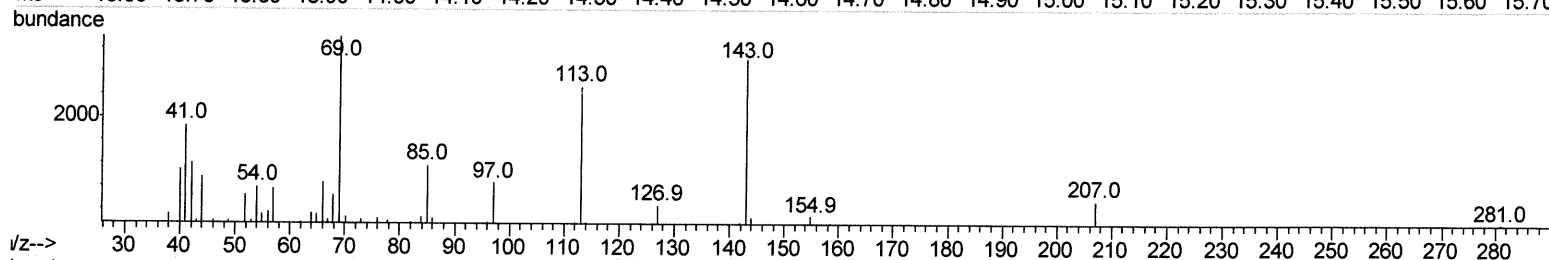
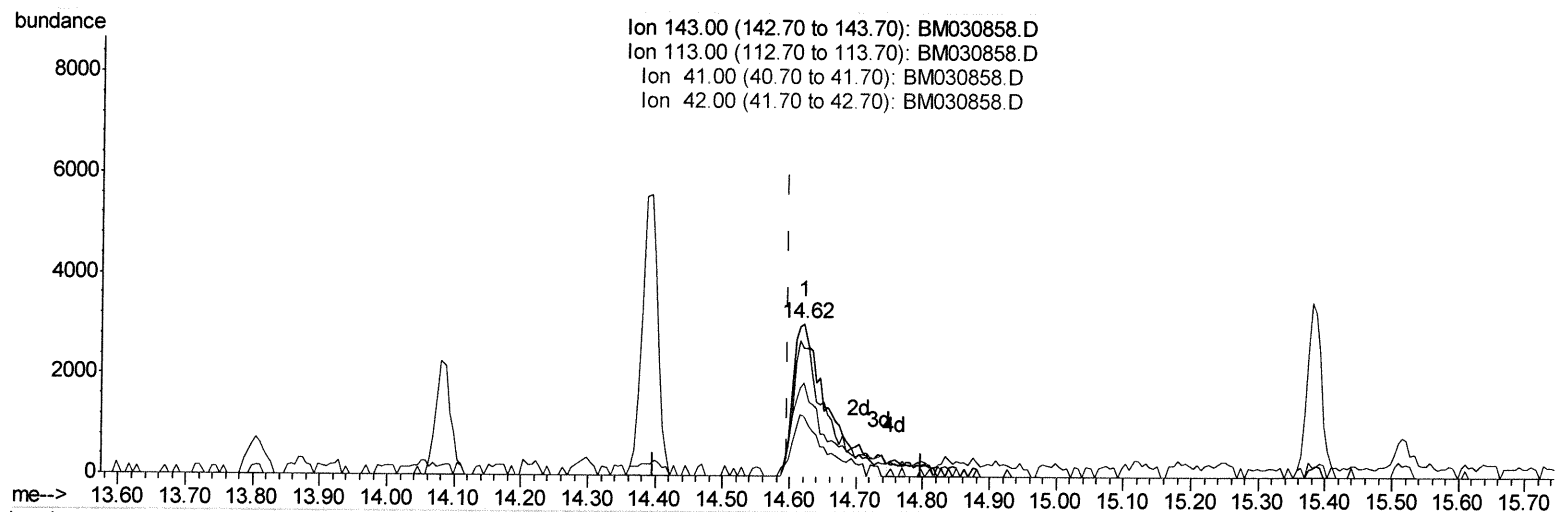
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Quant Time: Jul 07 16:42:00 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



(54) 4-Nitrophenol-d4 (S)

14.621min (+0.024) 4.49ng/ul m JU 07/09/21

response 11440

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 76.90 | 83.91  |
| 41.00  | 50.00 | 60.93# |
| 42.00  | 34.80 | 39.30  |

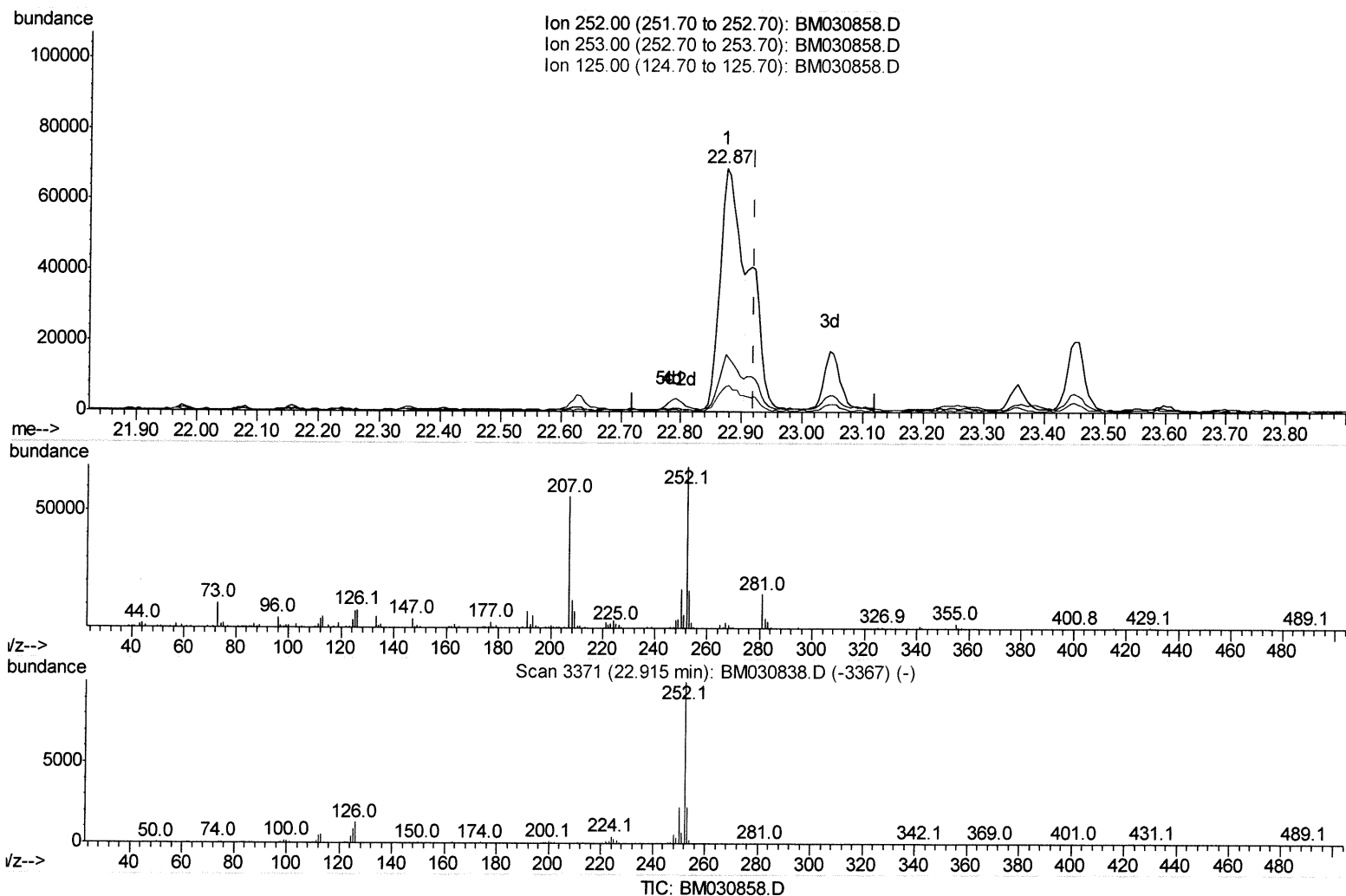
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070621\  
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Manual Integrations  
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 Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.874min (-0.047) 7.19ng/ul

response 158192

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 23.44 |
| 125.00 | 9.20  | 10.25 |
| 0.00   | 0.00  | 0.00  |

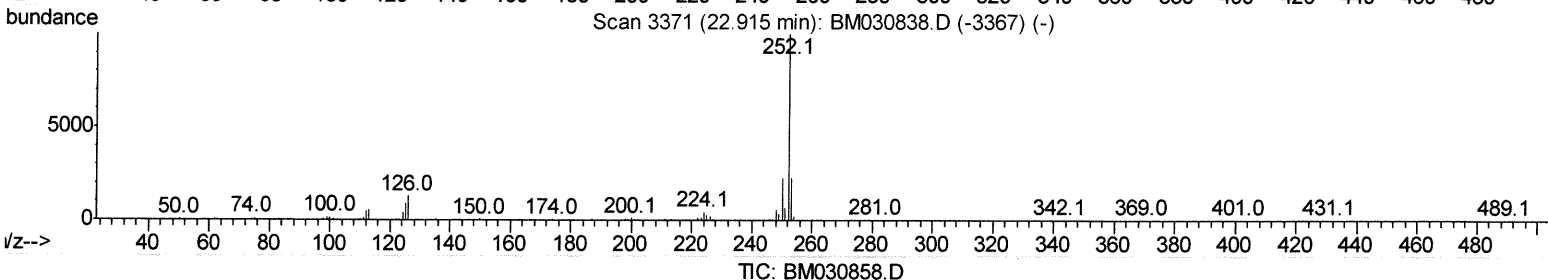
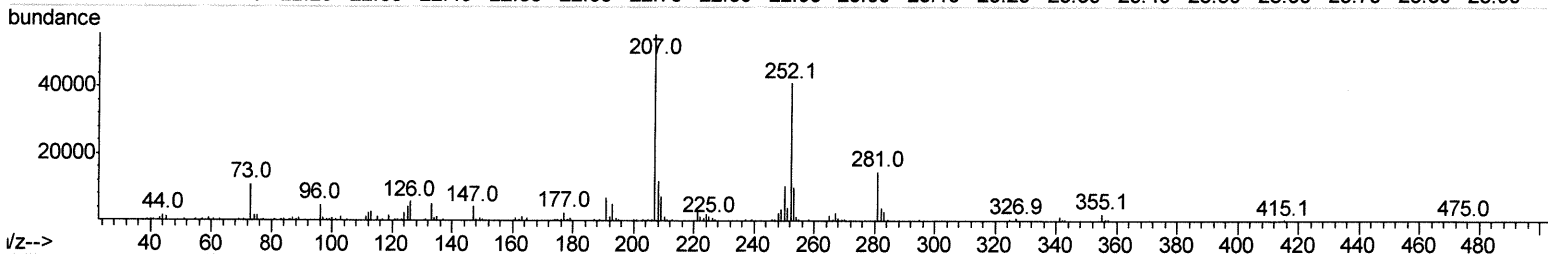
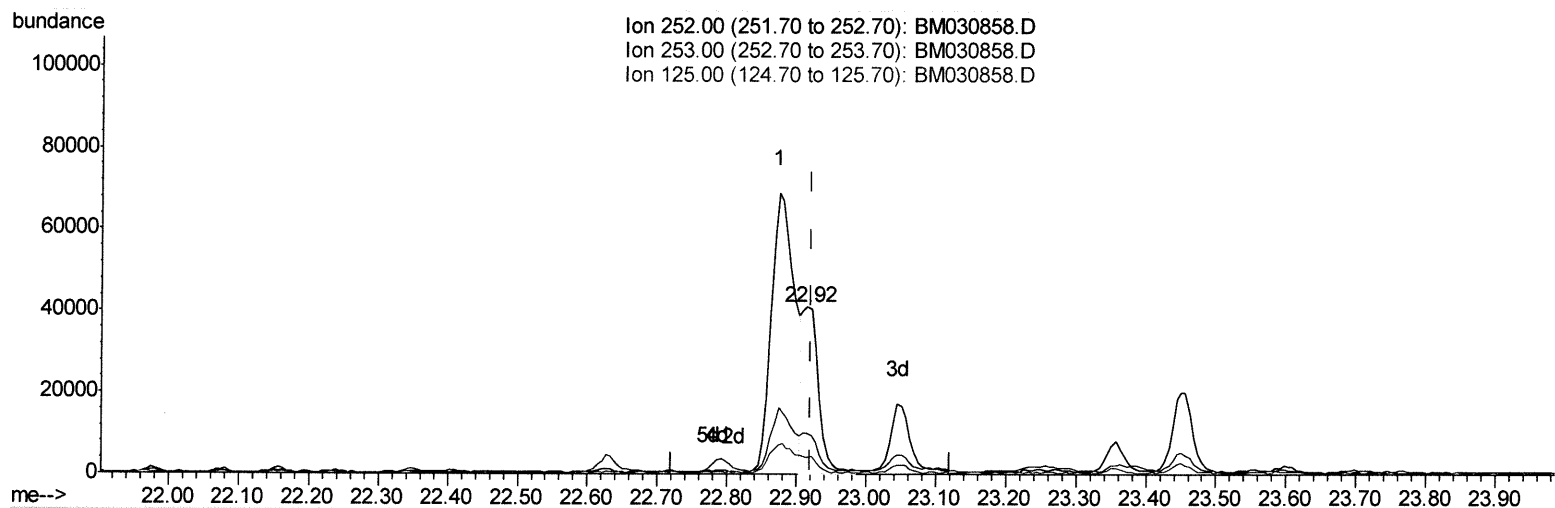
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 Data File : BM030858.D  
 Acq On : 07 Jul 2021 15:52  
 Operator : CG/JU  
 Sample : M2854-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGD2

Manual Integrations  
 APPROVED

mohammad  
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Quant Time: Jul 07 16:42:00 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.915min (-0.006) 3.08ng/ul m *JU 07/09/21*

response 67811

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 24.24 |
| 125.00 | 9.20  | 10.24 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070621\  
 Data File : BM030858.D  
 Acq On : 07 Jul 2021 15:52  
 Operator : CG/JU  
 Sample : M2854-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Manual Integrations  
 APPROVED

mohammad  
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 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 81418    | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.55 | 136  | 340639   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.39 | 164  | 209111   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.13 | 188  | 403010   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.30 | 240  | 344848   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.55 | 264  | 351286   | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |       |        |      |
|--------------------------------|-------|-----|---------|-------|--------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 4541    | 2.18  | ng/uL  | 0.00 |
| 4) Pyridine-d5                 | 3.70  | 84  | 31472   | 5.78  | ng/ul  | 0.02 |
| 7) Phenol-d5                   | 6.93  | 99  | 73047   | 10.27 | ng/ul  | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 53262   | 11.62 | ng/ul  | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.30  | 132 | 61620   | 11.29 | ng/ul  | 0.00 |
| 15) 4-Methylphenol-d8          | 8.46  | 113 | 58029   | 10.18 | ng/ul  | 0.00 |
| 21) Nitrobenzene-d5            | 8.92  | 128 | 28027   | 11.06 | ng/ul  | 0.00 |
| 24) 2-Nitrophenol-d4           | 9.64  | 143 | 27925   | 10.07 | ng/ul  | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 52651   | 9.87  | ng/ul  | 0.00 |
| 31) 4-Chloroaniline-d4         | 10.69 | 131 | 68350   | 9.02  | ng/ul  | 0.00 |
| 46) Dimethylphthalate-d6       | 13.80 | 166 | 183631  | 12.54 | ng/ul  | 0.00 |
| 49) Acenaphthylene-d8          | 14.09 | 160 | 208213  | 11.26 | ng/ul  | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.62 | 143 | 11440m> | 4.49  | ng/ul> | 0.02 |
| 60) Fluorene-d10               | 15.39 | 176 | 156202  | 12.12 | ng/ul  | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 10987   | 4.25  | ng/ul  | 0.00 |
| 73) Anthracene-d10             | 17.23 | 188 | 221484  | 11.79 | ng/ul  | 0.00 |
| 81) Pyrene-d10                 | 19.52 | 212 | 163173  | 8.58  | ng/ul  | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.41 | 264 | 91531   | 5.05  | ng/ul  | 0.00 |

JU 07/09/21

#### Target Compounds

|                            |       |     |         |        | Ovalue |             |
|----------------------------|-------|-----|---------|--------|--------|-------------|
| 72) Phenanthrene           | 17.17 | 178 | 96341   | 4.480  | ng/ul  | 99          |
| 74) Anthracene             | 17.26 | 178 | 49580   | 2.244  | ng/ul  | 96          |
| 80) Fluoranthene           | 19.19 | 202 | 351628  | 14.994 | ng/ul  | 100         |
| 82) Pyrene                 | 19.55 | 202 | 169332  | 6.967  | ng/ul  | 100         |
| 85) Benzo(a)anthracene     | 21.29 | 228 | 176719  | 8.196  | ng/ul  | 96          |
| 87) Chrysene               | 21.34 | 228 | 142670  | 6.725  | ng/ul  | 99          |
| 90) Benzo(b)fluoranthene   | 22.87 | 252 | 158192  | 6.991  | ng/ul  | 97          |
| 91) Benzo(k)fluoranthene   | 22.92 | 252 | 67811m> | 3.083  | ng/ul> | JU 07/09/21 |
| 93) Benzo(a)pyrene         | 23.45 | 252 | 39386   | 1.967  | ng/ul# | 90          |
| 94) Indeno(1,2,3-cd)pyrene | 25.82 | 276 | 34177   | 1.372  | ng/ul  | 99          |

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