

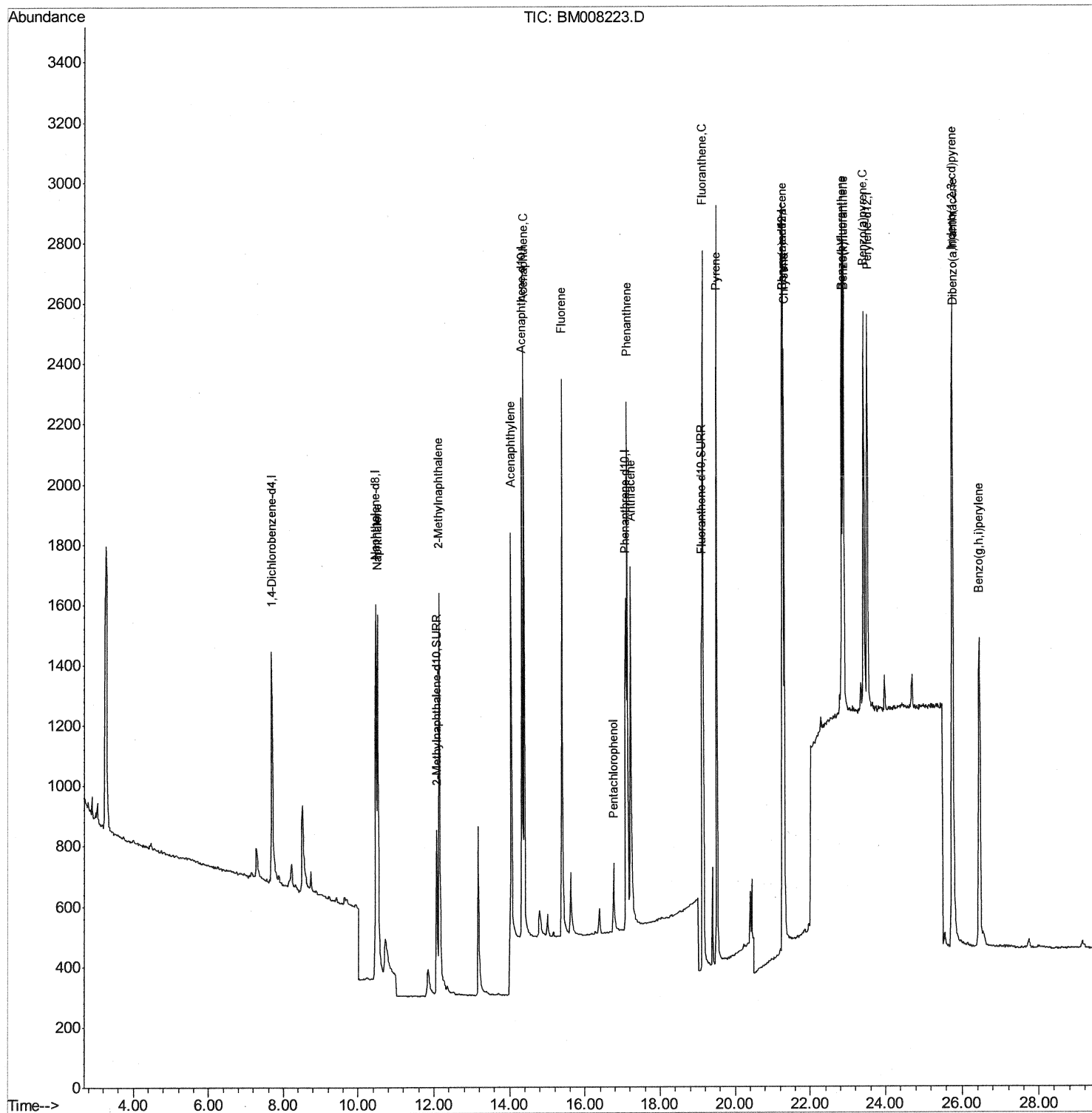
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120916\  
Data File : BM008223.D  
Acq On : 10 Dec 2016 01:53  
Operator : E  
Sample : SSTDCCC0.4EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleID :  
SSTD0.438

Manual Integrations  
APPROVED

UMANGI  
12/12/2016 6:49:43 PM

Quant Time: Dec 10 05:35:43 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 10 04:37:00 2016  
Response via : Initial Calibration



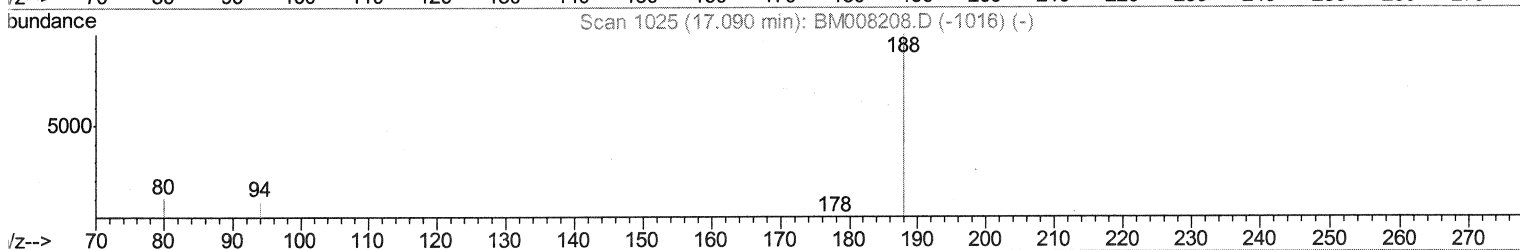
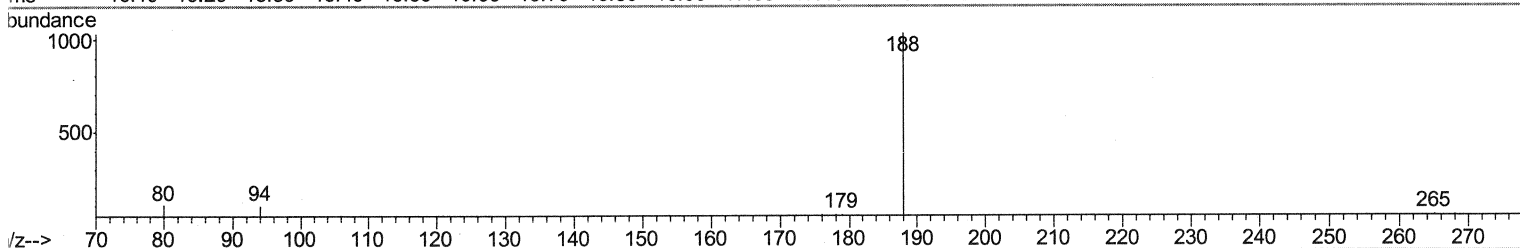
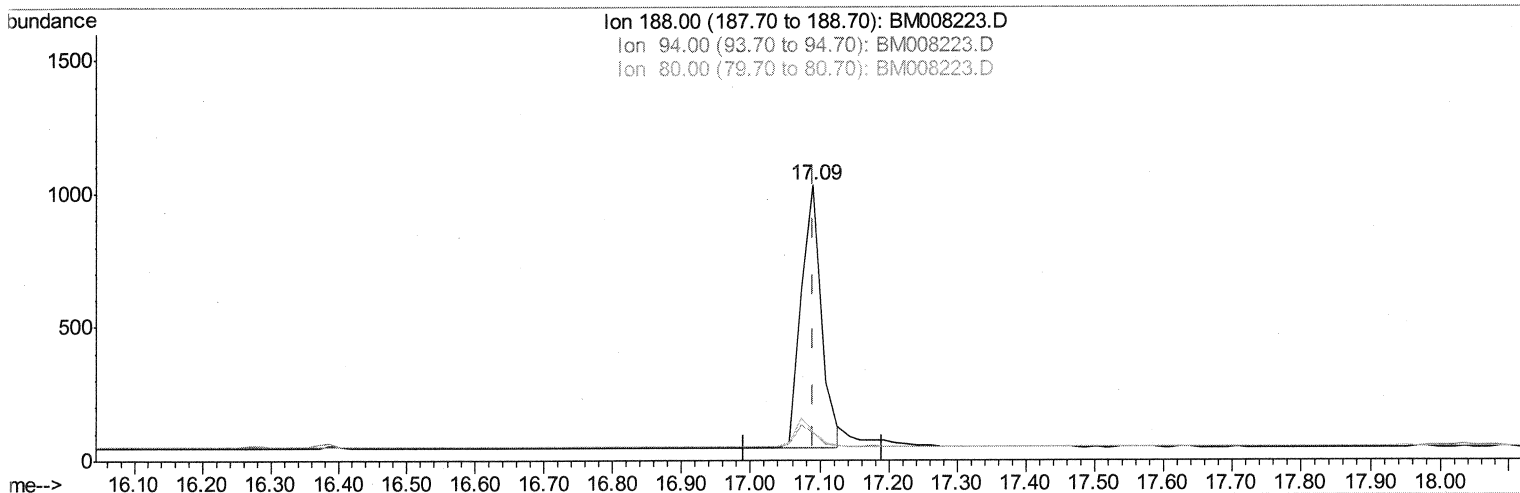
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TIC: BM008223.D

(10) Phenanthrene-d10 (I)

17.090min (+0.000) 0.40ng/ul

response 1966

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 10.17 |
| 80.00  | 11.80 | 10.47 |
| 0.00   | 0.00  | 0.00  |

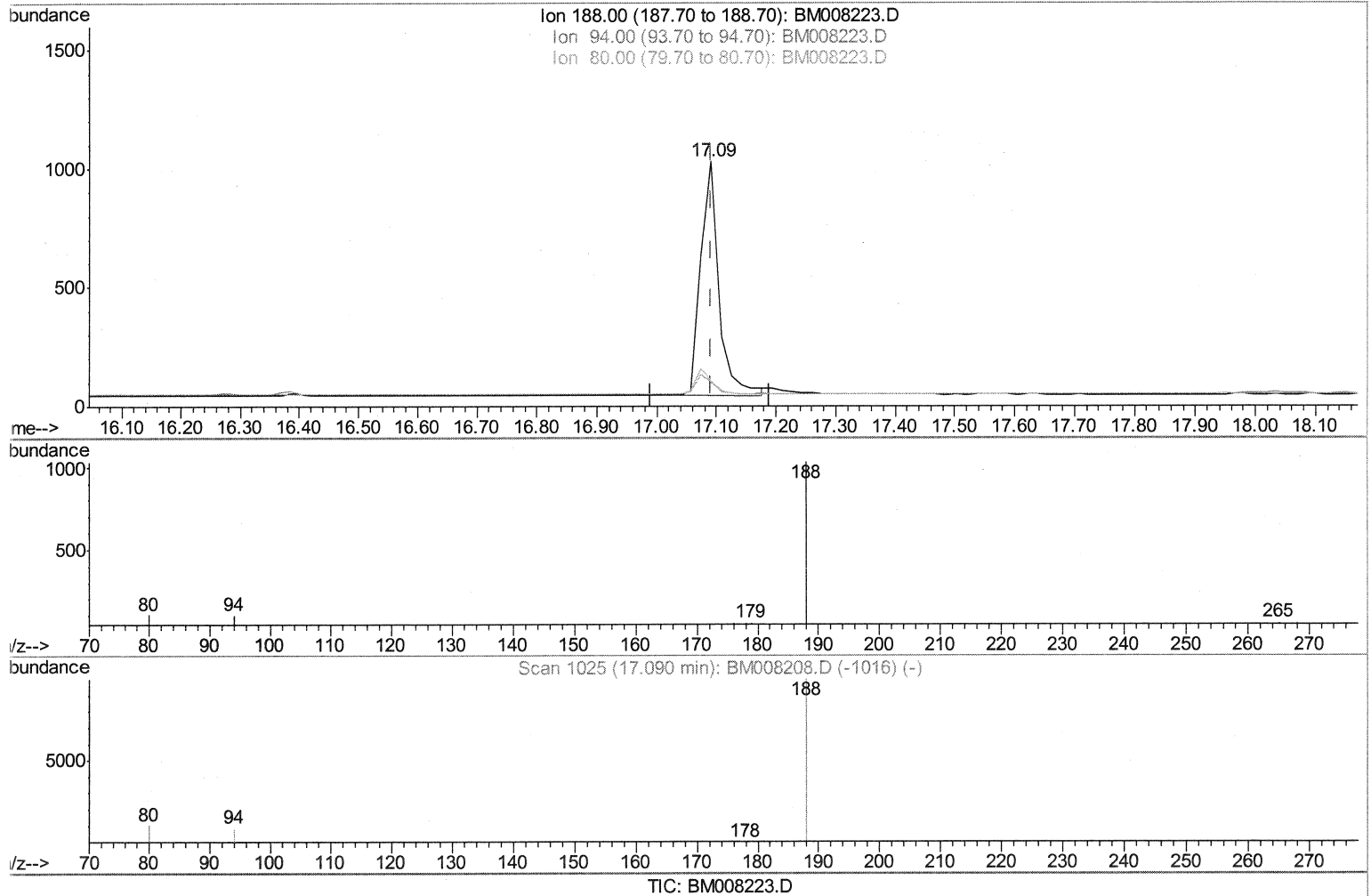
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(10) Phenanthrene-d10 (I)

17.090min (+0.000) 0.40ng/ul m

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response 2090

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 10.17 |
| 80.00  | 11.80 | 10.47 |
| 0.00   | 0.00  | 0.00  |

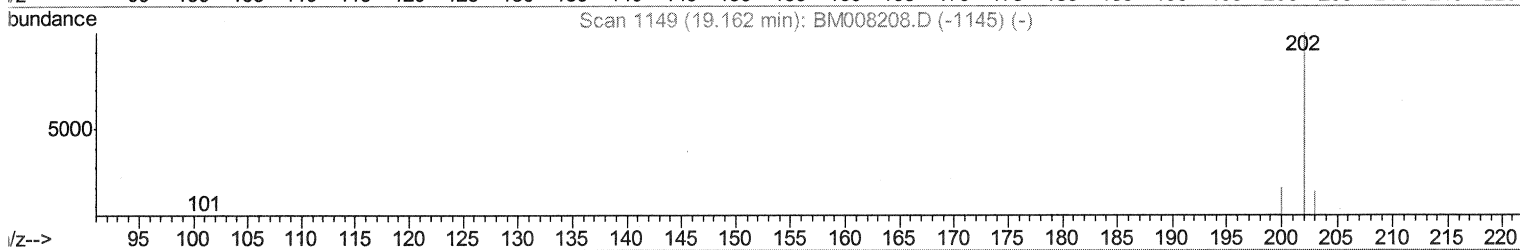
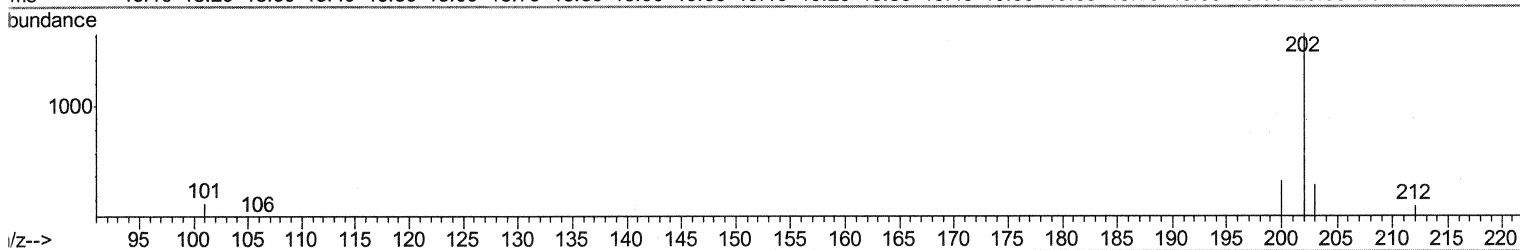
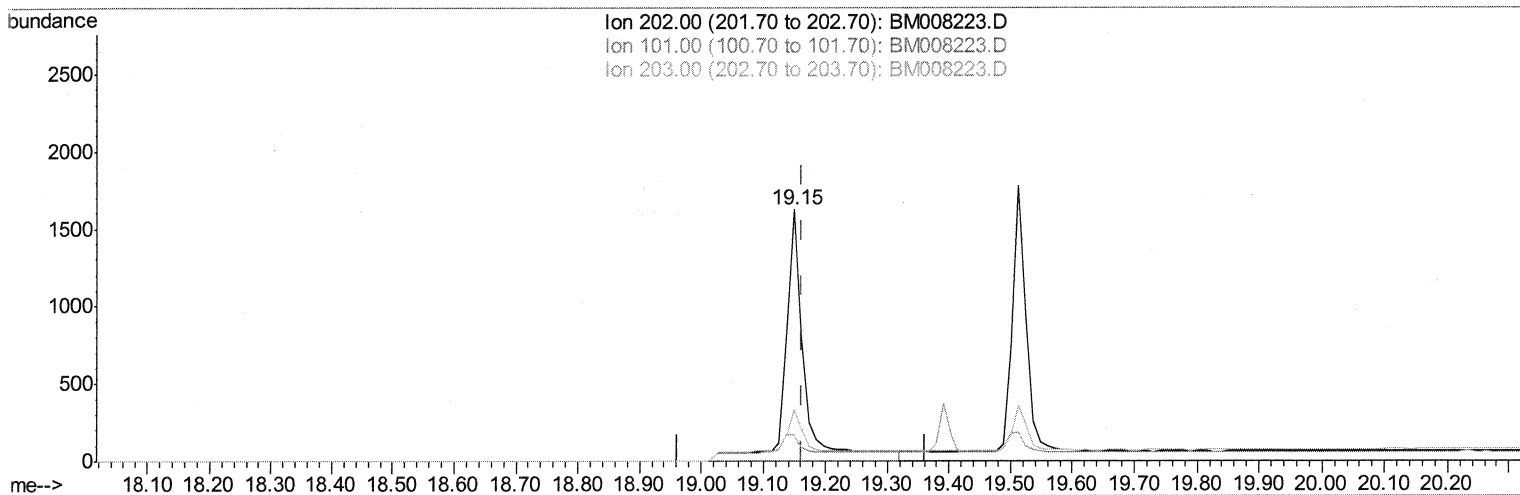
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TIC: BM008223.D

(15) Fluoranthene (C)

19.150min (-0.012) 0.44ng/ul

response 3665

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.30 | 10.41 |
| 203.00 | 19.50 | 20.50 |
| 0.00   | 0.00  | 0.00  |

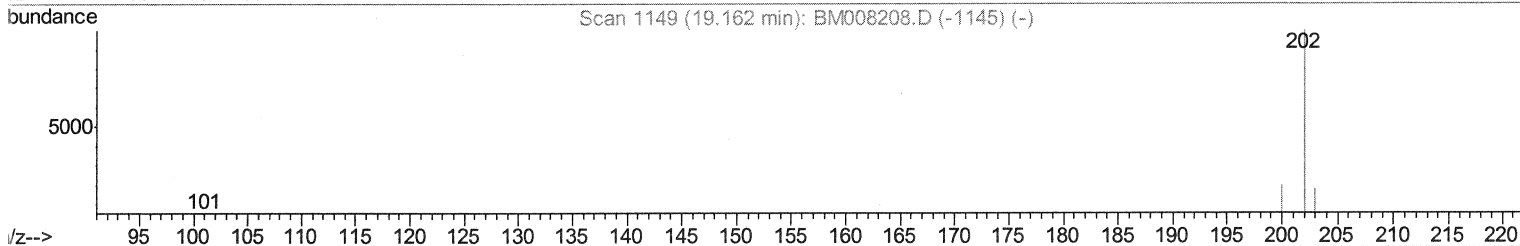
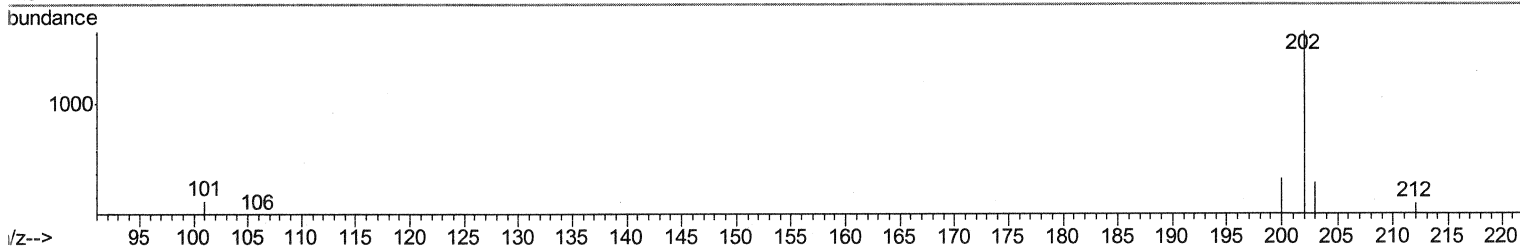
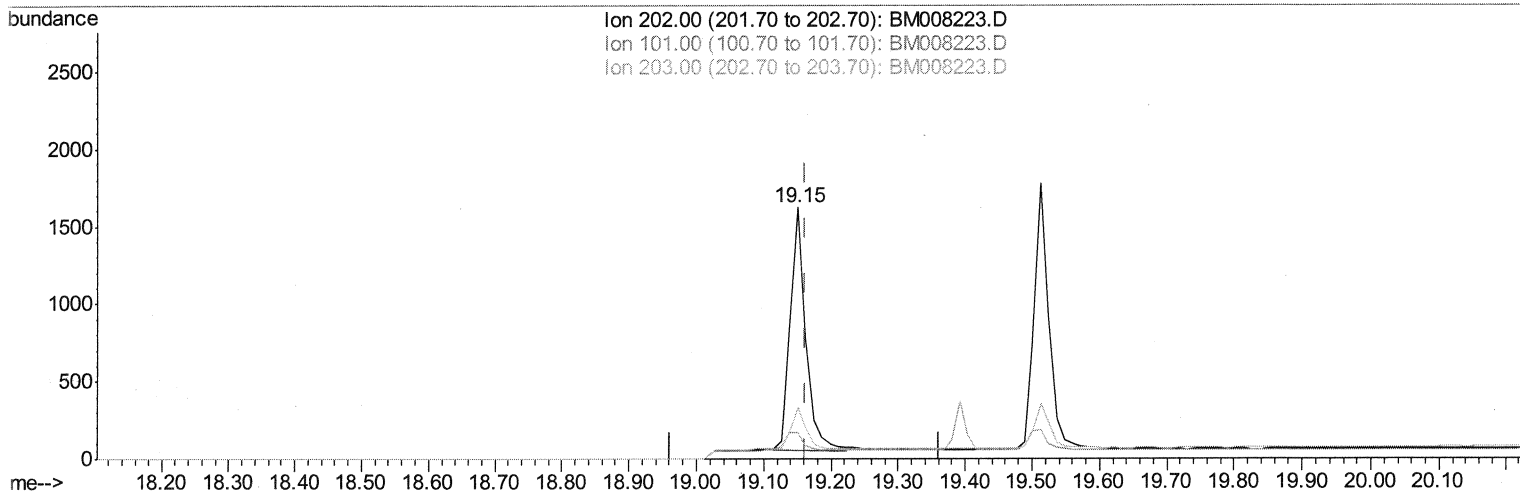
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 Response via : Initial Calibration



TIC: BM008223.D

(15) Fluoranthene (C)

19.150min (-0.012) 0.31ng/ul m SJ 12/12/16

response 2571

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.30 | 10.41 |
| 203.00 | 19.50 | 20.50 |
| 0.00   | 0.00  | 0.00  |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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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 | 7.70  | 152  | 665      | 0.40 | ng/ul | -0.03    |
| 2) Naphthalene-d8         | 10.48 | 136  | 2215     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.33 | 164  | 1223     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.09 | 188  | 2090m    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.28 | 240  | 1774     | 0.40 | ng/ul | -0.01    |
| 20) Perylene-d12          | 23.52 | 264  | 1797     | 0.40 | ng/ul | -0.01    |

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| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.08 | 152  | 1112     | 0.35 | ng/ul | -0.02    |
| 14) Fluoranthene-d10        | 19.13 | 212  | 2111     | 0.36 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene             | 10.52 | 128  | 2166     | 0.35 | ng/ul  | 97     |
| 5) 2-Methylnaphthalene     | 12.14 | 142  | 1397     | 0.35 | ng/ul  | 97     |
| 7) Acenaphthylene          | 14.04 | 152  | 1998     | 0.36 | ng/ul  | 96     |
| 8) Acenaphthene            | 14.38 | 153  | 1443     | 0.34 | ng/ul  | 92     |
| 9) Fluorene                | 15.39 | 166  | 1578     | 0.33 | ng/ul  | 93     |
| 11) Pentachlorophenol      | 16.76 | 266  | 237      | 0.32 | ng/ul  | 93     |
| 12) Phenanthrene           | 17.12 | 178  | 2227     | 0.34 | ng/ul  | 97     |
| 13) Anthracene             | 17.23 | 178  | 2213     | 0.36 | ng/ul  | 96     |
| 15) Fluoranthene           | 19.15 | 202  | 2571m    | 0.31 | ng/ul  |        |
| 17) Pyrene                 | 19.51 | 202  | 2691     | 0.44 | ng/ul  | 99     |
| 18) Benzo(a)anthracene     | 21.27 | 228  | 2216     | 0.41 | ng/ul  | 96     |
| 19) Chrysene               | 21.32 | 228  | 2279     | 0.34 | ng/ul  | 94     |
| 21) Benzo(b)fluoranthene   | 22.84 | 252  | 2315     | 0.32 | ng/ul  | 96     |
| 22) Benzo(k)fluoranthene   | 22.88 | 252  | 2432     | 0.33 | ng/ul  | 96     |
| 23) Benzo(a)pyrene         | 23.41 | 252  | 2373     | 0.35 | ng/ul  | 96     |
| 24) Indeno(1,2,3-cd)pyrene | 25.76 | 276  | 2857     | 0.34 | ng/ul# | 93     |
| 25) Dibenzo(a,h)anthracene | 25.77 | 278  | 2288     | 0.34 | ng/ul  | 94     |
| 26) Benzo(g,h,i)perylene   | 26.45 | 276  | 2449     | 0.33 | ng/ul  | 94     |

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