

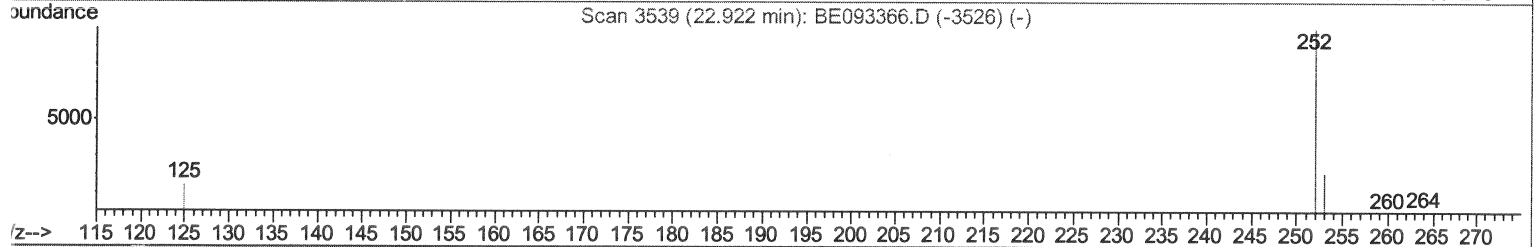
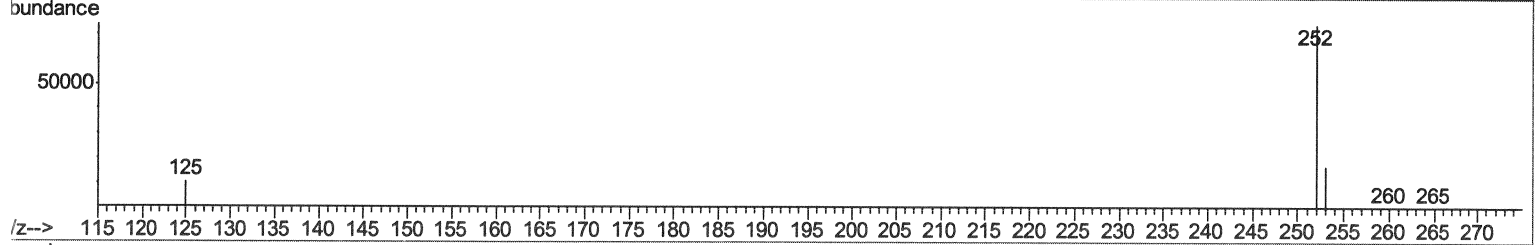
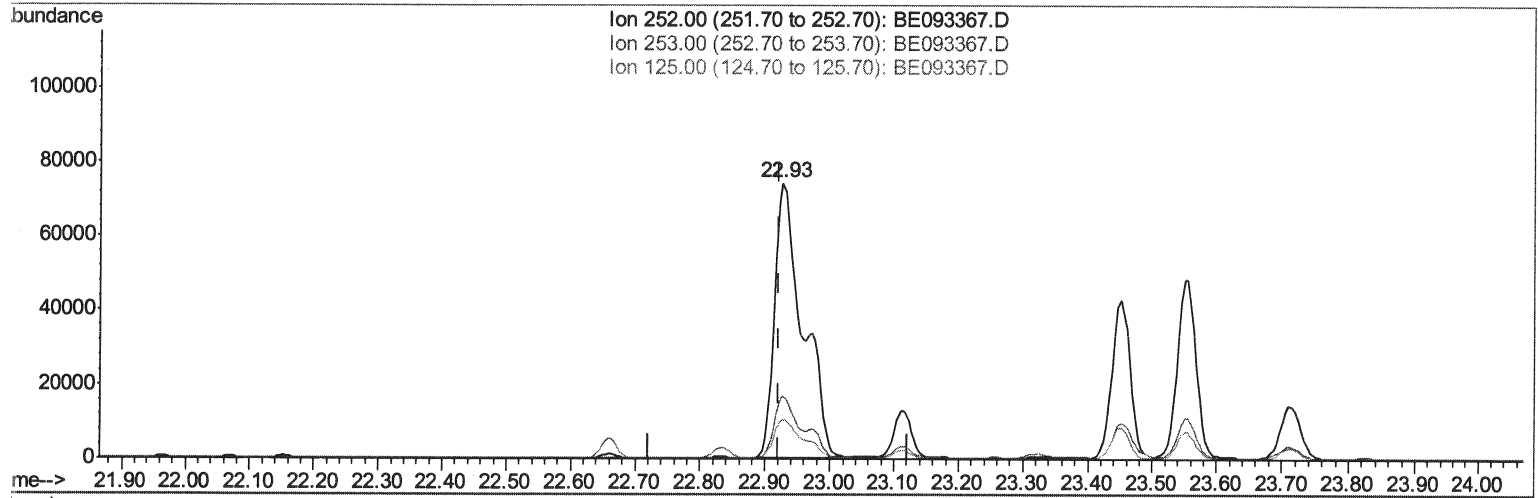
Data File : BE093367.D  
Acq On : 24 Jun 2017 18:24  
Operator : SJ/JU  
Sample : I3627-12DL 10X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5B42DL

Manual Integrations  
APPROVED

mohammad  
6/29/2017 8:34:29 AM

Quant Time: Jun 26 01:58:09 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 26 01:58:03 2017  
Response via : Initial Calibration



TIC: BE093367.D

(21) Benzo(b)fluoranthene

22.927min (+0.005) 7.20ng/ul

response 222457

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 22.82 |
| 125.00 | 17.50 | 14.10 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062417\  
Quantitation Report (Qedit)

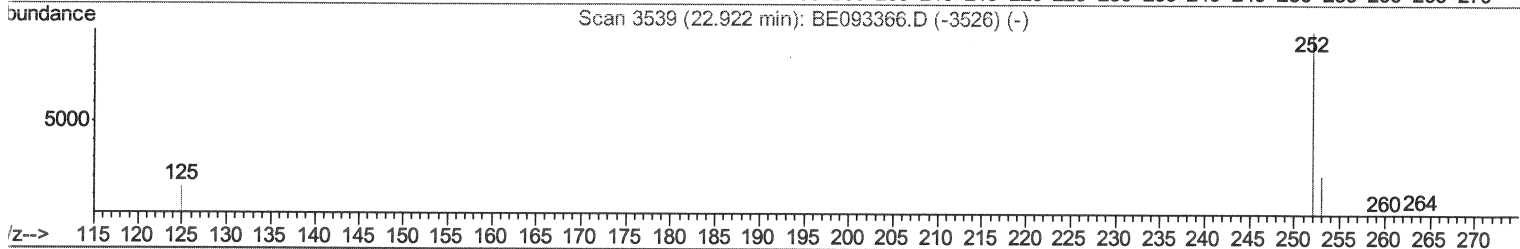
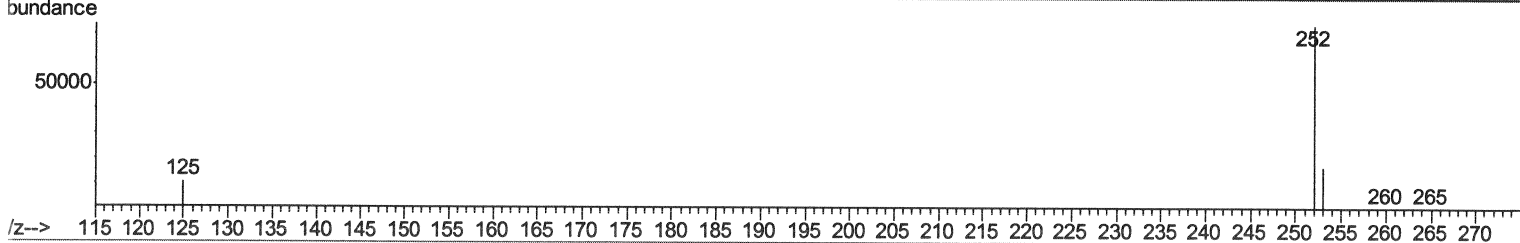
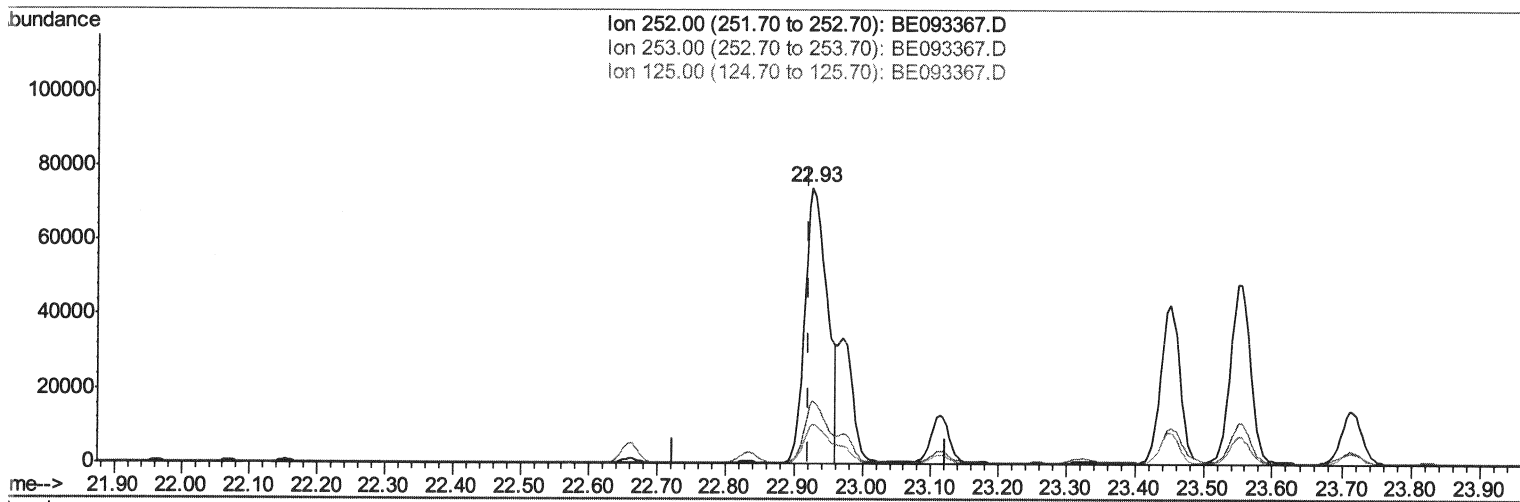
Data File : BE093367.D  
Acq On : 24 Jun 2017 18:24  
Operator : SJ/JU  
Sample : I3627-12DL 10X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5B42DL

Manual Integrations  
APPROVED

mohammad  
6/29/2017 8:34:29 AM

Quant Time: Jun 26 01:58:09 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 26 01:58:03 2017  
Response via : Initial Calibration



TIC: BE093367.D

(21) Benzo(b)fluoranthene

22.927min (+0.005) 5.45ng/ul m

response 168447

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 22.82 |
| 125.00 | 17.50 | 14.10 |
| 0.00   | 0.00  | 0.00  |

*SJ*  
*6/29/17*

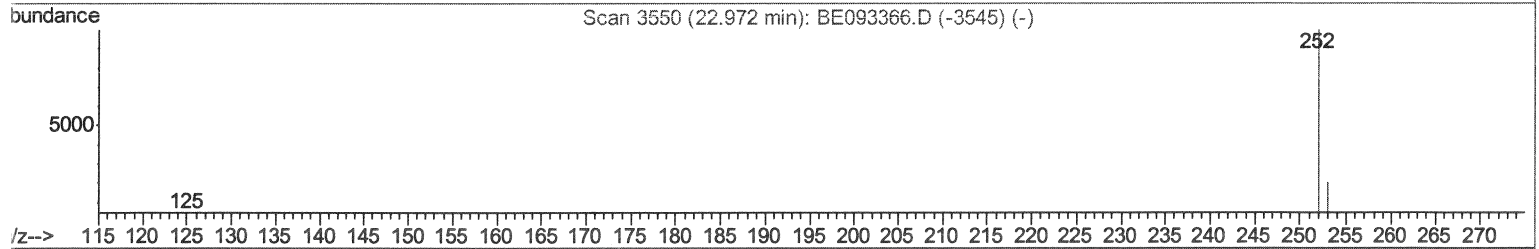
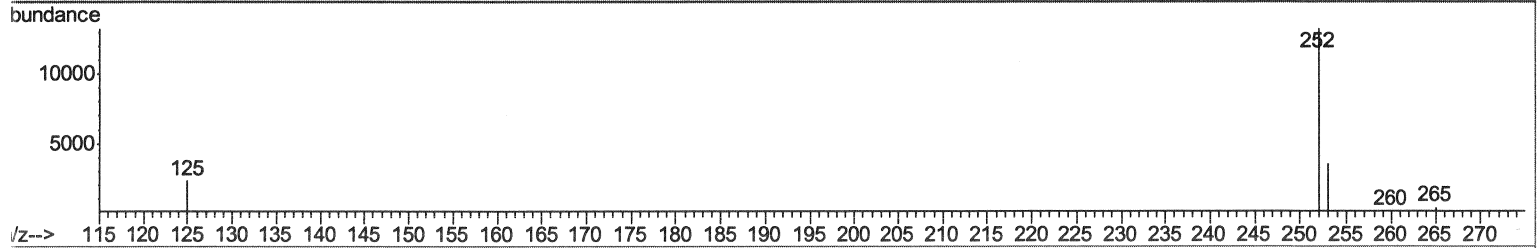
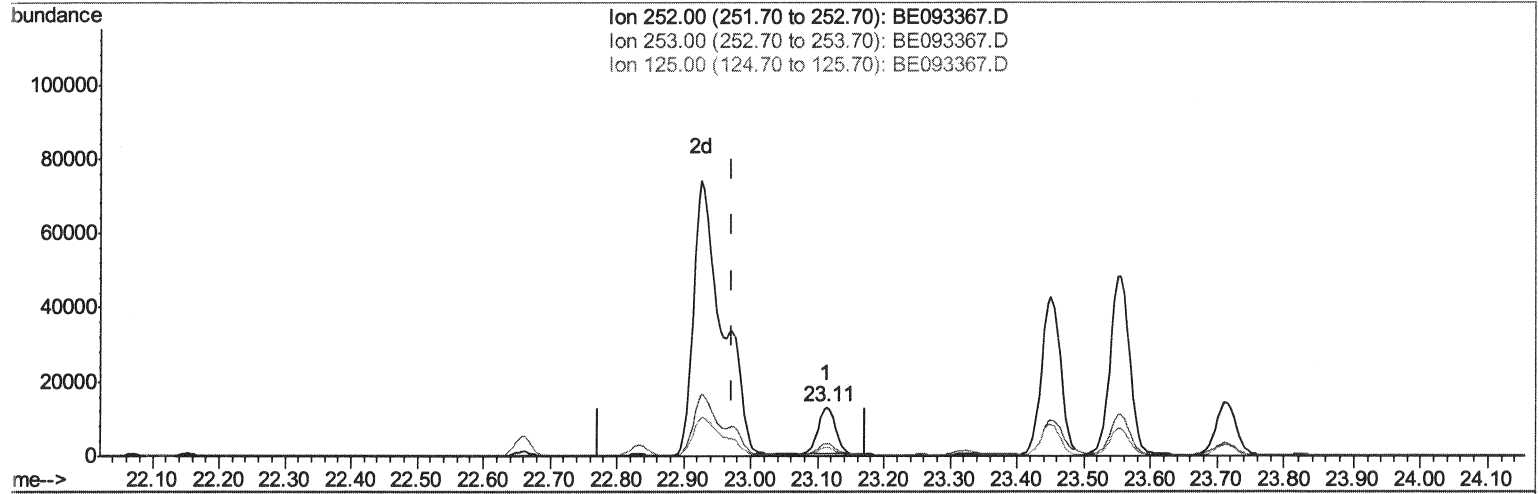
Data File : BE093367.D  
Acq On : 24 Jun 2017 18:24  
Operator : SJ/JU  
Sample : I3627-12DL 10X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5B42DL

Manual Integrations  
APPROVED

mohammad  
6/29/2017 8:34:29 AM

Quant Time: Jun 26 01:58:09 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 26 01:58:03 2017  
Response via : Initial Calibration



TIC: BE093367.D

(22) Benzo(k)fluoranthene

23.114min (+0.142) 0.71ng/ul

response 23277

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 26.56 |
| 125.00 | 17.10 | 17.66 |
| 0.00   | 0.00  | 0.00  |

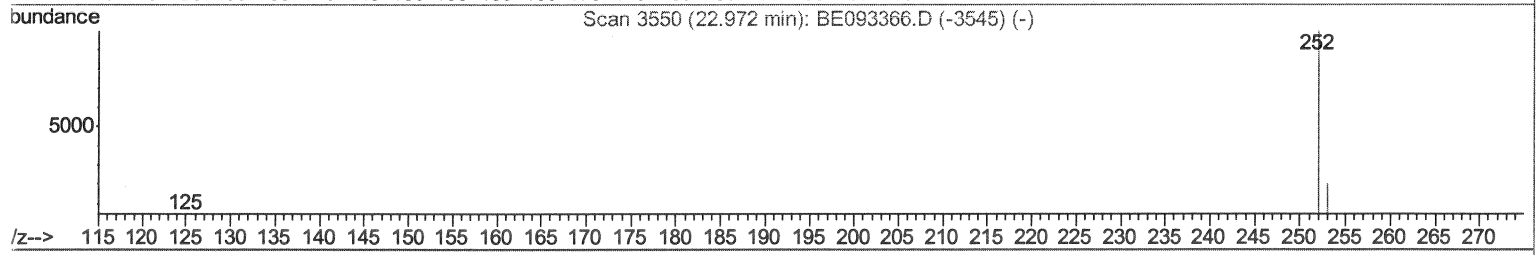
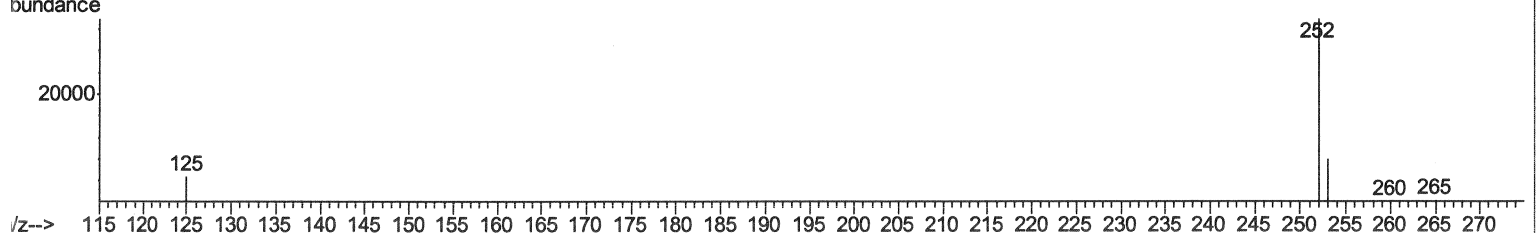
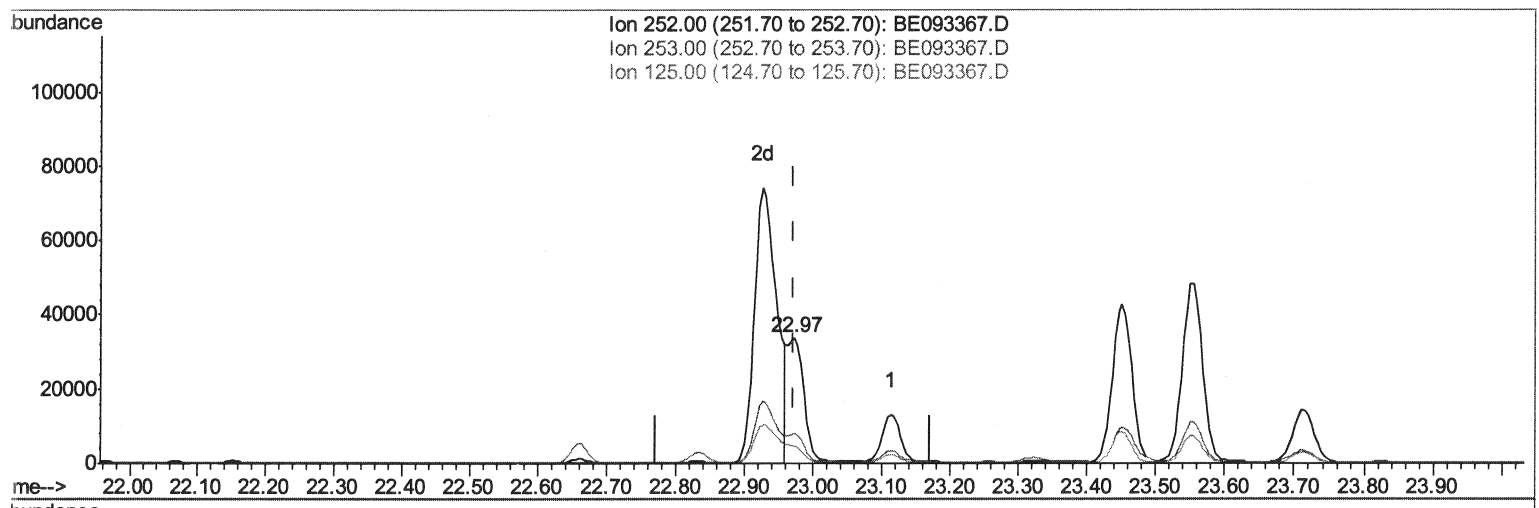
Data File : BE093367.D  
Acq On : 24 Jun 2017 18:24  
Operator : SJ/JU  
Sample : I3627-12DL 10X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5B42DL

Manual Integrations  
APPROVED

mohammad  
6/29/2017 8:34:29 AM

Quant Time: Jun 26 01:58:09 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
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Response via : Initial Calibration



TIC: BE093367.D

(22) Benzo(k)fluoranthene

22.972min (+0.001) 1.70ng/ul m *55 8/6/19/17*

response 55753

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 23.78# |
| 125.00 | 17.10 | 14.12  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062417\  
Quantitation Report (QT Reviewed)

Data File : BE093367.D  
Acq On : 24 Jun 2017 18:24  
Operator : SJ/JU  
Sample : I3627-12DL 10X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleID :  
F5B42DL

Manual Integrations  
APPROVED

mohammad  
6/29/2017 8:34:29 AM

Quant Time: Jun 26 02:00:07 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 26 01:58:03 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 1326     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.51 | 136  | 7076     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.36 | 164  | 4099     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.10 | 188  | 10378    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.26 | 240  | 11979    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.66 | 264  | 10188    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.10 | 152  | 310      | 0.03 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.12 | 212  | 918      | 0.03 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue     |
|----------------------------|-------|------|----------|------|--------|------------|
| 3) Naphthalene             | 10.56 | 128  | 1162     | 0.07 | ng/ul# | 90         |
| 5) 2-Methylnaphthalene     | 12.18 | 142  | 210      | 0.02 | ng/ul  | 99         |
| 7) Acenaphthylene          | 14.08 | 152  | 11027    | 0.63 | ng/ul  | 95         |
| 8) Acenaphthene            | 14.42 | 153  | 313      | 0.02 | ng/ul# | 87         |
| 9) Fluorene                | 15.42 | 166  | 418      | 0.03 | ng/ul# | 84         |
| 12) Phenanthrene           | 17.14 | 178  | 4777     | 0.17 | ng/ul# | 92         |
| 13) Anthracene             | 17.22 | 178  | 13438    | 0.54 | ng/ul# | 91         |
| 15) Fluoranthene           | 19.15 | 202  | 40772    | 1.16 | ng/ul  | 83         |
| 17) Pyrene                 | 19.51 | 202  | 98116    | 2.78 | ng/ul# | 88         |
| 18) Benzo(a)anthracene     | 21.24 | 228  | 45090    | 1.41 | ng/ul# | 85         |
| 19) Chrysene               | 21.29 | 228  | 70391    | 2.12 | ng/ul  | 98         |
| 21) Benzo(b)fluoranthene   | 22.93 | 252  | 168447m  | 5.45 | ng/ul  | J5 6/29/17 |
| 22) Benzo(k)fluoranthene   | 22.97 | 252  | 55753m   | 1.70 | ng/ul  |            |
| 23) Benzo(a)pyrene         | 23.55 | 252  | 97282    | 3.33 | ng/ul# | 81         |
| 24) Indeno(1,2,3-cd)pyrene | 26.18 | 276  | 63141    | 1.87 | ng/ul# | 87         |
| 25) Dibenzo(a,h)anthracene | 26.19 | 278  | 17332    | 0.61 | ng/ul  | 92         |
| 26) Benzo(g,h,i)perylene   | 26.95 | 276  | 47366    | 1.63 | ng/ul  | 96         |

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

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