

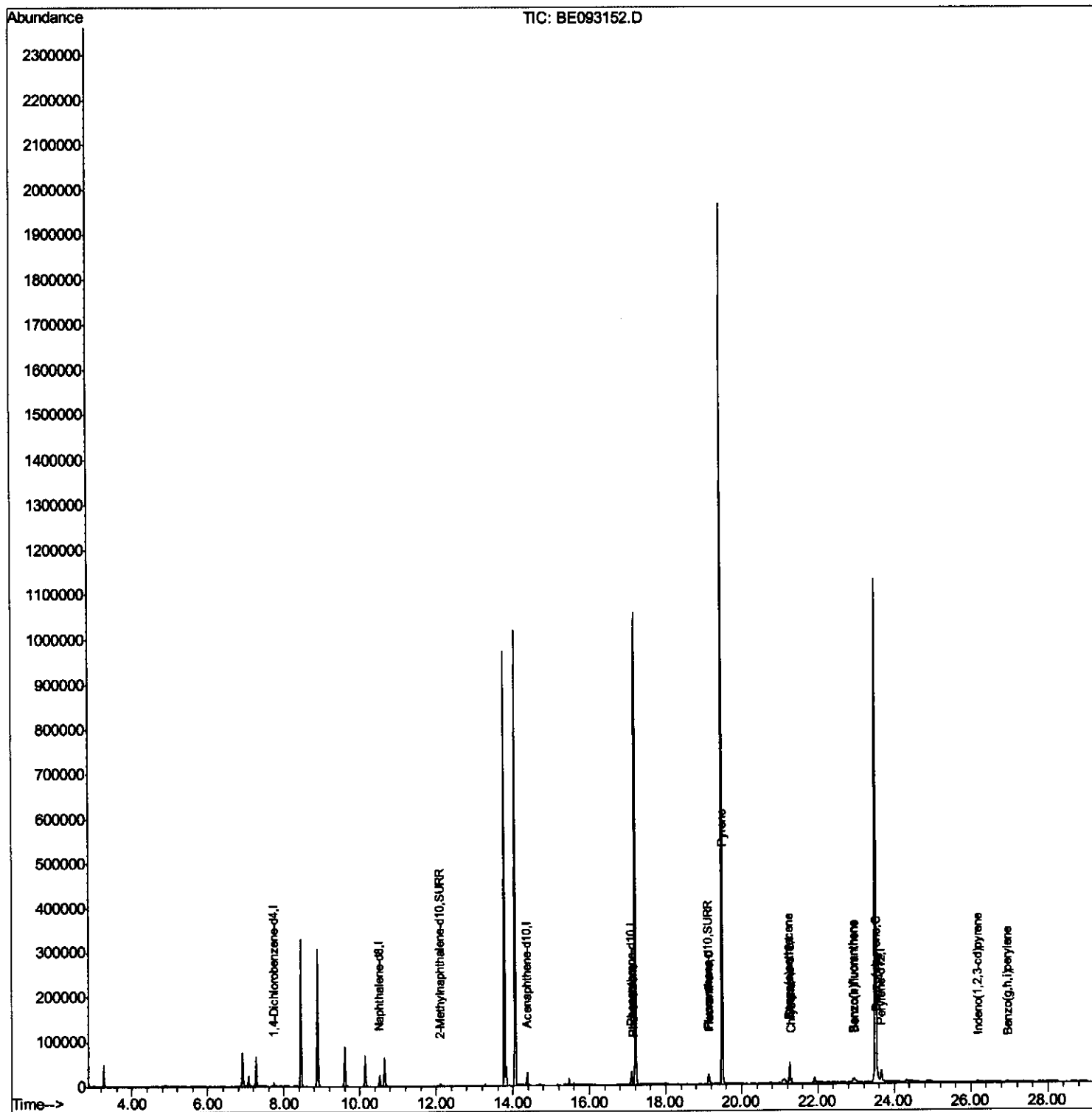
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
Data File : BE093152.D  
Acq On : 14 Jun 2017 4:18  
Operator : SJ/MA  
Sample : I3520-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5A43

Manual Integrations  
APPROVED

mohammad  
6/14/2017 2:59:59 PM

Quant Time: Jun 14 11:22:47 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 14 08:39:04 2017  
Response via : Initial Calibration



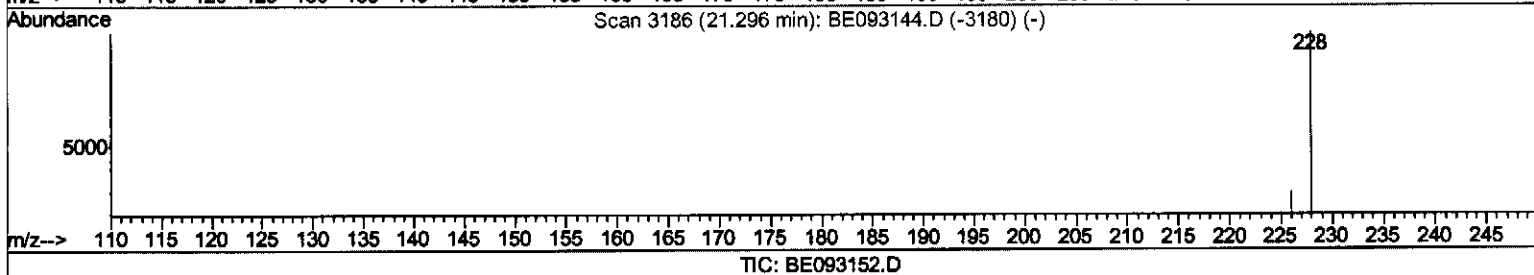
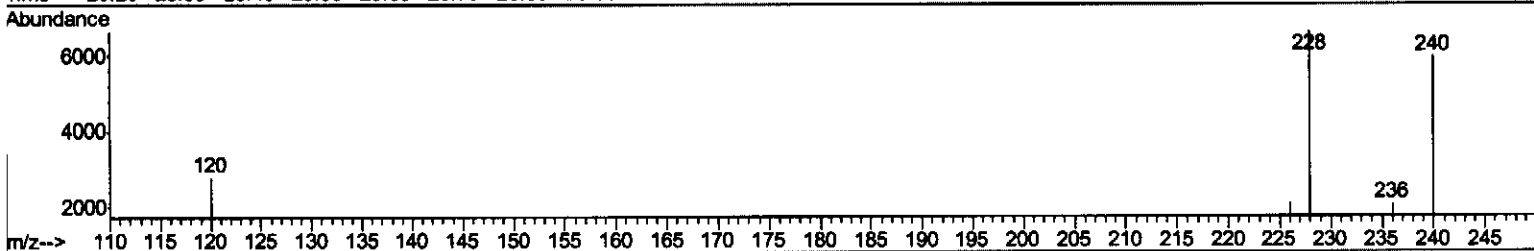
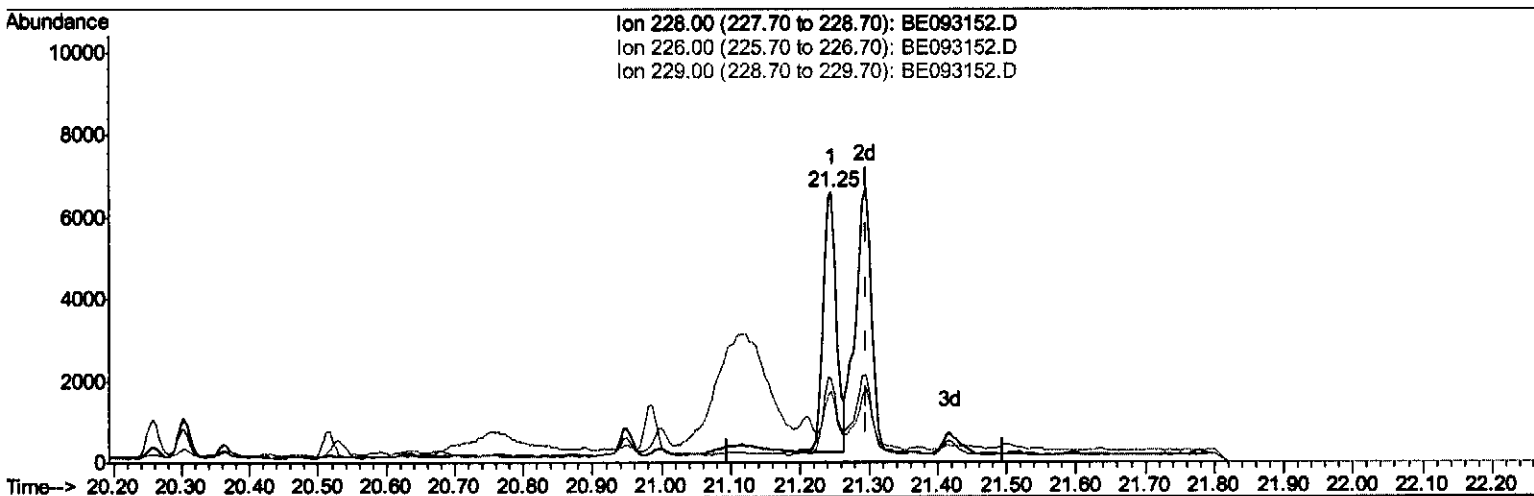
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
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ClientSampleId :  
F5A43

Manual Integrations  
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mohammad  
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Quant Time: Jun 14 11:15:48 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 14 08:39:04 2017  
Response via : Initial Calibration



(19) Chrysene

21.245min (-0.050) 0.08ng/ul

response 8667

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.20 | 31.00 |
| 229.00 | 22.10 | 26.12 |
| 0.00   | 0.00  | 0.00  |

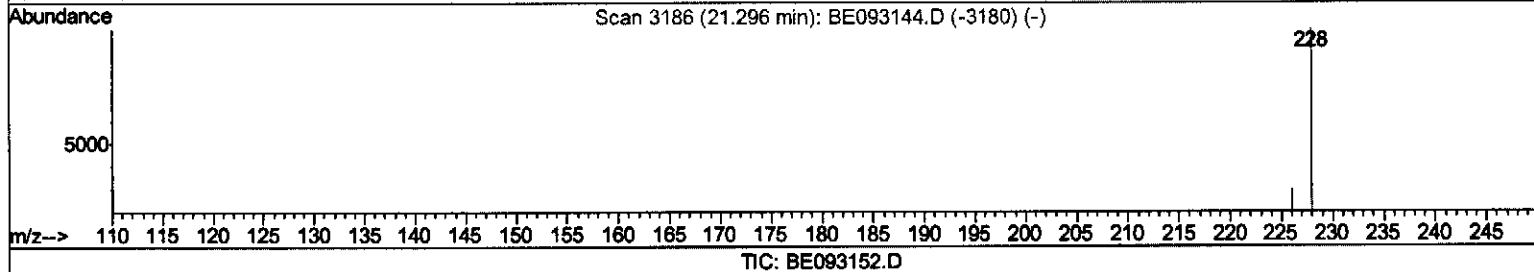
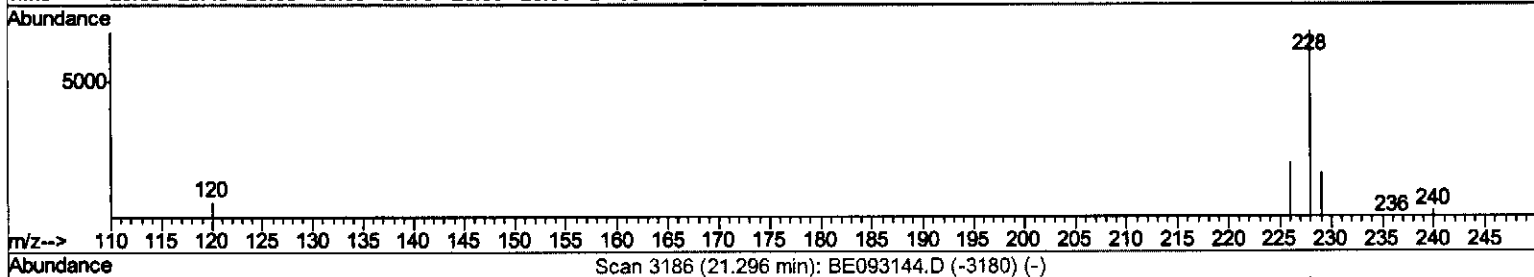
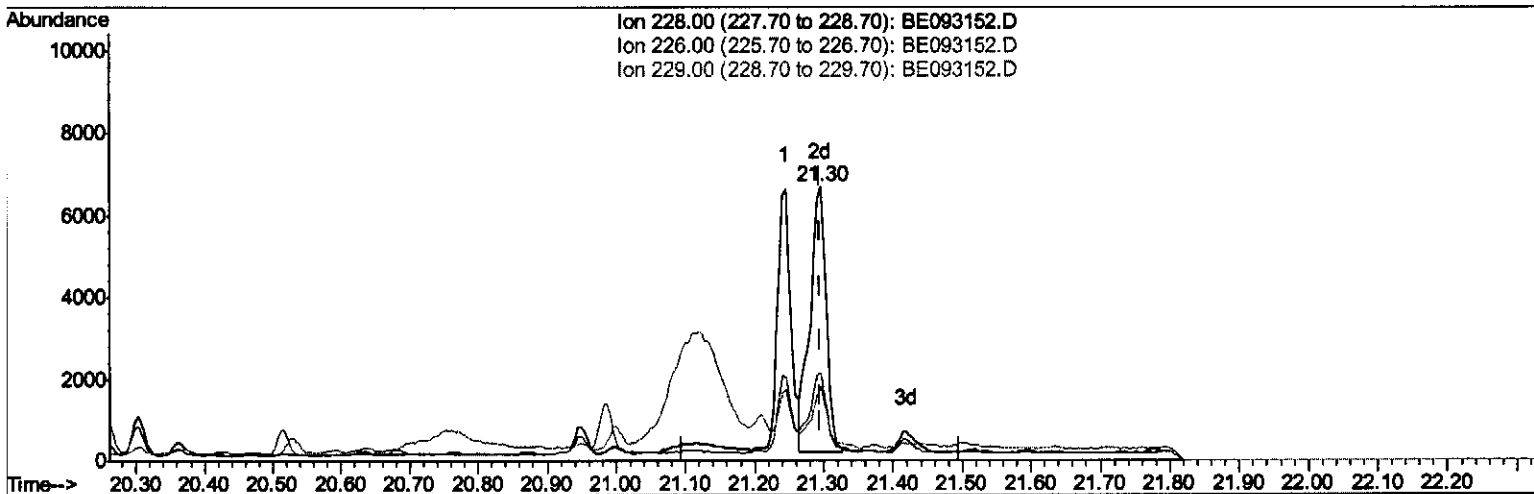
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
Data File : BE093152.D  
Acq On : 14 Jun 2017 4:18  
Operator : SJ/MA  
Sample : I3520-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5A43

Manual Integrations  
APPROVED

mohammad  
6/14/2017 2:59:59 PM

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QLast Update : Wed Jun 14 08:39:04 2017  
Response via : Initial Calibration



(19) Chrysene

21.295min (-0.000) 0.10ng/ul m

response 10313

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.20 | 31.95  |
| 229.00 | 22.10 | 26.63# |
| 0.00   | 0.00  | 0.00   |

SJ  
06/21/17

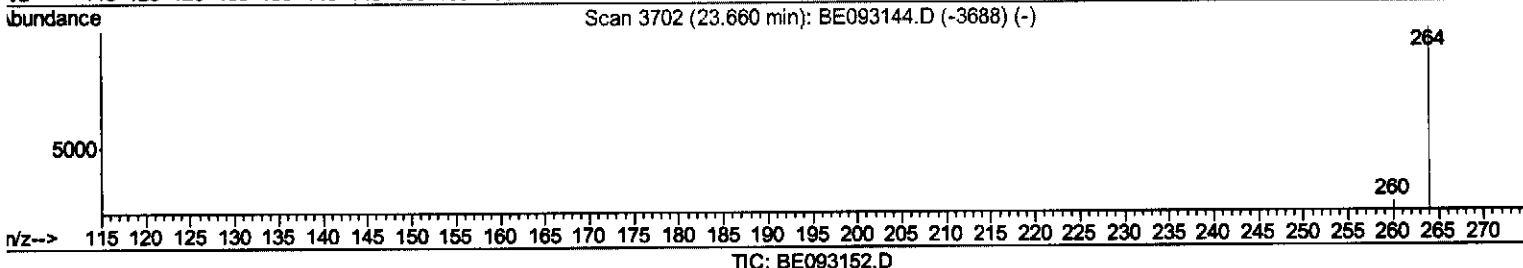
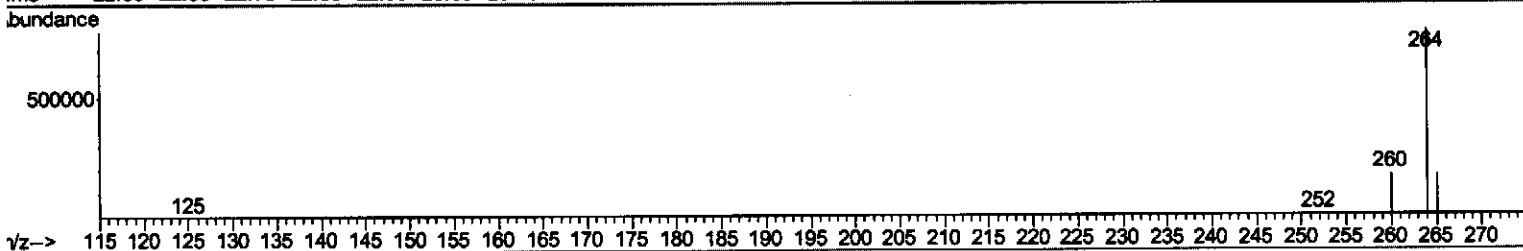
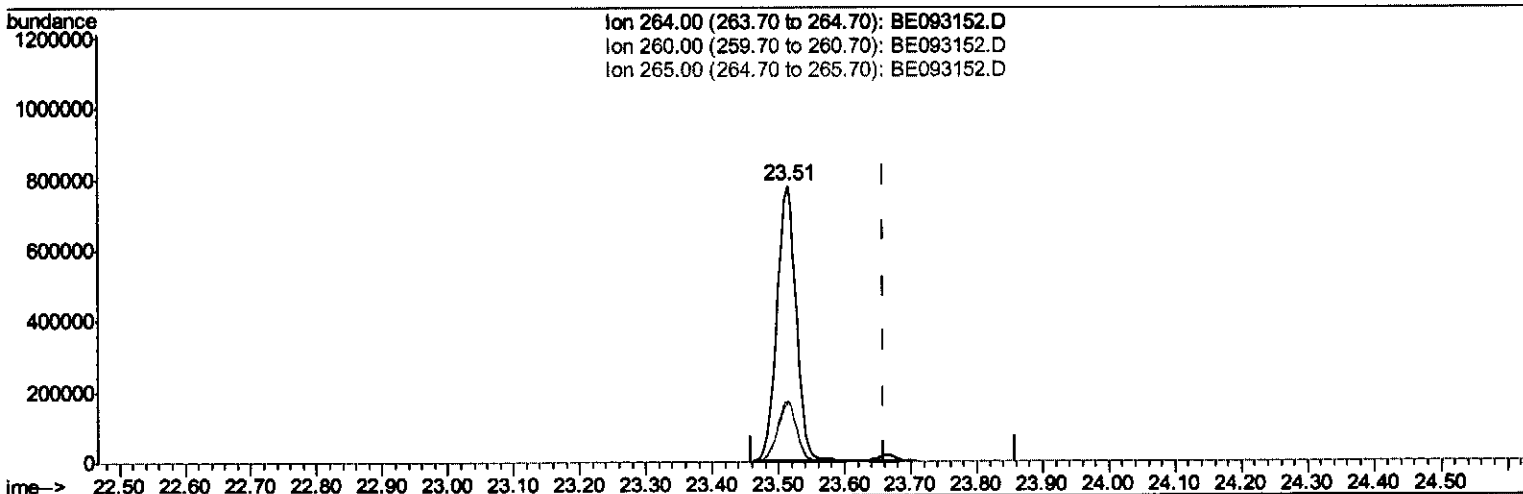
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
Data File : BE093152.D  
Acq On : 14 Jun 2017 4:18  
Operator : SJ/MA  
Sample : I3520-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5A43

Manual Integrations  
APPROVED

mohammad  
6/14/2017 2:59:59 PM

Quant Time: Jun 14 11:15:48 2017  
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QLast Update : Wed Jun 14 08:39:04 2017  
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.514min (-0.145) 0.40ng/ui

response 1559429

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 22.13# |
| 265.00 | 103.50 | 21.81# |
| 0.00   | 0.00   | 0.00   |

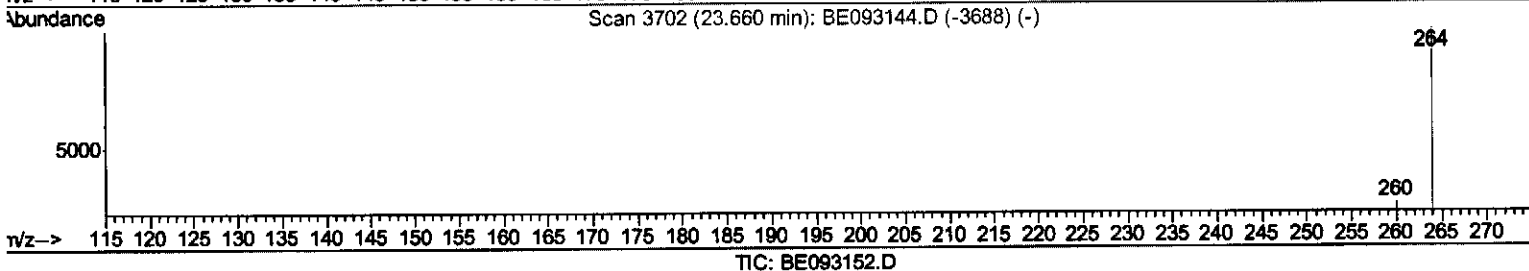
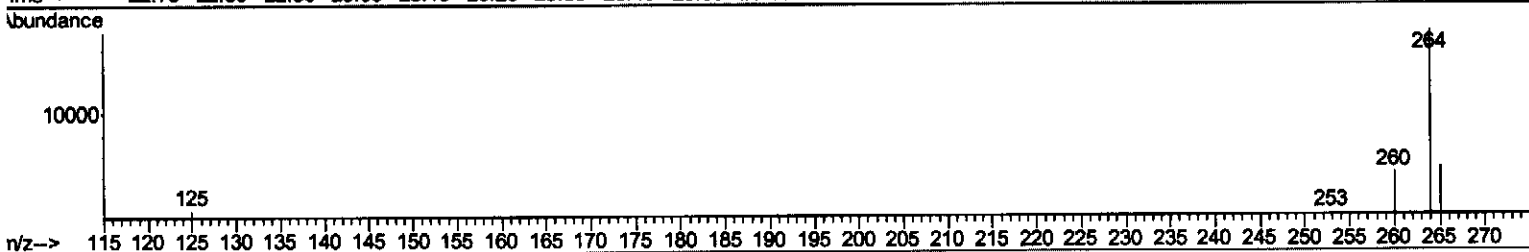
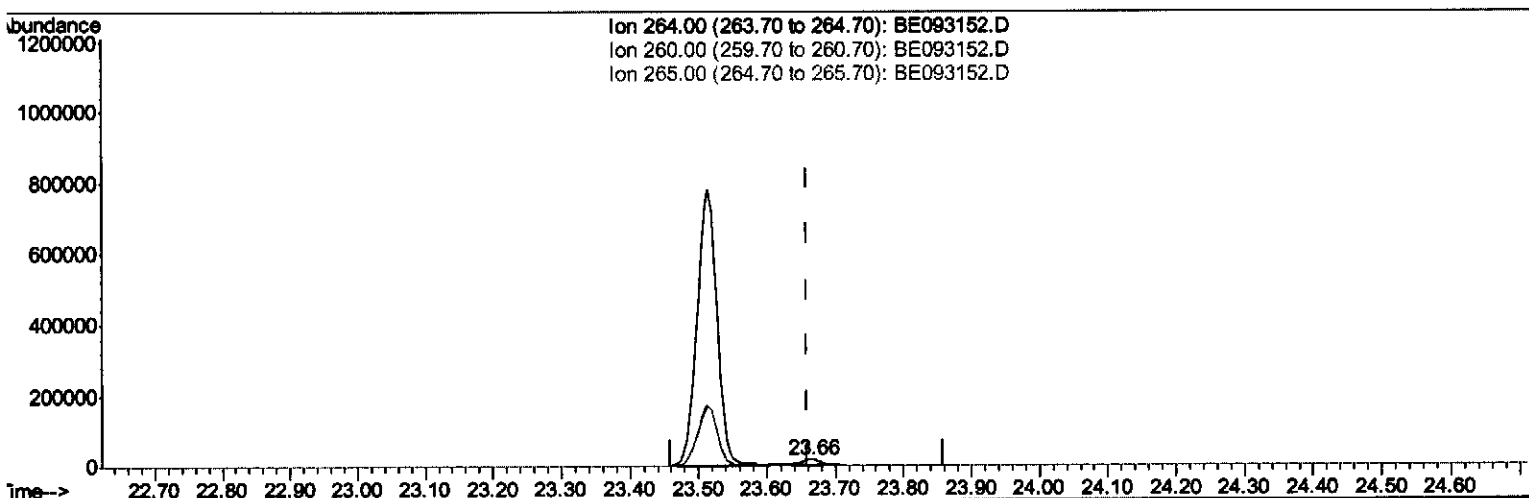
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
Data File : BE093152.D  
Acq On : 14 Jun 2017 4:18  
Operator : SJ/MA  
Sample : I3520-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5A43

Manual Integrations  
APPROVED

mohammad  
6/14/2017 2:59:59 PM

Quant Time: Jun 14 11:15:48 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 14 08:39:04 2017  
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.665min (+0.005) 0.40ng/ul m

response 30148

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 24.72  |
| 265.00 | 103.50 | 27.79# |
| 0.00   | 0.00   | 0.00   |

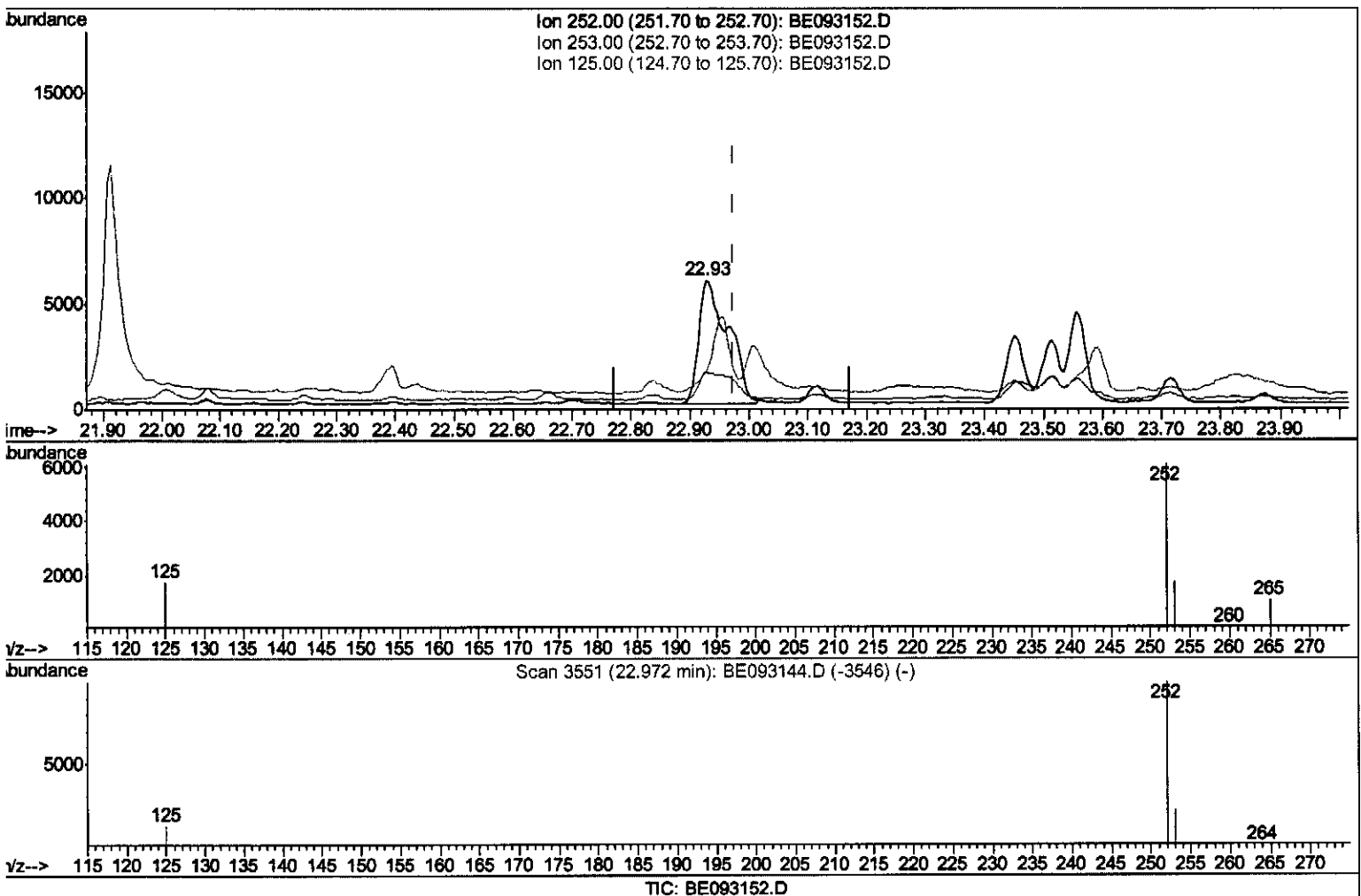
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
Data File : BE093152.D  
Acq On : 14 Jun 2017 4:18  
Operator : SJ/MA  
Sample : I3520-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5A43

Manual Integrations  
APPROVED

mohammad  
6/14/2017 2:59:59 PM

Quant Time: Jun 14 11:17:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 14 08:39:04 2017  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.927min (-0.045) 0.21ng/ul

response 20340

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 28.97  |
| 125.00 | 17.10 | 29.05# |
| 0.00   | 0.00  | 0.00   |

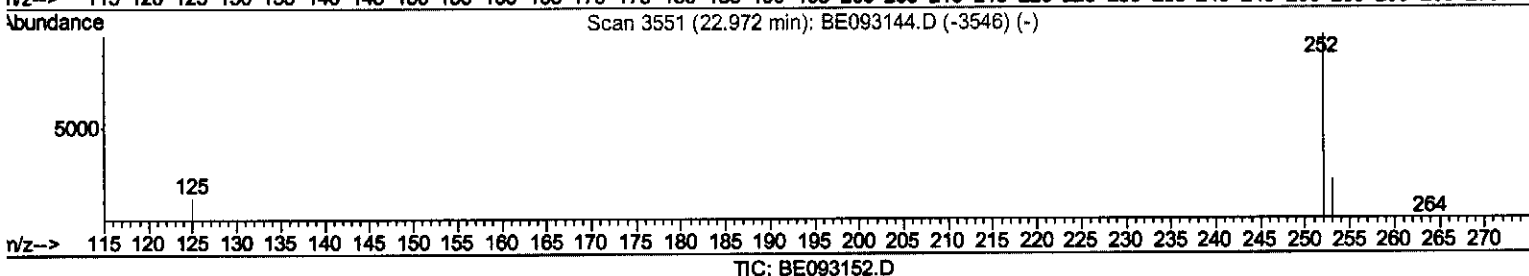
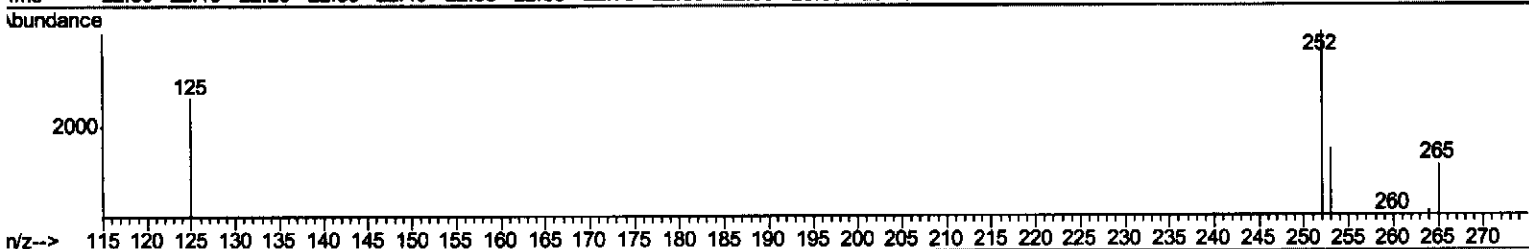
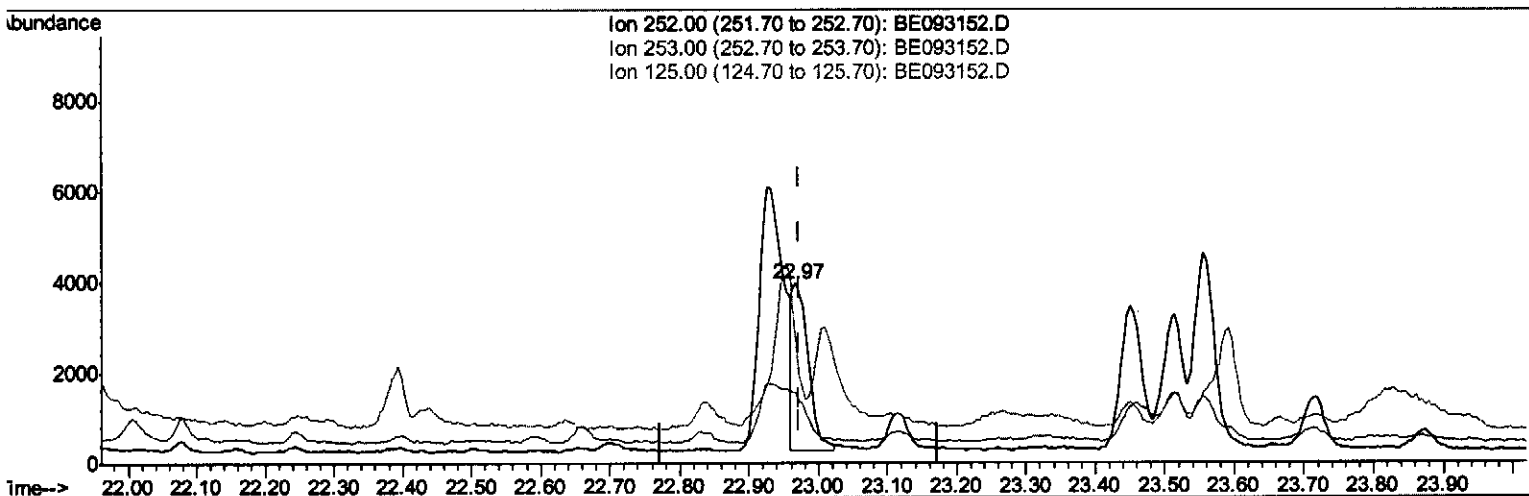
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
Data File : BE093152.D  
Acq On : 14 Jun 2017 4:18  
Operator : SJ/MA  
Sample : I3520-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5A43

Manual Integrations  
APPROVED

mohammad  
6/14/2017 2:59:59 PM

Quant Time: Jun 14 11:17:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 14 08:39:04 2017  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.968min (-0.004) 0.06ng/ul m

response 6000

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 38.30# |
| 125.00 | 17.10 | 65.24# |
| 0.00   | 0.00  | 0.00   |

SJ  
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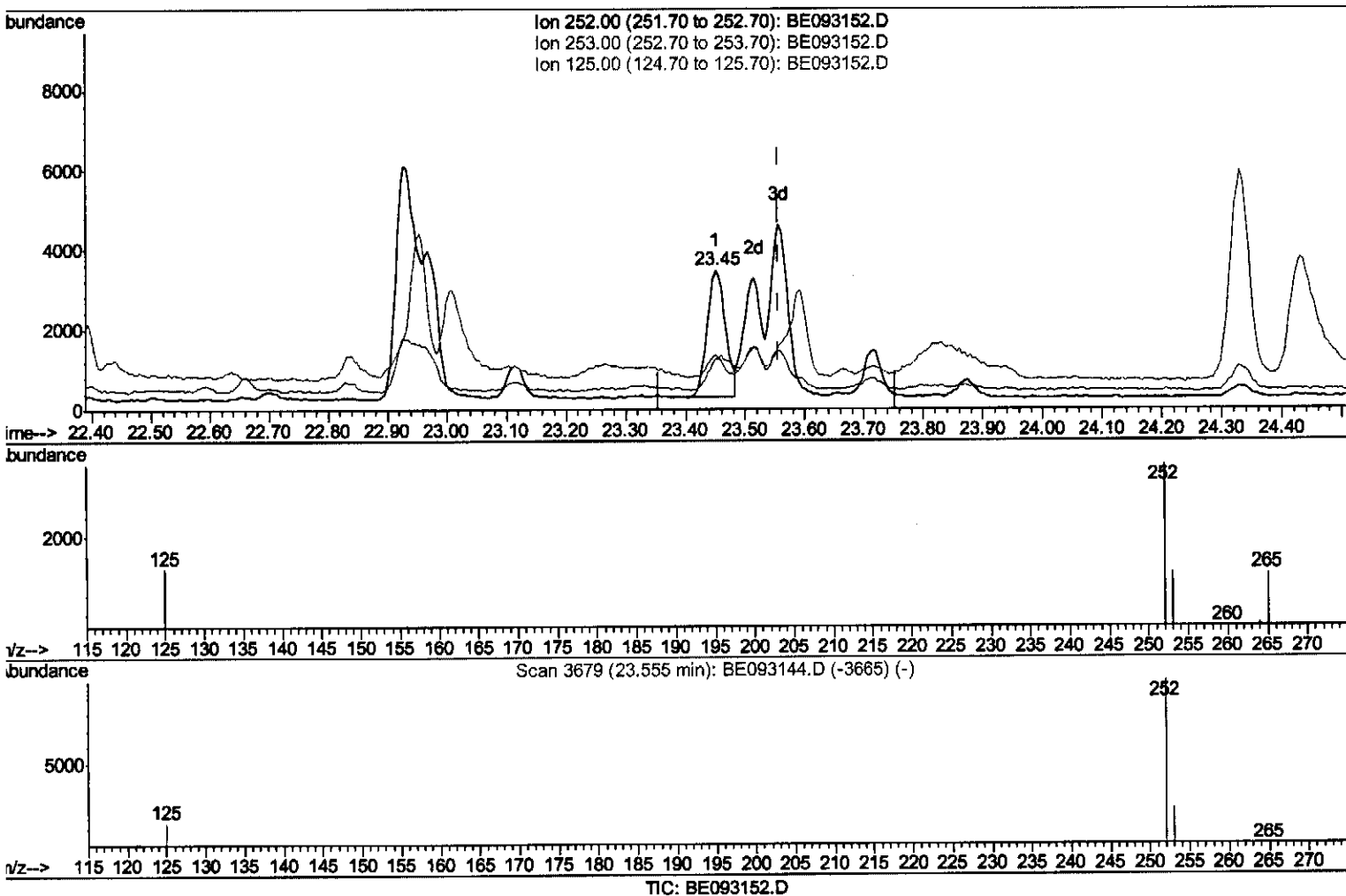
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
Data File : BE093152.D  
Acq On : 14 Jun 2017 4:18  
Operator : SJ/MA  
Sample : I3520-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5A43

Manual Integrations  
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mohammad  
6/14/2017 2:59:59 PM

Quant Time: Jun 14 11:17:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
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QLast Update : Wed Jun 14 08:39:04 2017  
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.450min (-0.104) 0.08ng/ul

response 6731

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 36.23  |
| 125.00 | 22.60 | 39.06# |
| 0.00   | 0.00  | 0.00   |



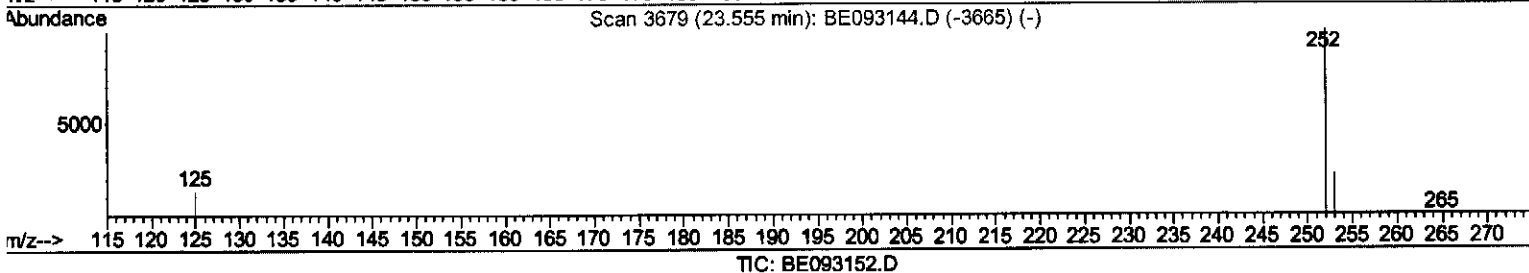
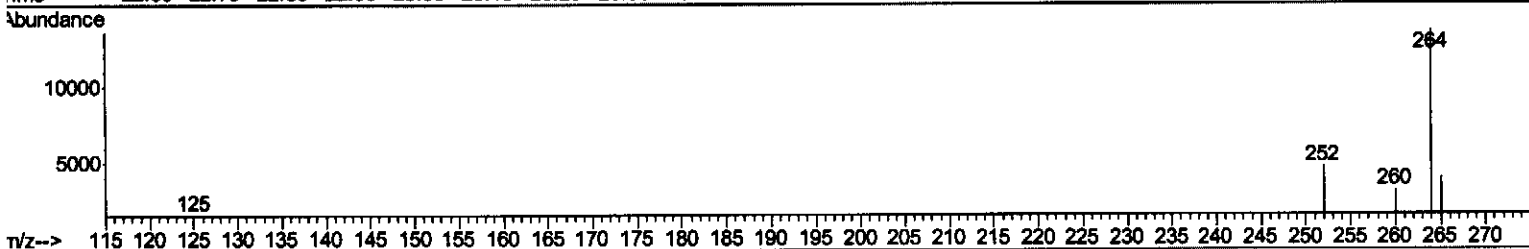
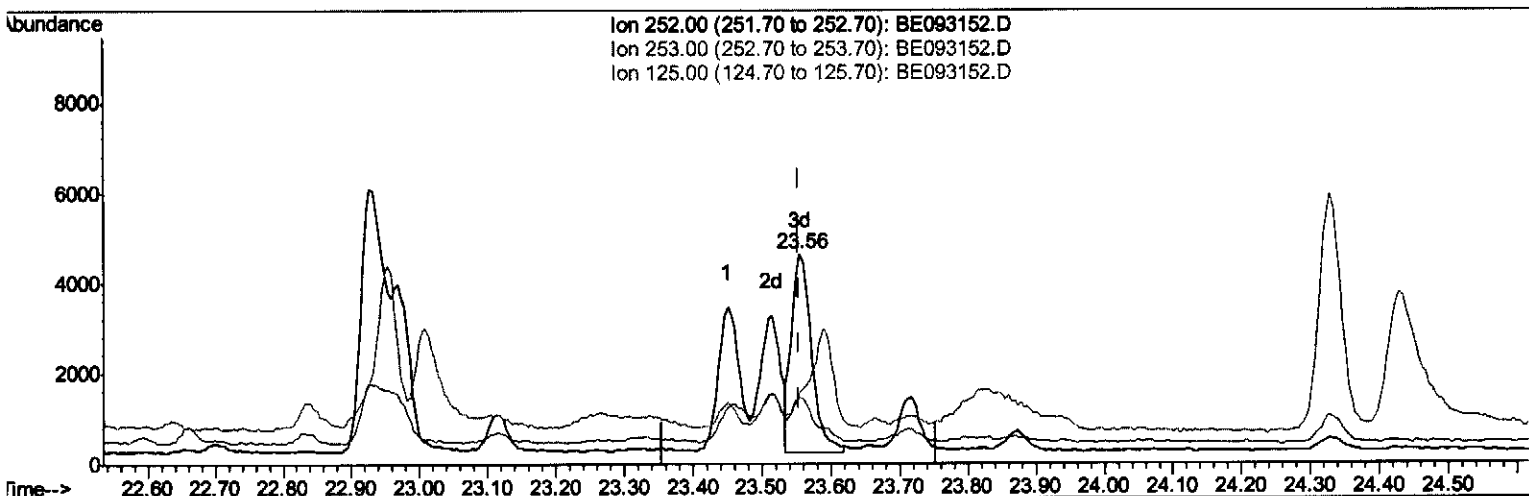
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
Data File : BE093152.D  
Acq On : 14 Jun 2017 4:18  
Operator : SJ/MA  
Sample : I3520-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5A43

Manual Integrations  
APPROVED

mohammad  
6/14/2017 2:59:59 PM

Quant Time: Jun 14 11:17:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
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QLast Update : Wed Jun 14 08:39:04 2017  
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.555min (+0.000) 0.10ng/ul m

response 8909

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 31.85  |
| 125.00 | 22.60 | 33.23# |
| 0.00   | 0.00  | 0.00   |

SJ  
06/21/17

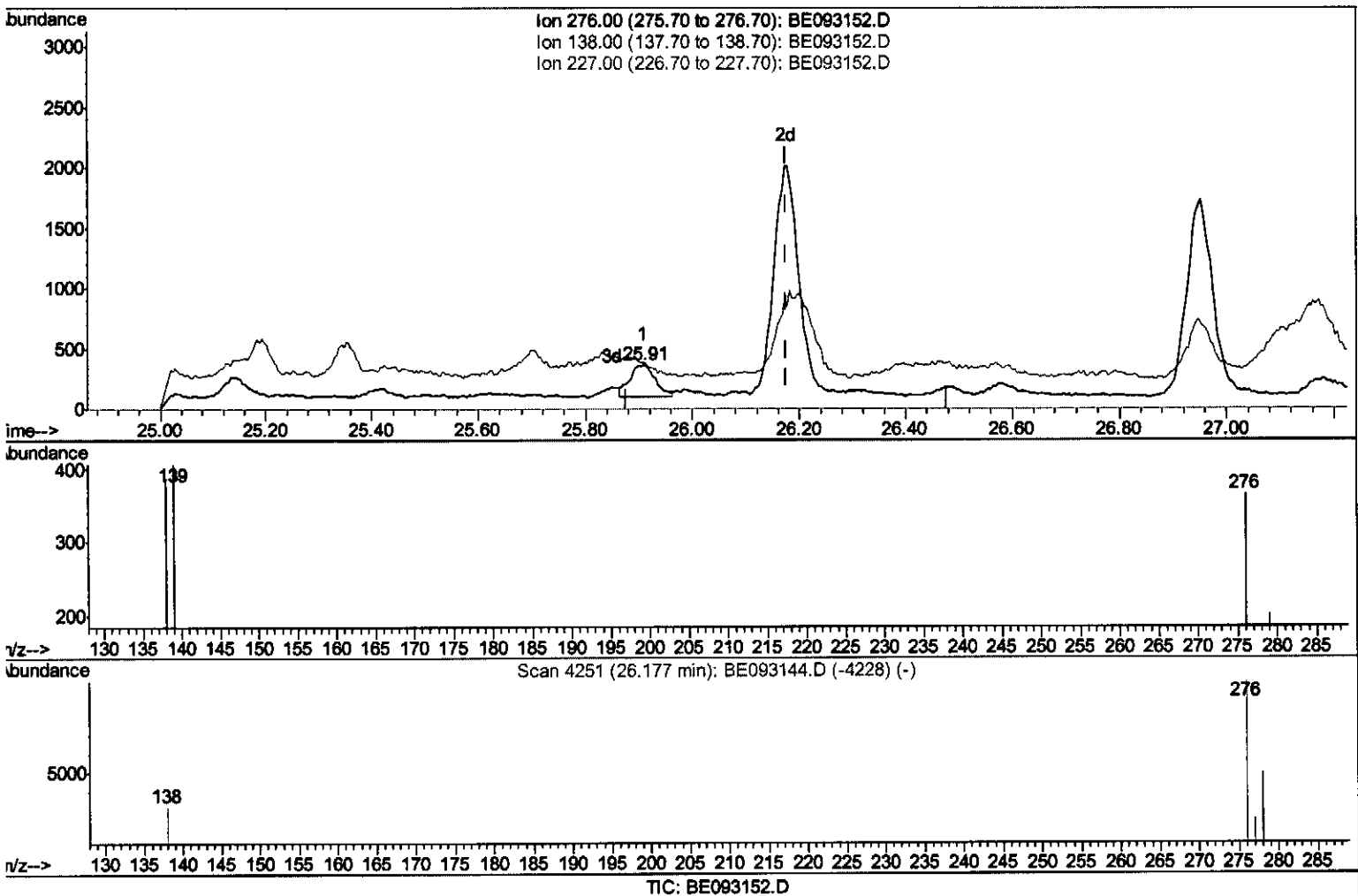
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
Data File : BE093152.D  
Acq On : 14 Jun 2017 4:18  
Operator : SJ/MA  
Sample : I3520-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5A43

Manual Integrations  
APPROVED

mohammad  
6/14/2017 2:59:59 PM

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(24) Indeno(1,2,3-cd)pyrene

25.908min (-0.269) 0.01ng/ul

response 874

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 0.00# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

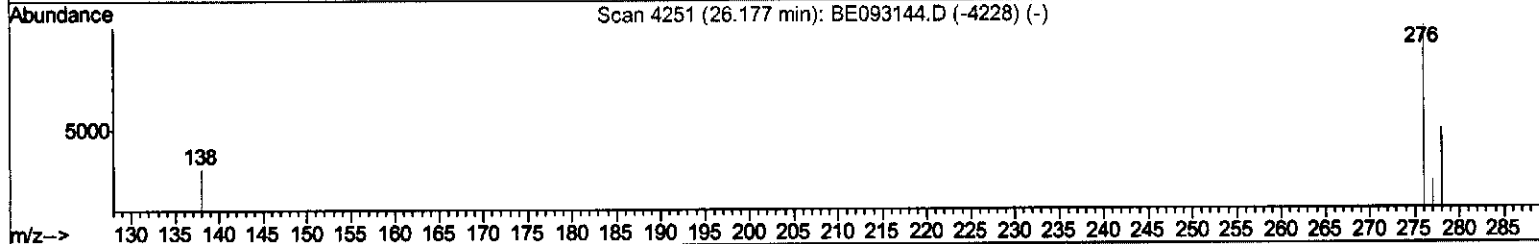
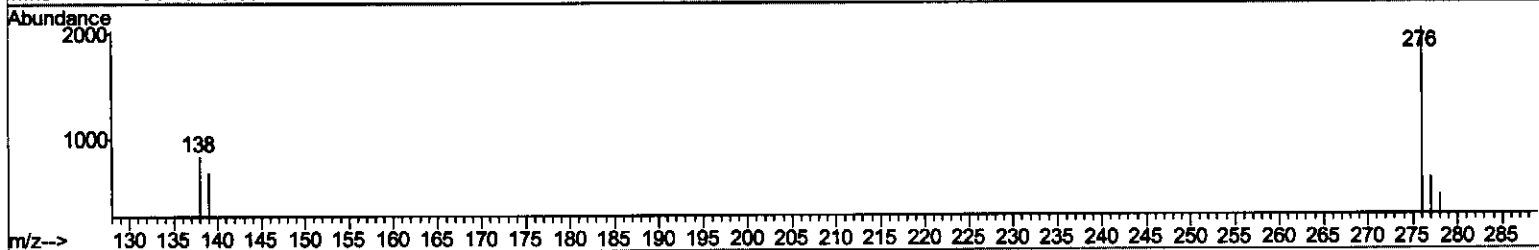
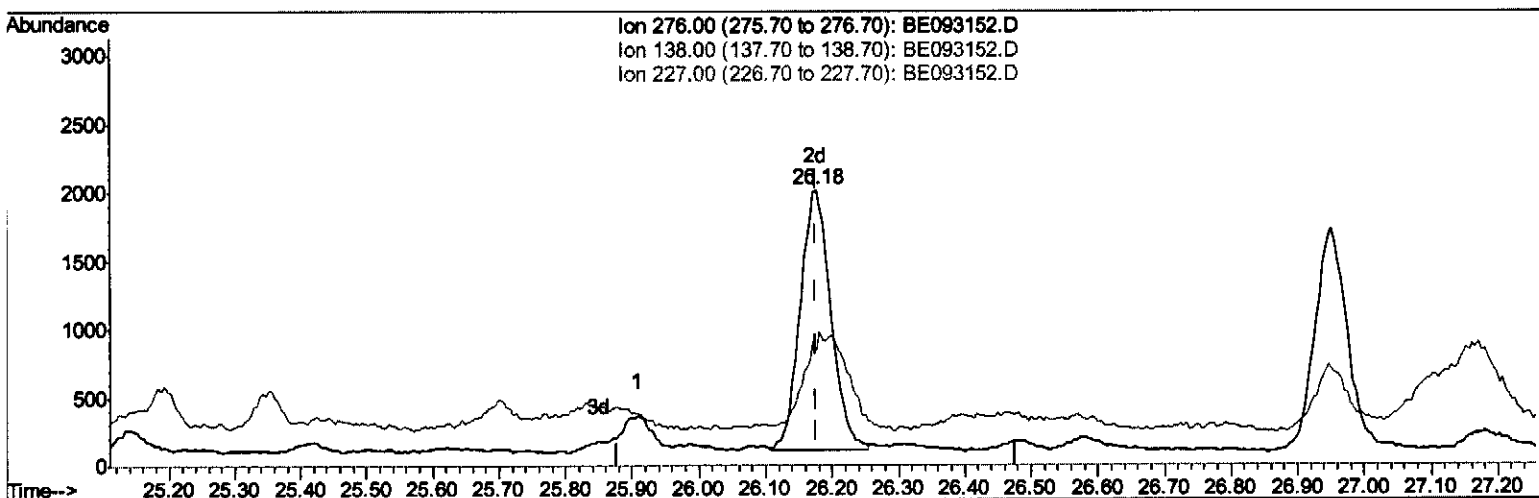
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
 Data File : BE093152.D  
 Acq On : 14 Jun 2017 4:18  
 Operator : SJ/MA  
 Sample : I3520-11  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 F5A43

Manual Integrations  
 APPROVED

mohammad  
 6/14/2017 2:59:59 PM

Quant Time: Jun 14 11:17:28 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 14 08:39:04 2017  
 Response via : Initial Calibration



TIC: BE093152.D

(24) Indeno(1,2,3-cd)pyrene

26.177min (+0.000) 0.06ng/ul m

response 6165

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 0.00# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

*JS*  
*06/21/17*

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061317\  
 Data File : BE093152.D  
 Acq On : 14 Jun 2017 4:18  
 Operator : SJ/MA  
 Sample : I3520-11  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 F5A43

Manual Integrations  
 APPROVED

mohammad  
 6/14/2017 2:59:59 PM

Quant Time: Jun 14 11:22:47 2017  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 4846     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.52 | 136  | 24566    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.37 | 164  | 14818    | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.10 | 188  | 35555    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.26 | 240  | 37922    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.66 | 264  | 30148m>  | 0.40 | ng/ul | 0.00     |

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| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 8015     | 0.22 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.12 | 212  | 22180    | 0.23 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 12) Phenanthrene           | 17.14 | 178  | 6131     | 0.063 | ng/ul# | 90     |
| 15) Fluoranthene           | 19.15 | 202  | 17216    | 0.144 | ng/ul  | 84     |
| 17) Pyrene                 | 19.51 | 202  | 19597    | 0.175 | ng/ul# | 91     |
| 18) Benzo(a)anthracene     | 21.25 | 228  | 8642     | 0.085 | ng/ul# | 89     |
| 19) Chrysene               | 21.30 | 228  | 10313m>  | 0.098 | ng/ul  |        |
| 21) Benzo(b)fluoranthene   | 22.93 | 252  | 15369    | 0.168 | ng/ul  | 87     |
| 22) Benzo(k)fluoranthene   | 22.97 | 252  | 6000m>   | 0.062 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.56 | 252  | 8909m>   | 0.103 | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 26.18 | 276  | 6165m>   | 0.062 | ng/ul  |        |
| 26) Benzo(g,h,i)perylene   | 26.95 | 276  | 5641     | 0.066 | ng/ul# | 83     |

JS 06/21/17

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