

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (QT Reviewed)

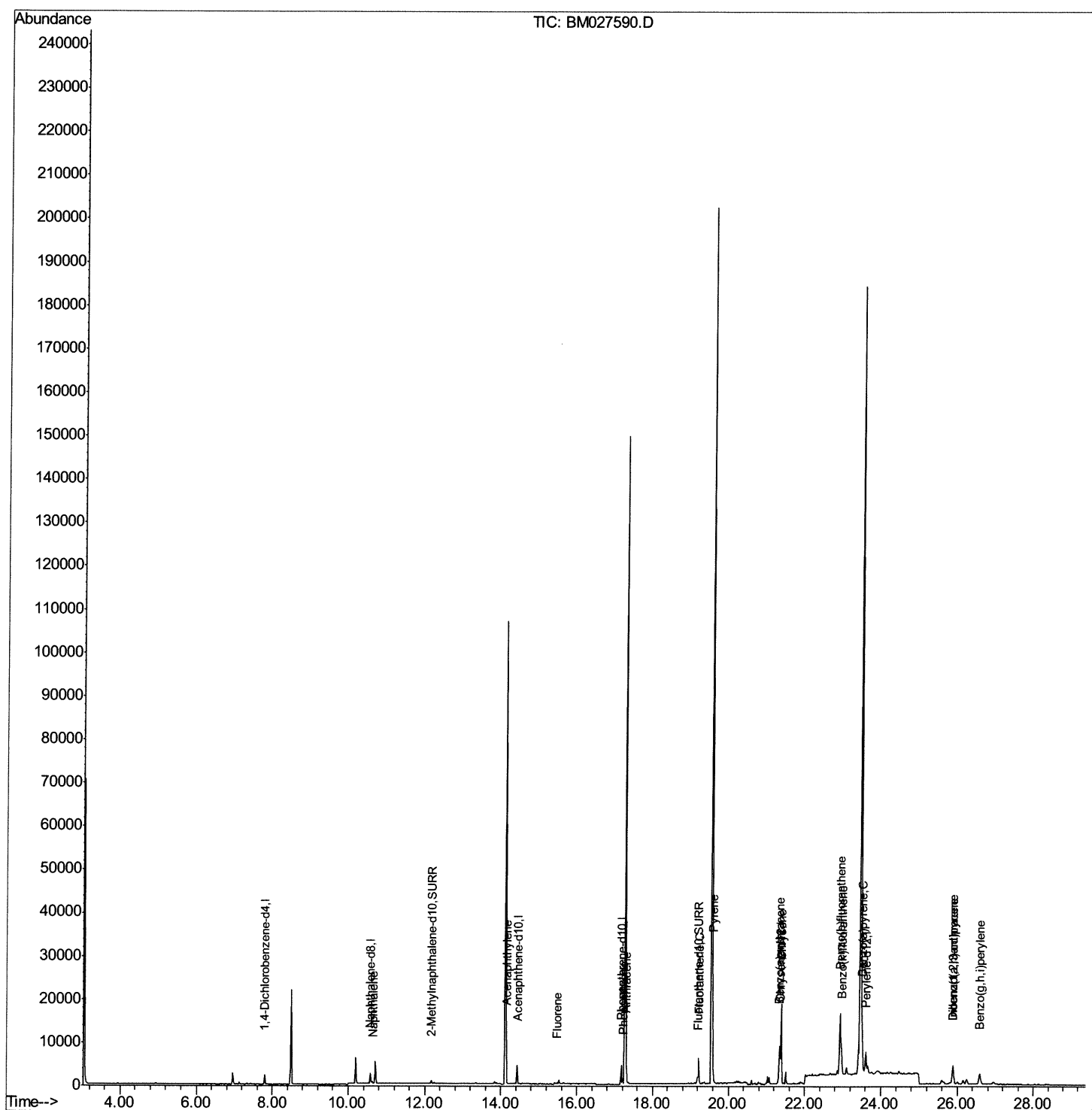
Data File : BM027590.D  
Acq On : 02 Oct 2020 20:35  
Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
APPROVED

mohammad  
10/5/2020 10:29:09 AM

Quant Time: Oct 03 02:06:05 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (Qedit)

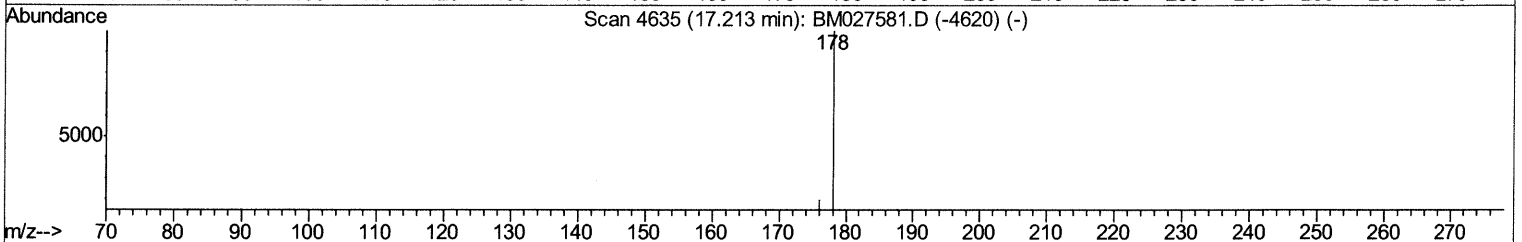
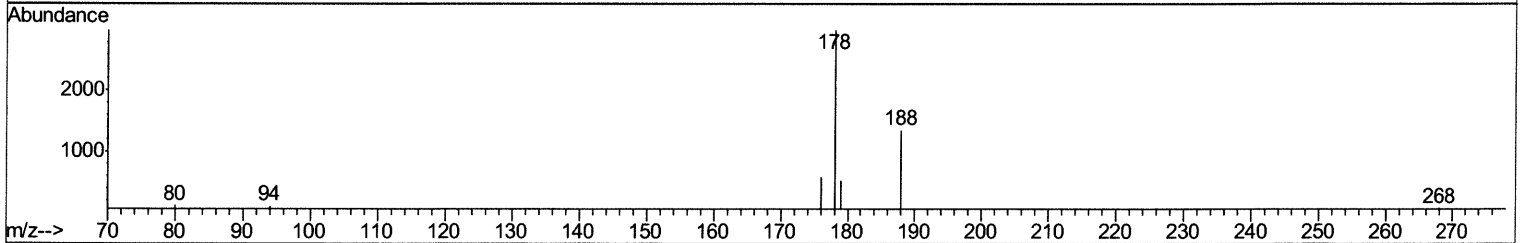
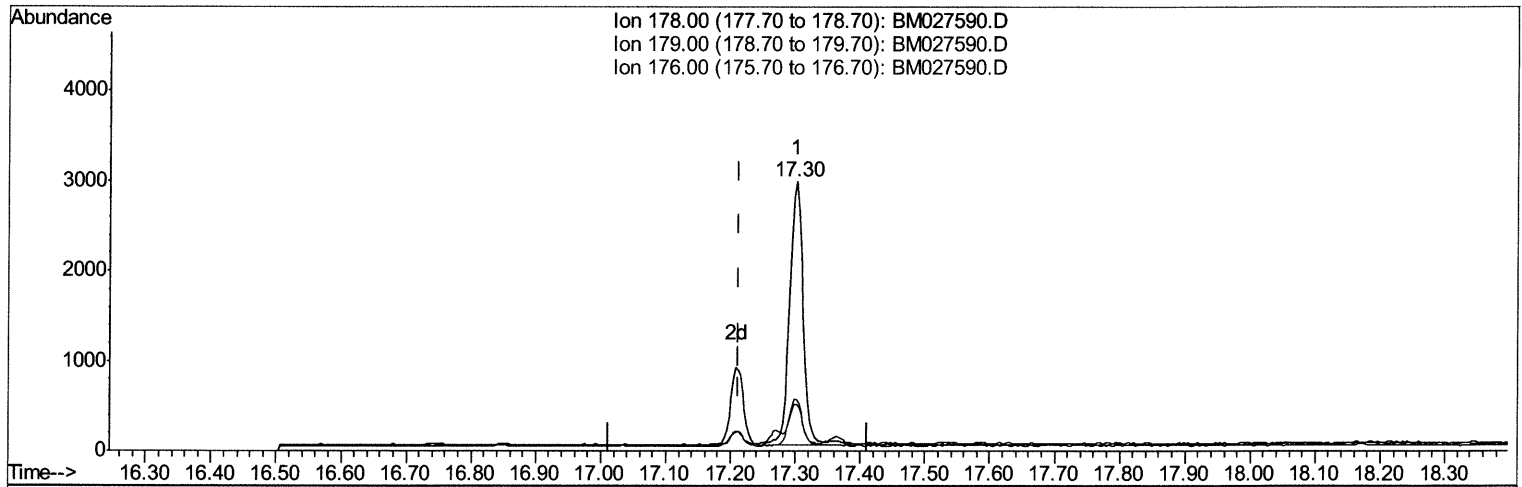
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Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
APPROVED

mohammad  
10/5/2020 10:29:09 AM

Quant Time: Oct 03 01:37:55 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration



TIC: BM027590.D

(12) Phenanthrene

17.301min (+0.089) 0.24ng/ul

response 4207

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.10 | 17.39 |
| 176.00 | 19.10 | 19.23 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (Qedit)

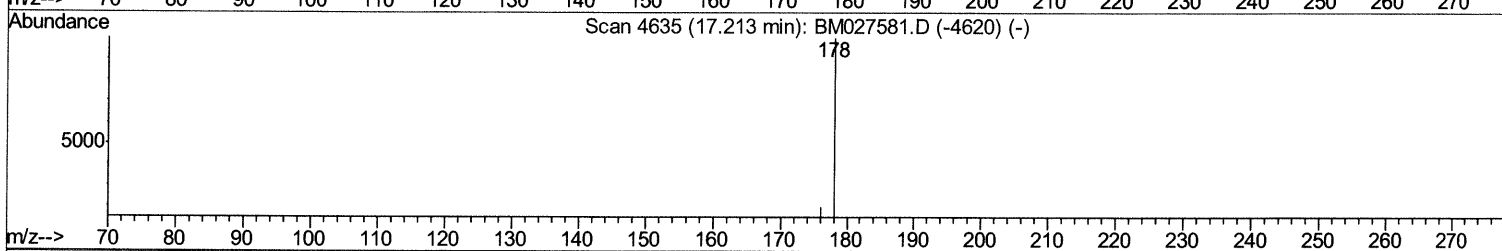
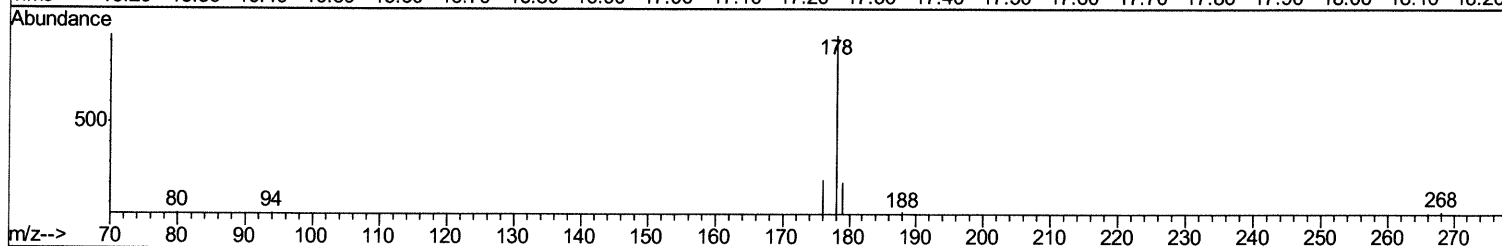
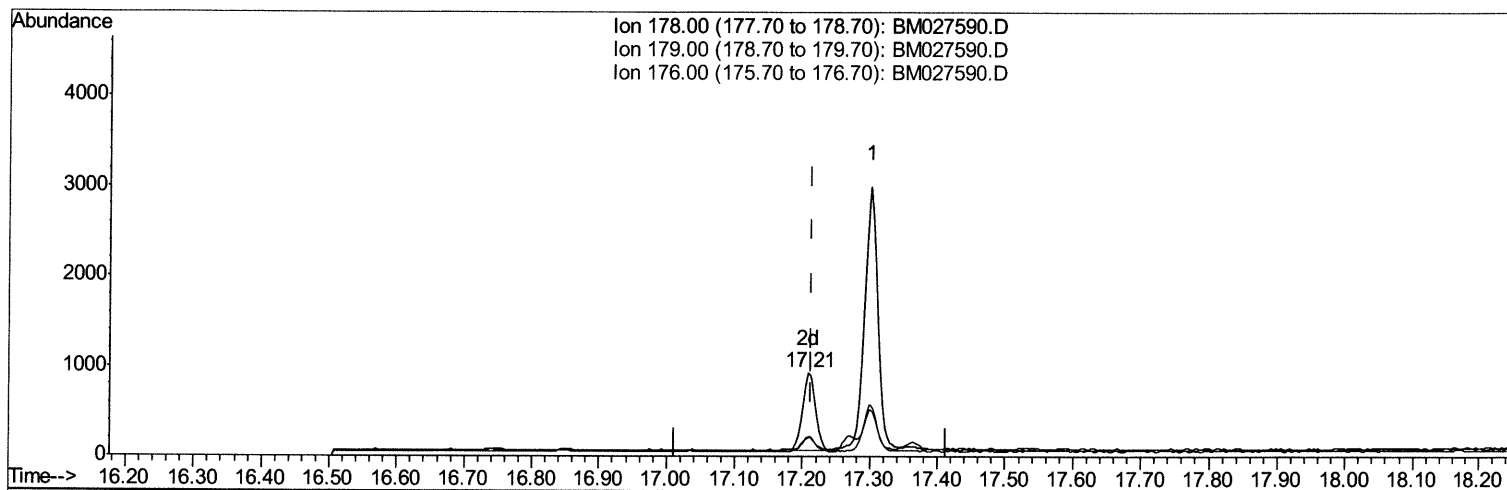
Data File : BM027590.D  
Acq On : 02 Oct 2020 20:35  
Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
APPROVED

mohammad  
10/5/2020 10:29:09 AM

Quant Time: Oct 03 01:37:55 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration



TIC: BM027590.D

(12) Phenanthrene

17.208min (-0.005) 0.07ng/ul m 10/06/20 JU

response 1204

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 16.10 | 22.21# |
| 176.00 | 19.10 | 23.28# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (Qedit)

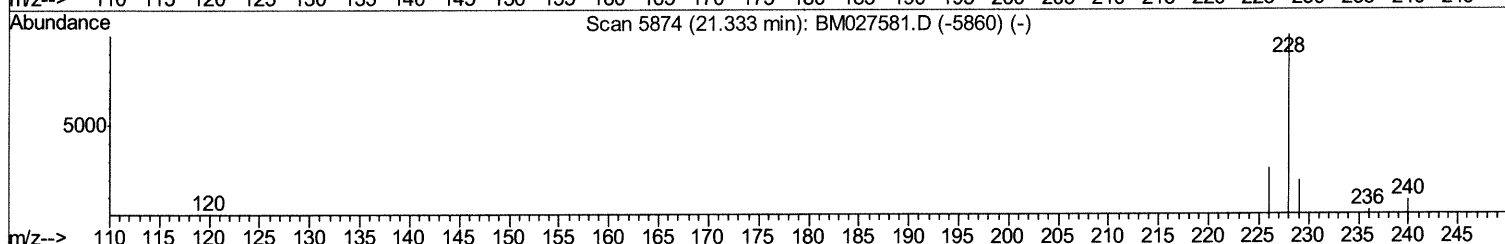
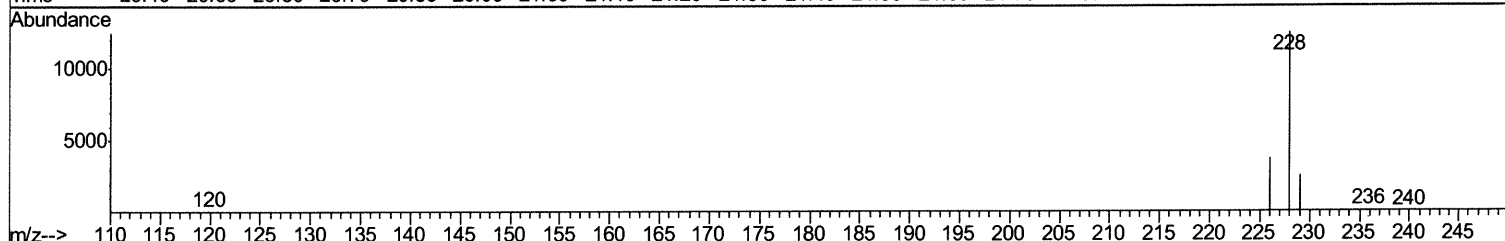
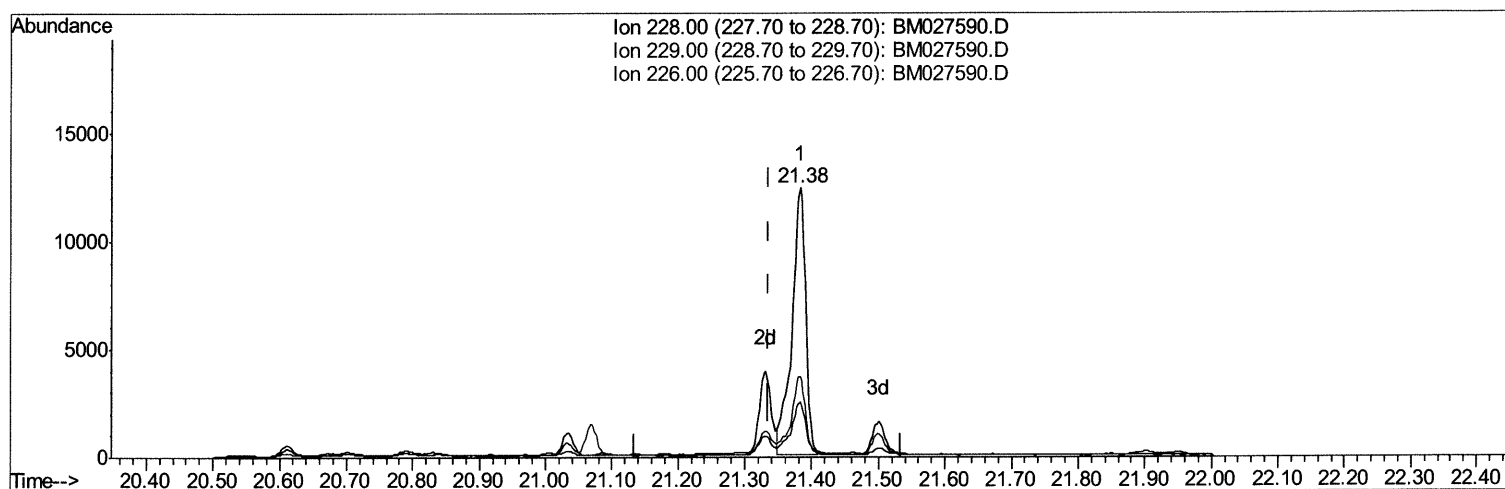
Data File : BM027590.D  
Acq On : 02 Oct 2020 20:35  
Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
APPROVED

mohammad  
10/5/2020 10:29:09 AM

Quant Time: Oct 03 02:02:27 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
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Response via : Initial Calibration



TIC: BM027590.D

(18) Benzo(a)anthracene

21.382min (+0.046) 0.73ng/ul

response 17777

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.50 | 20.52 |
| 226.00 | 27.30 | 30.06 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (Qedit)

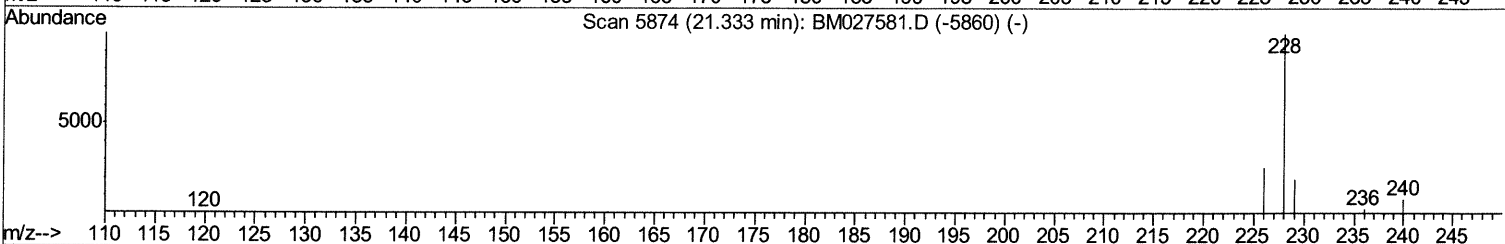
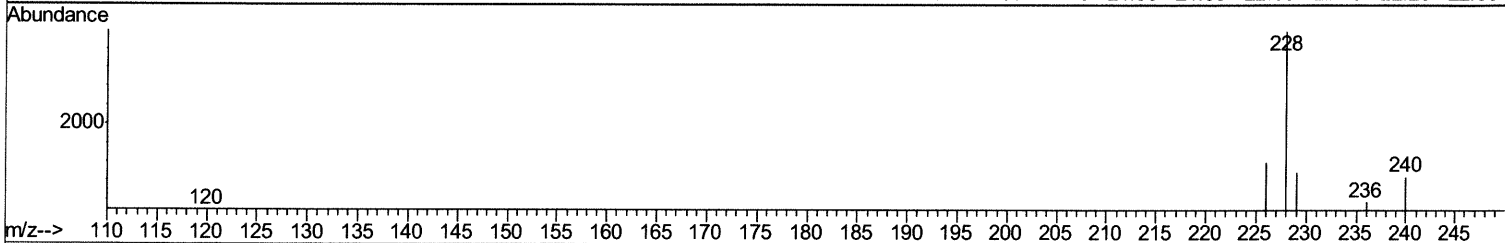
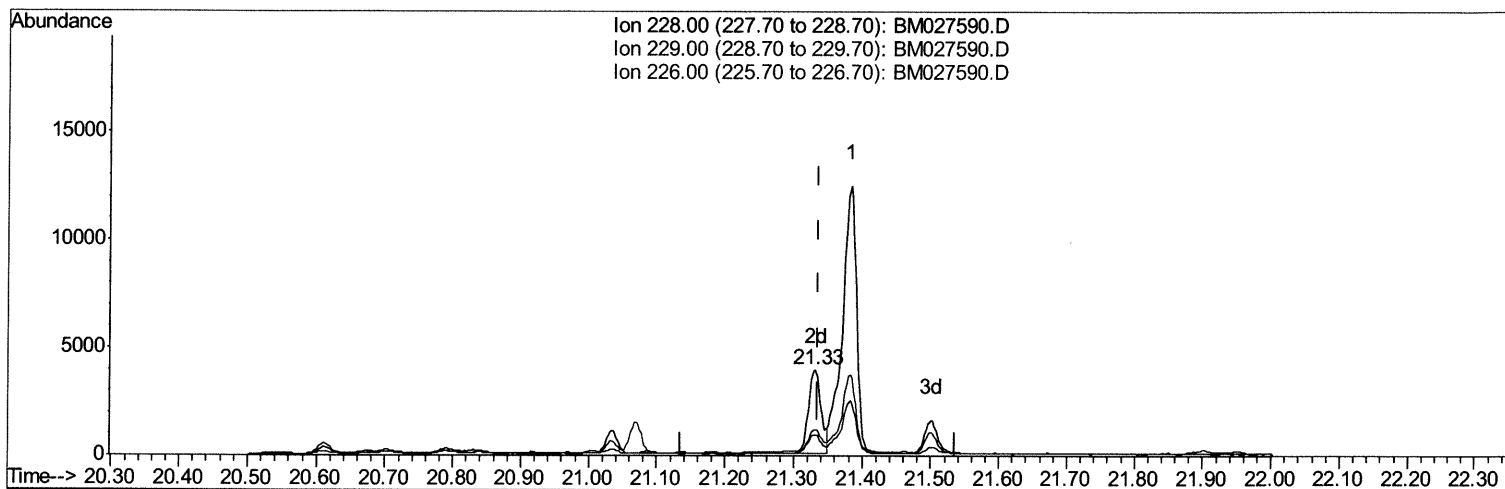
Data File : BM027590.D  
Acq On : 02 Oct 2020 20:35  
Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
APPROVED

mohammad  
10/5/2020 10:29:09 AM

Quant Time: Oct 03 02:02:27 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration



TIC: BM027590.D

(18) Benzo(a)anthracene

21.331min (-0.004) 0.20ng/ul m 10/06/20 JU

response 4882

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.50 | 24.59# |
| 226.00 | 27.30 | 30.09  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (Qedit)

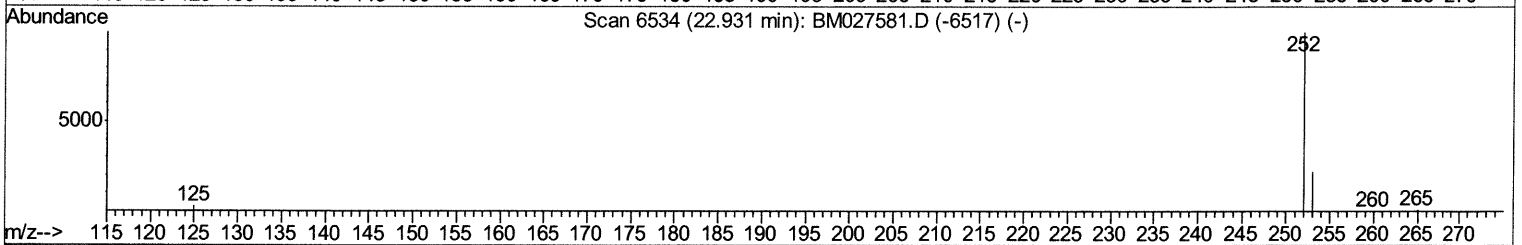
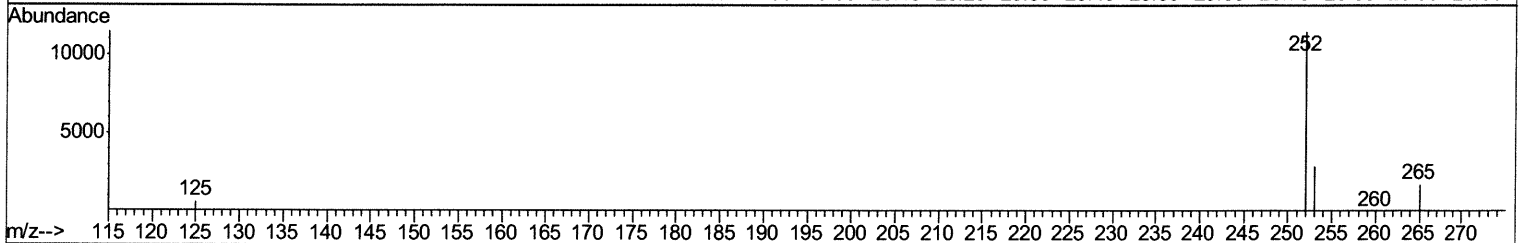
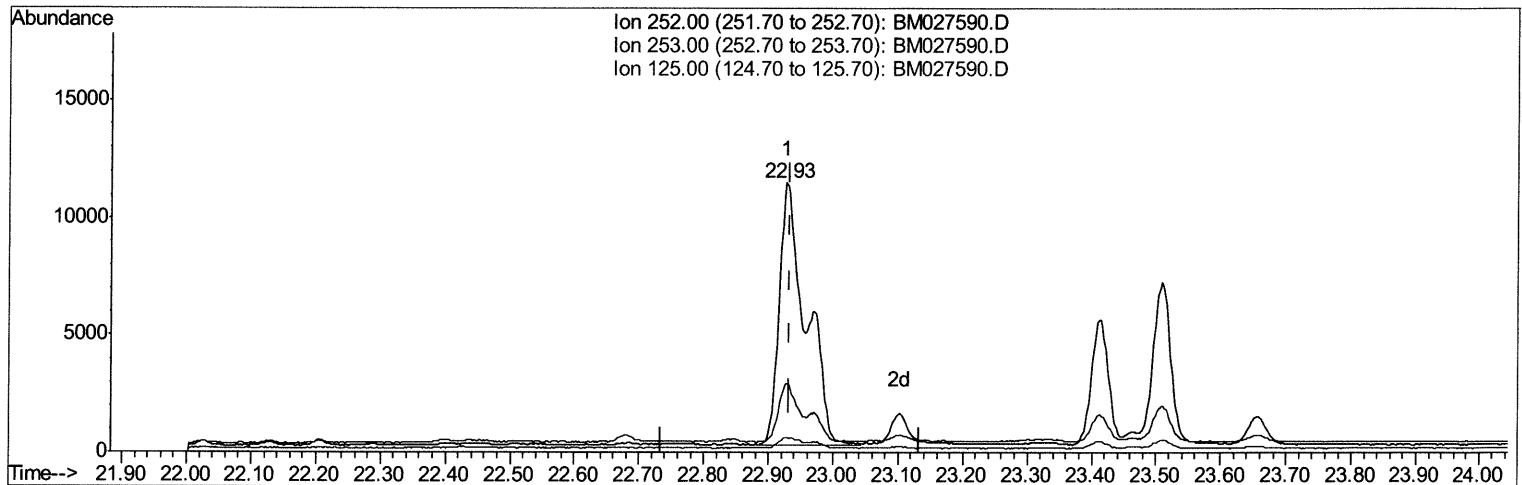
Data File : BM027590.D  
Acq On : 02 Oct 2020 20:35  
Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
APPROVED

mohammad  
10/5/2020 10:29:09 AM

Quant Time: Oct 03 02:02:27 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration



TIC: BM027590.D

(21) Benzo(b)fluoranthene  
22.927min (-0.007) 1.22ng/ul  
response 31881

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.10 | 25.38 |
| 125.00 | 5.30  | 5.60  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (Qedit)

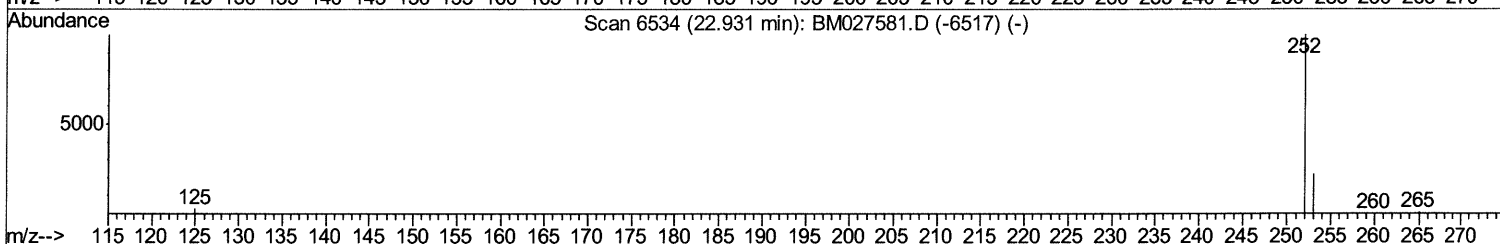
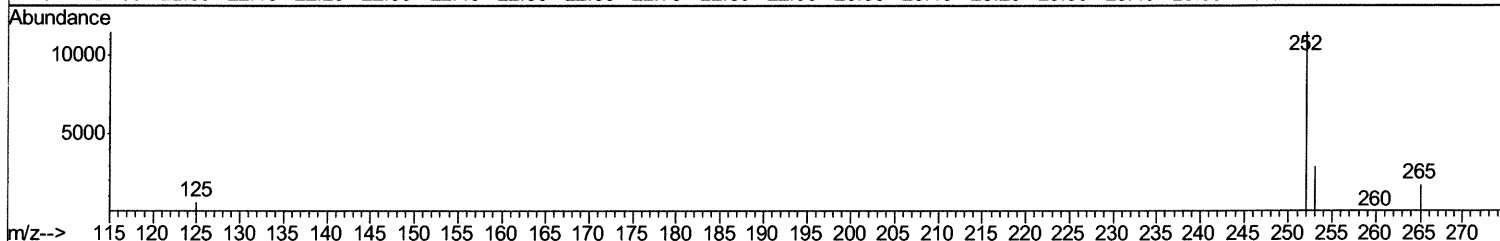
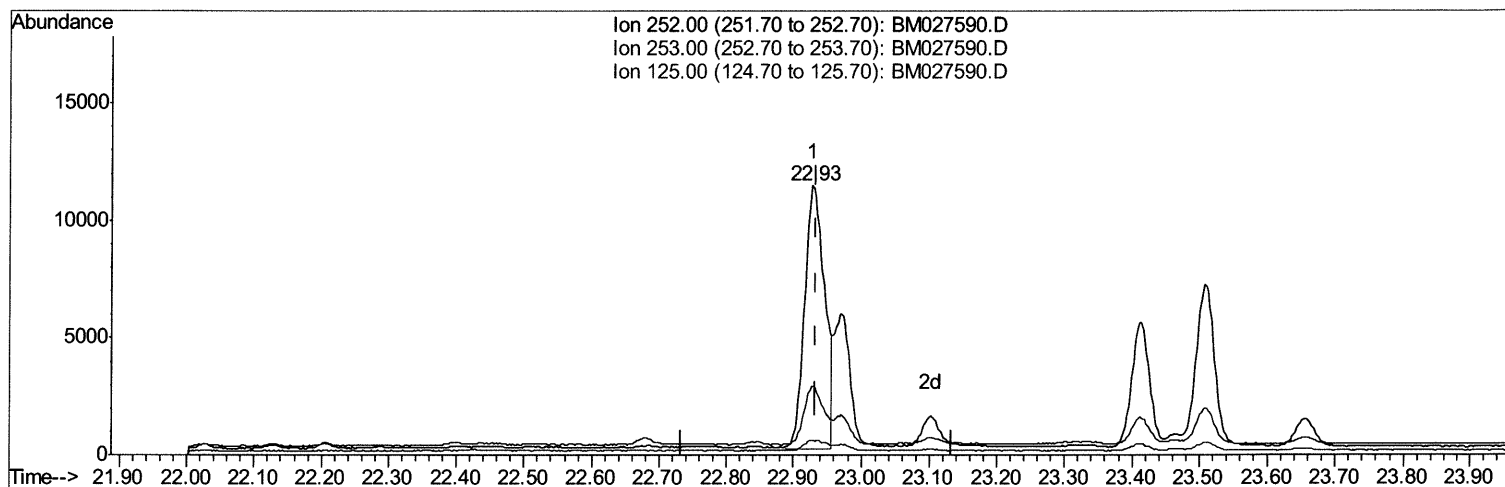
Data File : BM027590.D  
Acq On : 02 Oct 2020 20:35  
Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
APPROVED

mohammad  
10/5/2020 10:29:09 AM

Quant Time: Oct 03 02:02:27 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration



TIC: BM027590.D

(21) Benzo(b)fluoranthene

22.927min (-0.007) 0.87ng/ul m 10/06/20 JU

response 22689

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.10 | 25.38 |
| 125.00 | 5.30  | 5.60  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (Qedit)

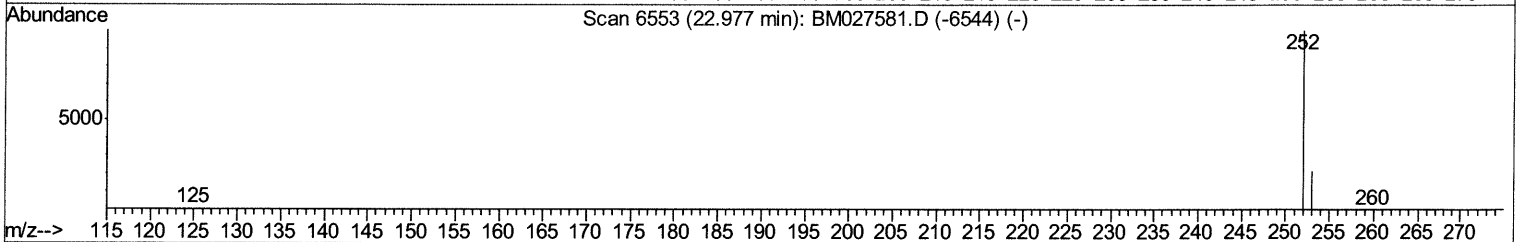
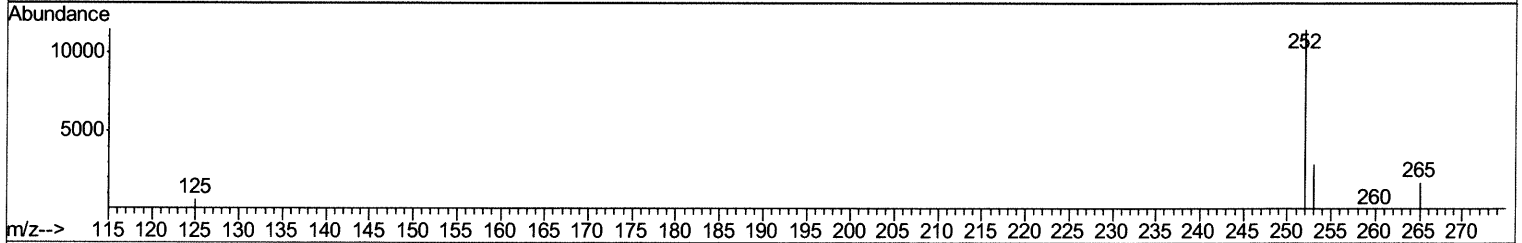
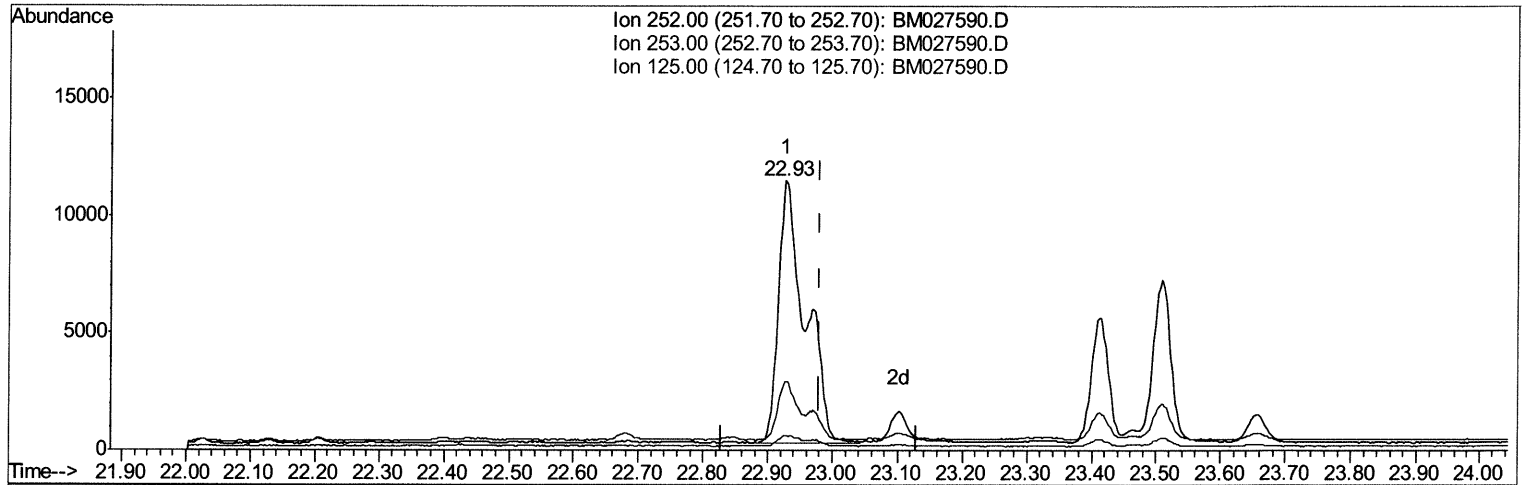
Data File : BM027590.D  
Acq On : 02 Oct 2020 20:35  
Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
APPROVED

mohammad  
10/5/2020 10:29:09 AM

Quant Time: Oct 03 02:02:27 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM092320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration



TIC: BM027590.D

(22) Benzo(k)fluoranthene  
22.927min (-0.053) 1.18ng/ul  
response 31881

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.90 | 25.38 |
| 125.00 | 6.20  | 5.60  |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (Qedit)

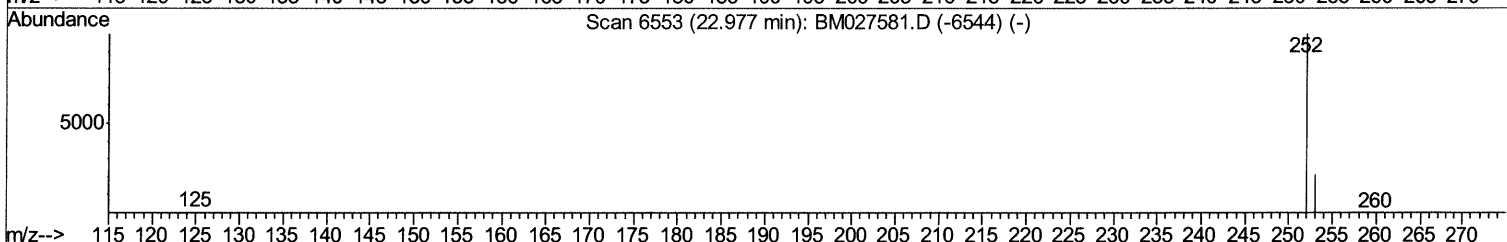
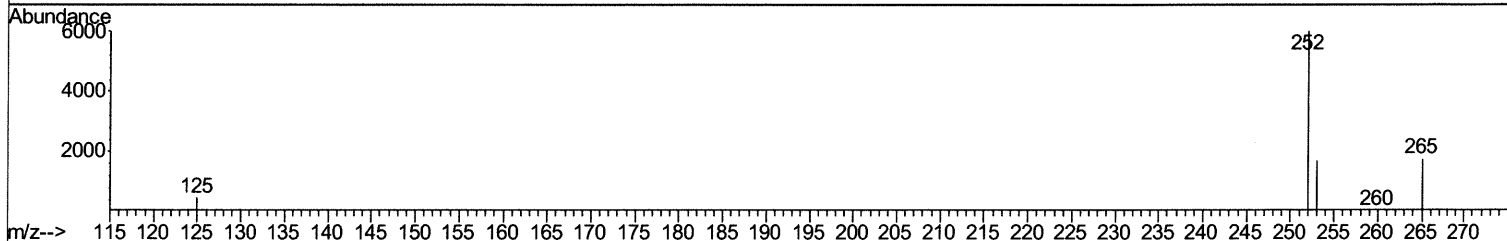
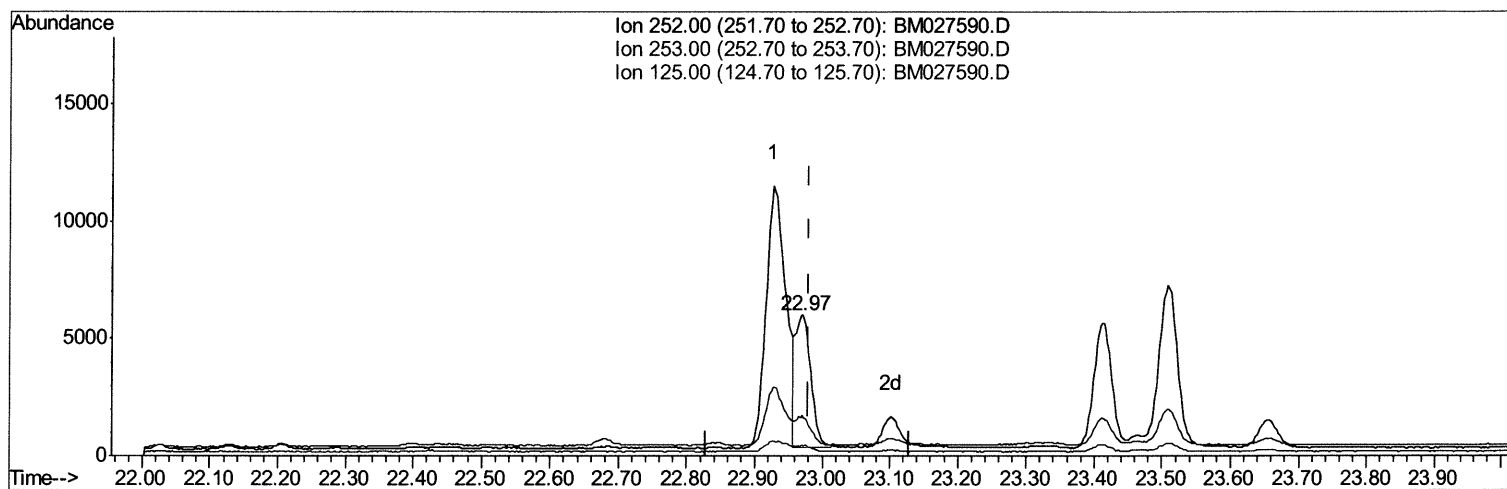
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Acq On : 02 Oct 2020 20:35  
Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
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Quant Time: Oct 03 02:02:27 2020  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration



TIC: BM027590.D

(22) Benzo(k)fluoranthene

22.970min (-0.009) 0.34ng/ul m 10/06/2020 JU

response 9085

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.90 | 28.38 |
| 125.00 | 6.20  | 7.56# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100220\  
Quantitation Report (QT Reviewed)

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Acq On : 02 Oct 2020 20:35  
Operator : JU/CG  
Sample : L4166-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC2

Manual Integrations  
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mohammad  
10/5/2020 10:29:09 AM

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QLast Update : Fri Oct 02 13:04:03 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 1128     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.58 | 136  | 3266     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.43 | 164  | 2353     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.17 | 188  | 5726     | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.35 | 240  | 6234     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.61 | 264  | 6470     | 0.40 | ng/ul | 0.00     |

System Monitoring Compounds

|                            |       |     |      |      |       |      |
|----------------------------|-------|-----|------|------|-------|------|
| 4) 2-Methylnaphthalene-d10 | 12.17 | 152 | 823  | 0.14 | ng/ul | 0.00 |
| 14) Fluoranthene-d10       | 19.20 | 212 | 2419 | 0.15 | ng/ul | 0.00 |

Target Compounds

|                            |       |     |        |       | Qvalue |             |
|----------------------------|-------|-----|--------|-------|--------|-------------|
| 3) Naphthalene             | 10.63 | 128 | 492    | 0.051 | ng/ul# | 74          |
| 7) Acenaphthylene          | 14.15 | 152 | 713    | 0.059 | ng/ul# | 83          |
| 9) Fluorene                | 15.48 | 166 | 215    | 0.020 | ng/ul# | 87          |
| 12) Phenanthrene           | 17.21 | 178 | 1204m  | 0.068 | ng/ul  | 10/06/20 JU |
| 13) Anthracene             | 17.30 | 178 | 4191   | 0.242 | ng/ul  | 98          |
| 15) Fluoranthene           | 19.22 | 202 | 5257   | 0.247 | ng/ul  | 99          |
| 17) Pyrene                 | 19.59 | 202 | 20501  | 0.721 | ng/ul# | 96          |
| 18) Benzo(a)anthracene     | 21.33 | 228 | 4882m  | 0.200 | ng/ul  | 10/06/20 JU |
| 19) Chrysene               | 21.38 | 228 | 17752  | 0.701 | ng/ul  | 99          |
| 21) Benzo(b)fluoranthene   | 22.93 | 252 | 22689m | 0.870 | ng/ul  | 10/06/20 JU |
| 22) Benzo(k)fluoranthene   | 22.97 | 252 | 9085m  | 0.335 | ng/ul  | 10/06/20 JU |
| 23) Benzo(a)pyrene         | 23.51 | 252 | 13249  | 0.568 | ng/ul  | 95          |
| 24) Indeno(1,2,3-cd)pyrene | 25.89 | 276 | 7395   | 0.246 | ng/ul# | 93          |
| 25) Dibenzo(a,h)anthracene | 25.89 | 278 | 2298   | 0.093 | ng/ul# | 66          |
| 26) Benzo(g,h,i)perylene   | 26.58 | 276 | 5721   | 0.226 | ng/ul  | 95          |

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