

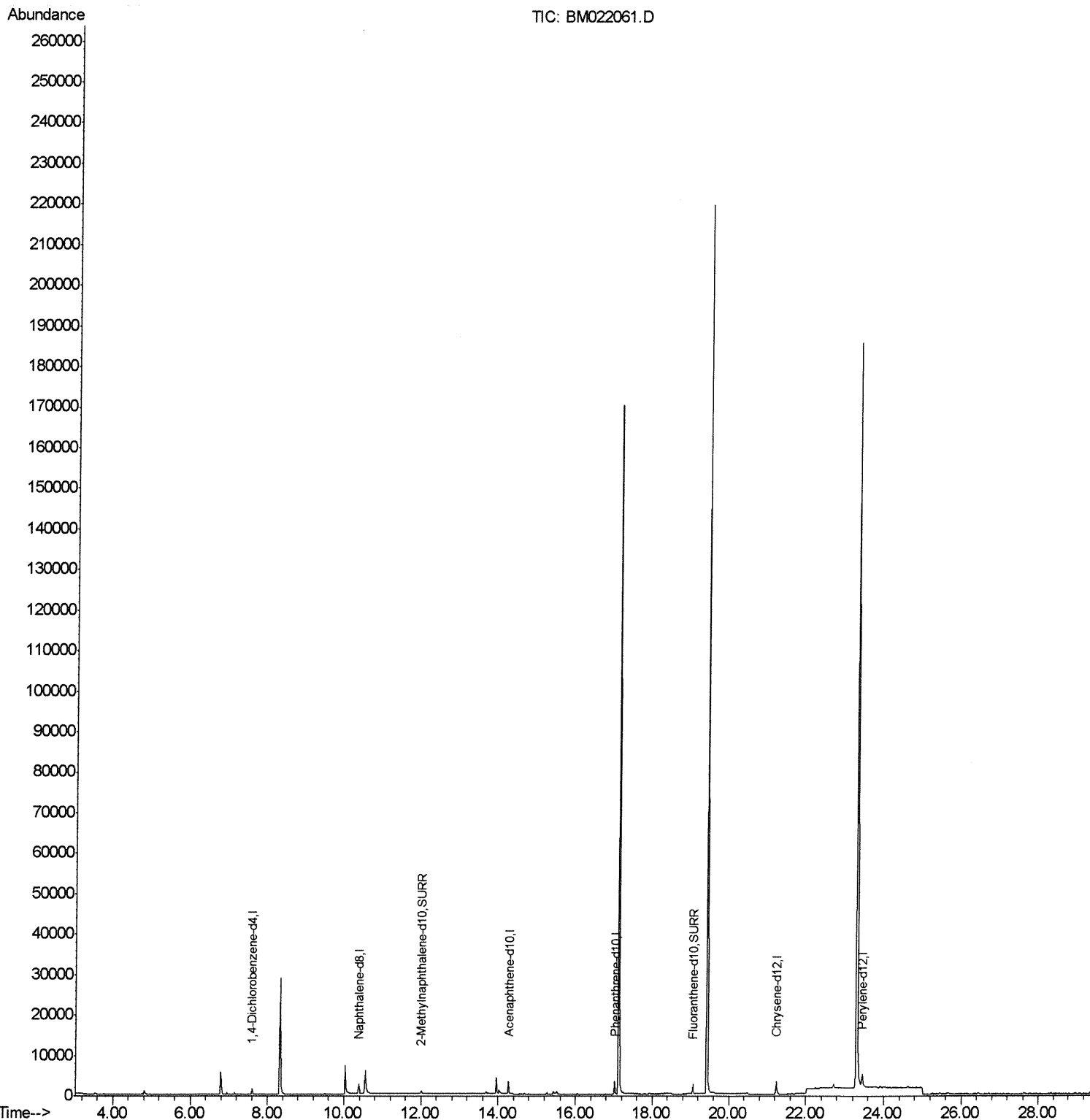
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
Data File : BM022061.D  
Acq On : 13 Aug 2019 09:38  
Operator : HP/JU  
Sample : K4117-08  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLF6

Manual Integrations  
APPROVED

mohammad  
8/14/2019 2:48:52 AM

Quant Time: Aug 13 15:34:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 08:25:01 2019  
Response via : Initial Calibration



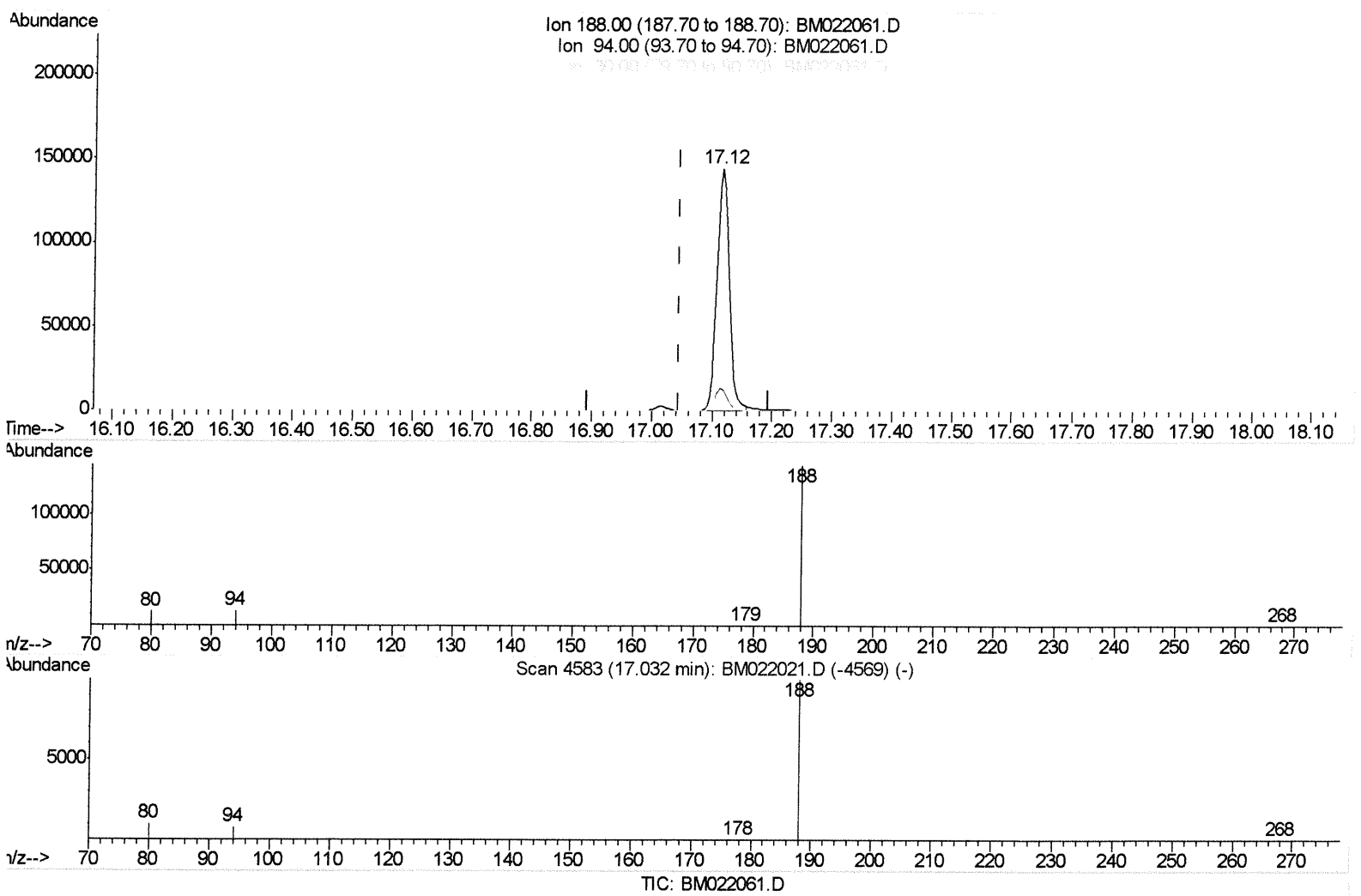
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Manual Integrations  
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 8/14/2019 2:48:52 AM

Quant Time: Aug 13 15:30:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
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(10) Phenanthrene-d10 (I)  
 17.115min (+0.071) 0.40ng/ul  
 response 204200

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.40 | 9.11  |
| 80.00  | 11.40 | 8.72# |
| 0.00   | 0.00  | 0.00  |

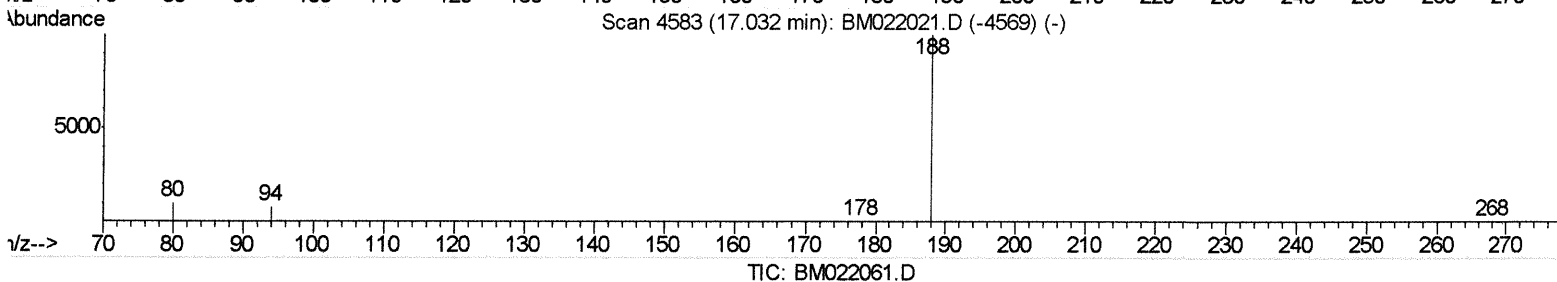
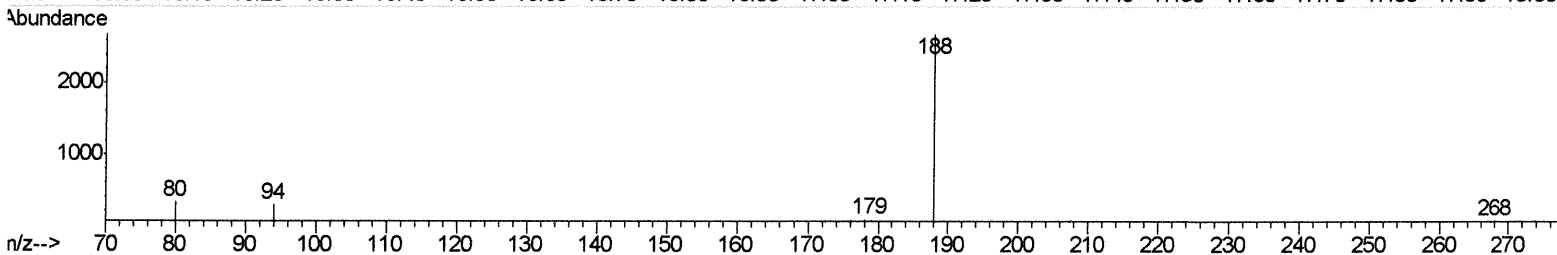
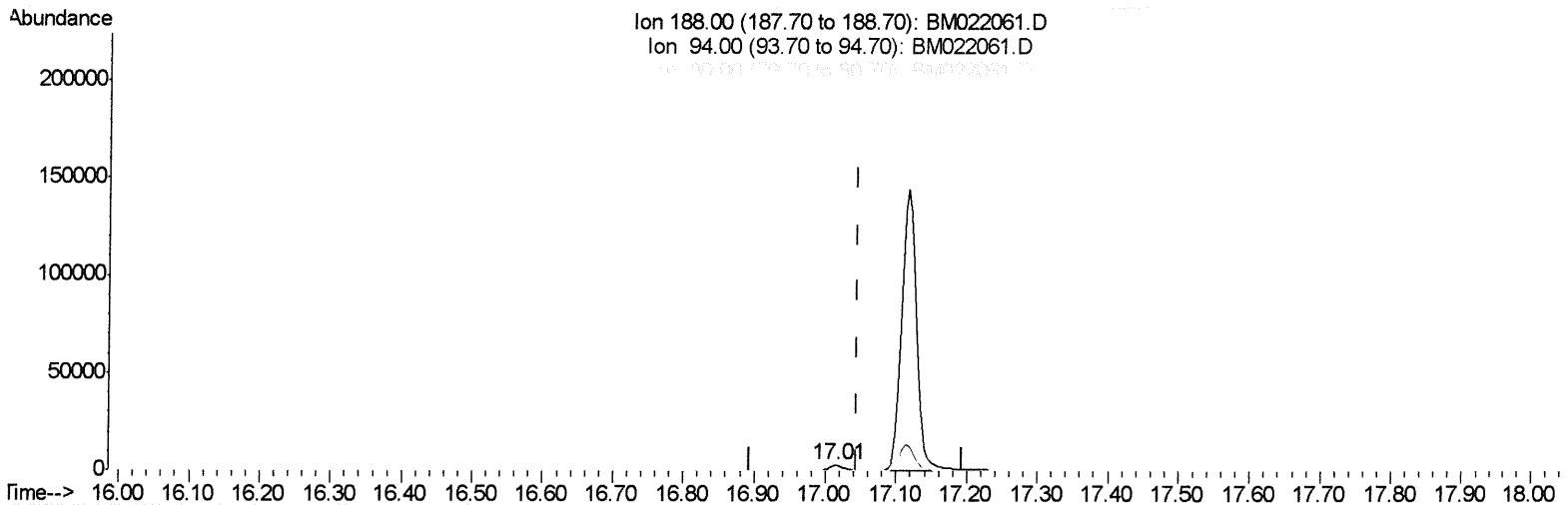
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022061.D  
 Acq On : 13 Aug 2019 09:38  
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 Sample : K4117-08  
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Instrument :  
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Manual Integrations  
 APPROVED

mohammad  
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 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.015min (-0.029) 0.40ng/ul m

JU  
 08/14/19

response 3951

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.40 | 10.46 |
| 80.00  | 11.40 | 11.76 |
| 0.00   | 0.00  | 0.00  |

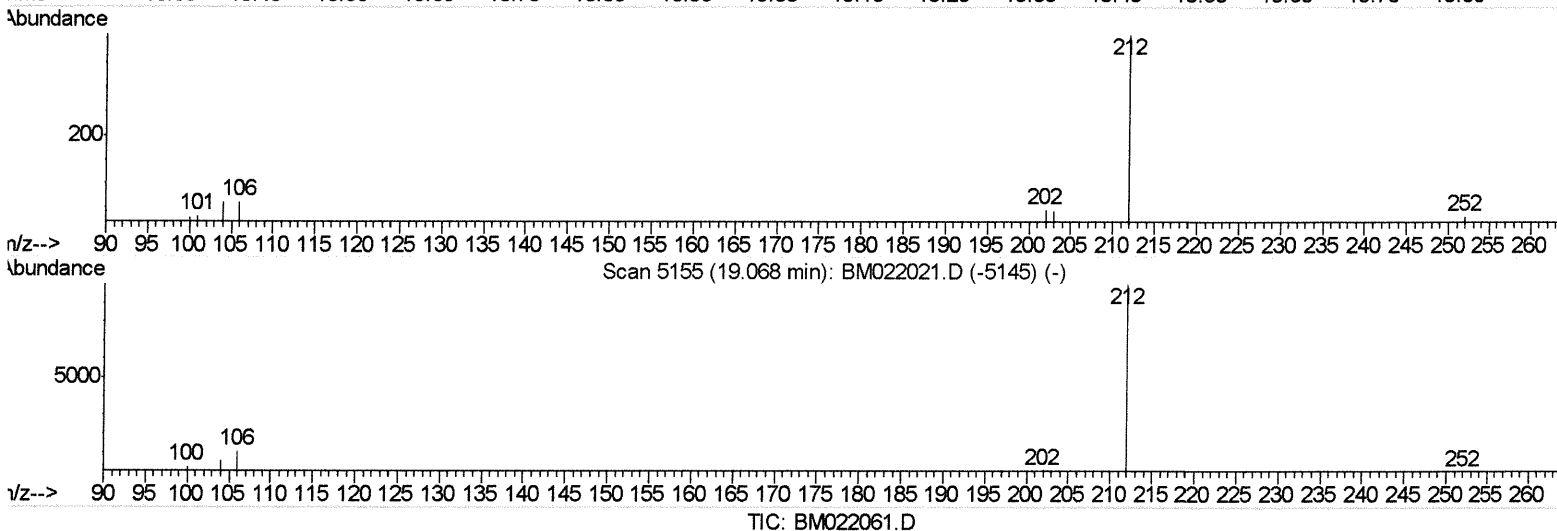
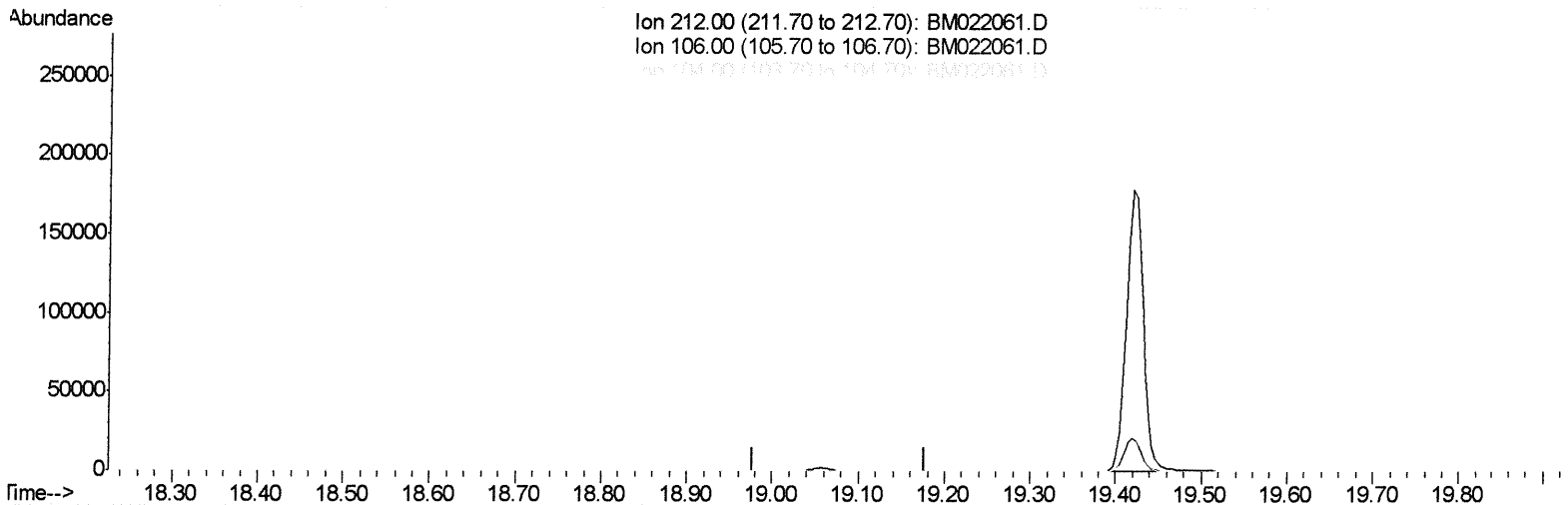
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022061.D  
 Acq On : 13 Aug 2019 09:38  
 Operator : HP/JU  
 Sample : K4117-08  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLF6

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 2:48:52 AM

Quant Time: Aug 13 15:32:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.077min (-19.077) 0.00ng/ul

response 0

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 212.00 | 100  | 0.00  |
| 106.00 | 9.90 | 0.00# |
| 104.00 | 6.00 | 0.00# |
| 0.00   | 0.00 | 0.00  |

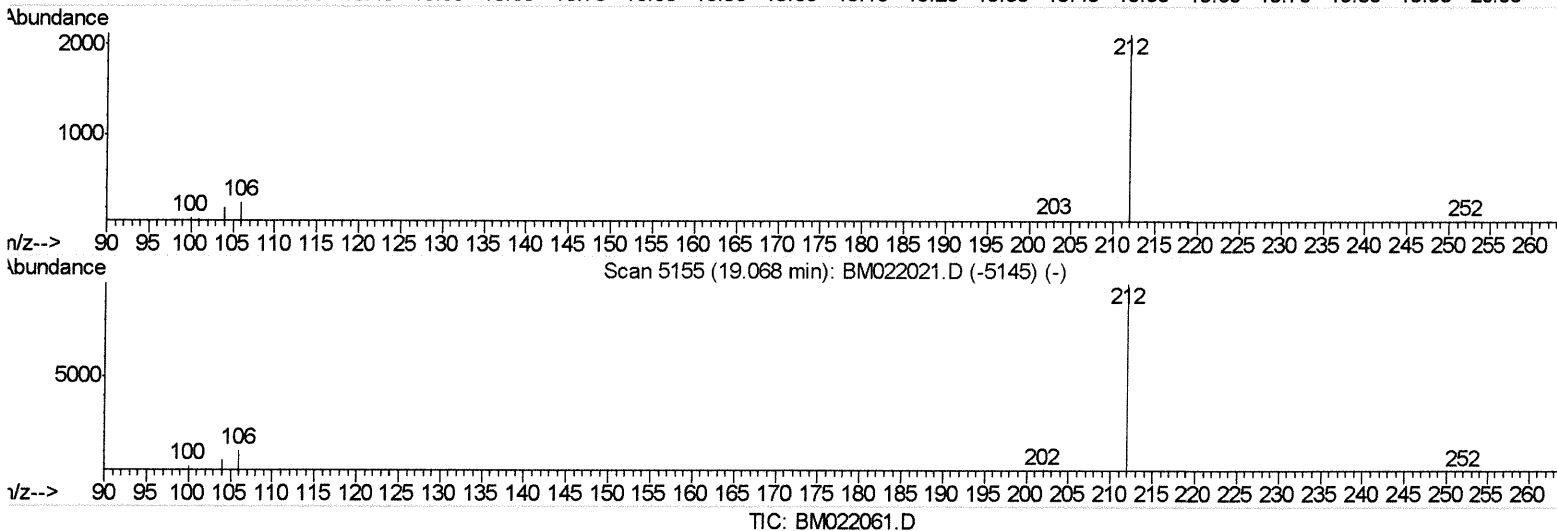
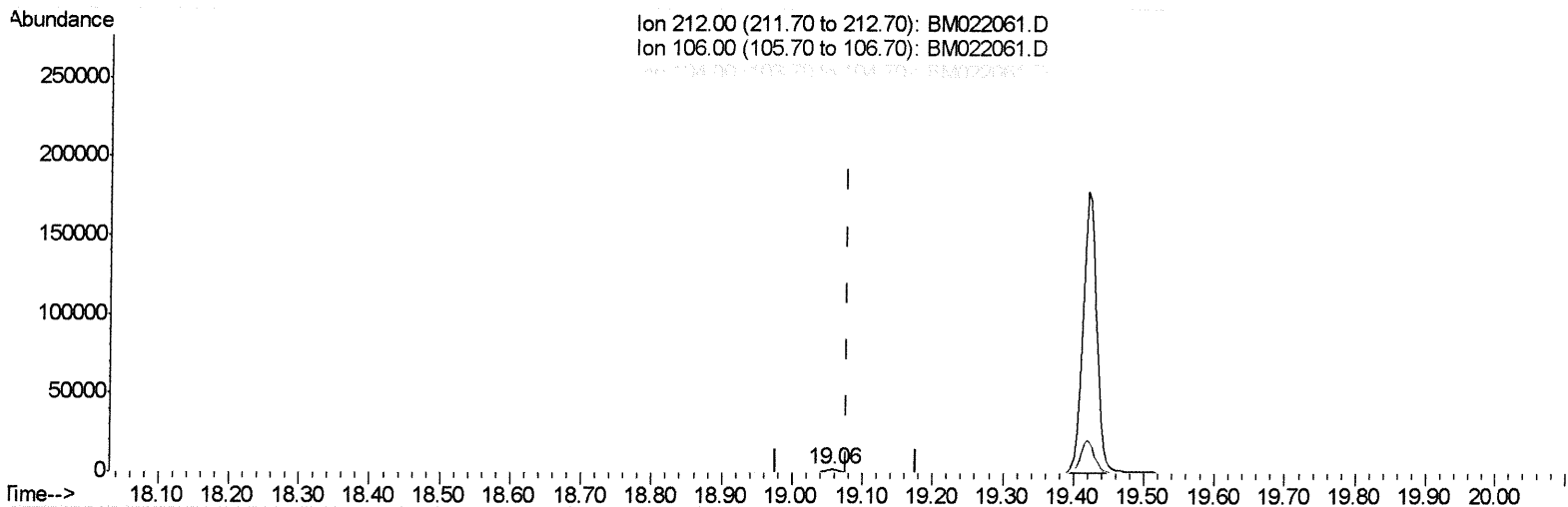
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022061.D  
 Acq On : 13 Aug 2019 09:38  
 Operator : HP/JU  
 Sample : K4117-08  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLF6

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 2:48:52 AM

Quant Time: Aug 13 15:32:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.057min (-0.021) 0.24ng/ul m *JU 08/14/19*

response 3204

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 212.00 | 100  | 100   |
| 106.00 | 9.90 | 0.00# |
| 104.00 | 6.00 | 0.00# |
| 0.00   | 0.00 | 0.00  |

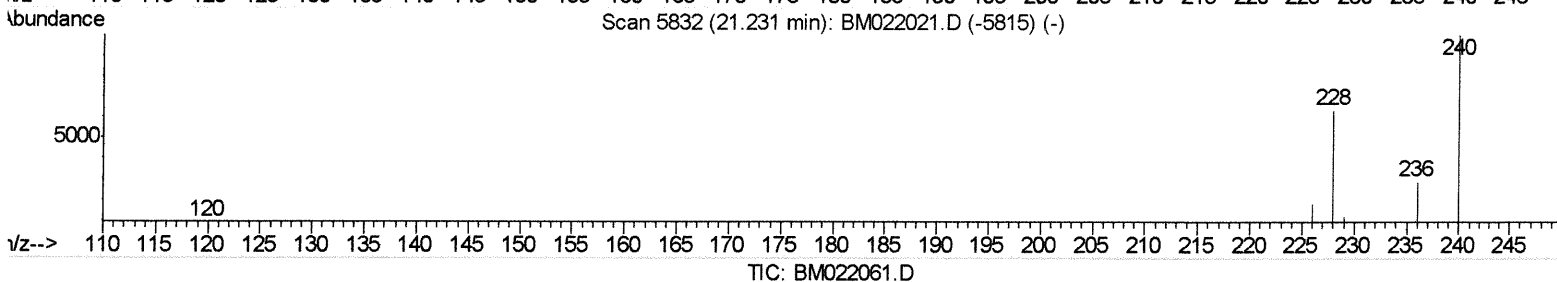
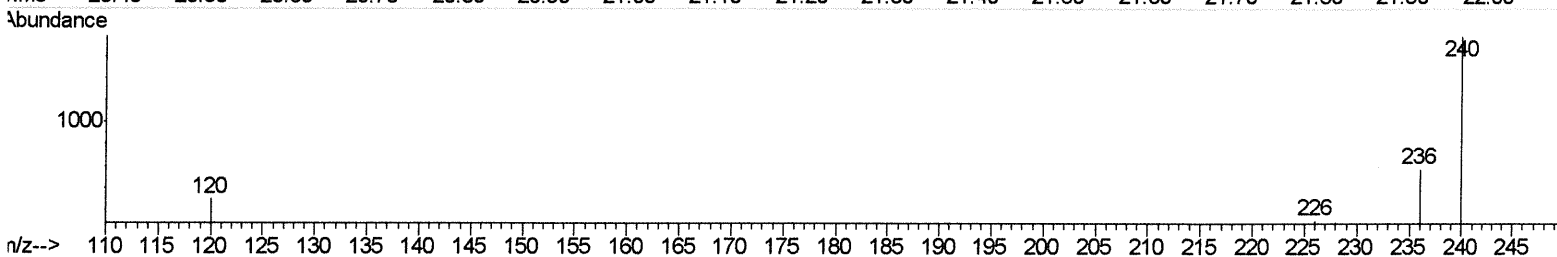
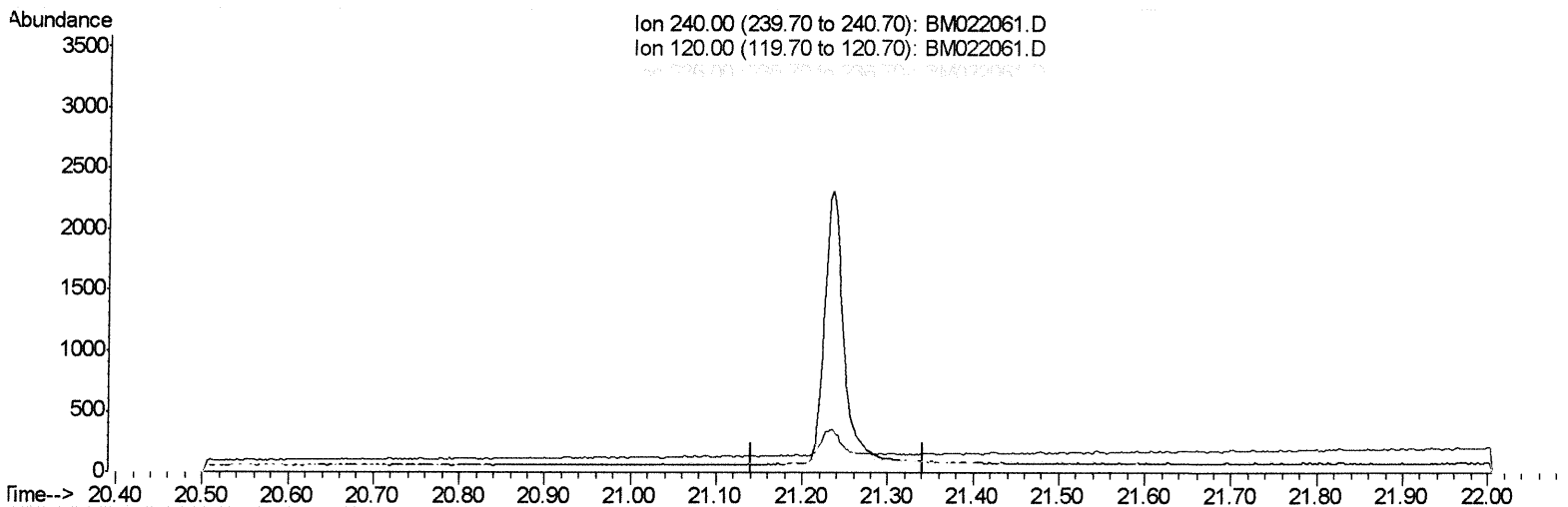
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022061.D  
 Acq On : 13 Aug 2019 09:38  
 Operator : HP/JU  
 Sample : K4117-08  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLF6

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 2:48:52 AM

Quant Time: Aug 13 15:32:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.241min (-21.241) 0.00ng/ui

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 0.00  |
| 120.00 | 16.20 | 0.00# |
| 236.00 | 32.30 | 0.00# |
| 0.00   | 0.00  | 0.00  |

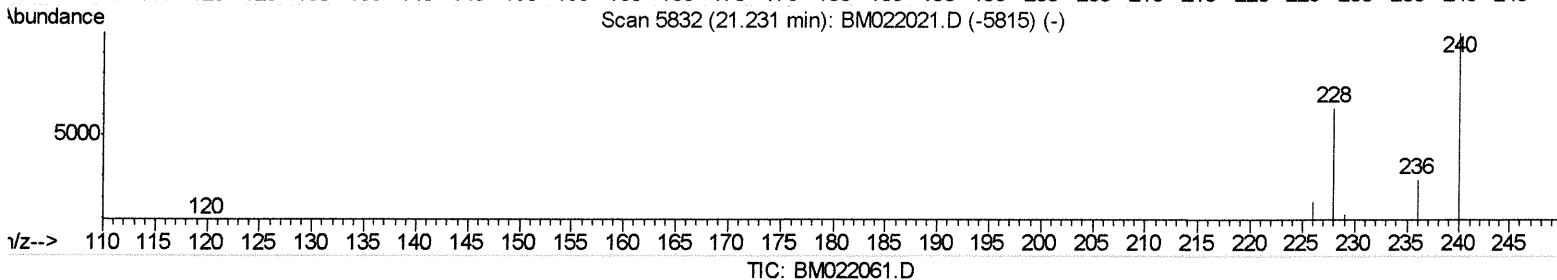
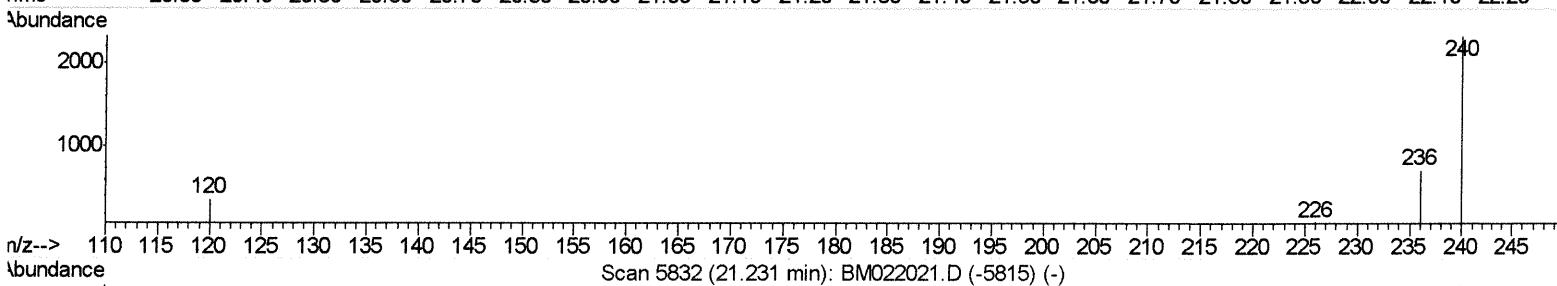
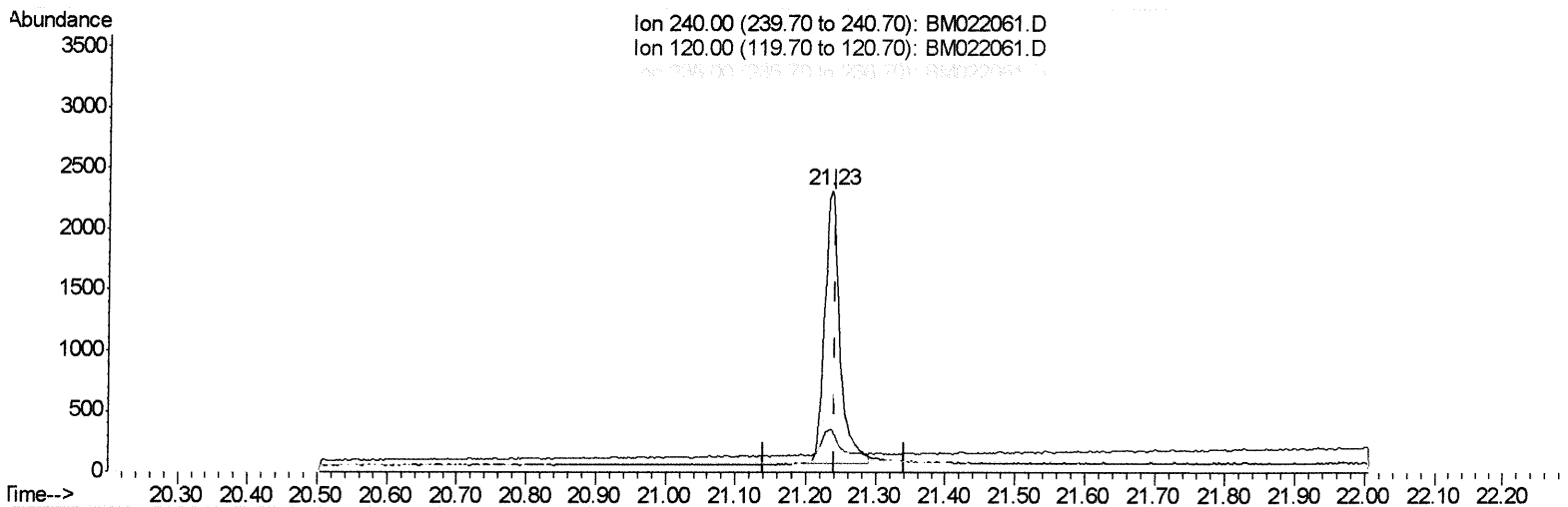
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022061.D  
 Acq On : 13 Aug 2019 09:38  
 Operator : HP/JU  
 Sample : K4117-08  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLF6

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 2:48:52 AM

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 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.234min (-0.008) 0.40ng/ul m

JU  
 08/14/19

response 3516

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 16.20 | 15.55 |
| 236.00 | 32.30 | 31.06 |
| 0.00   | 0.00  | 0.00  |

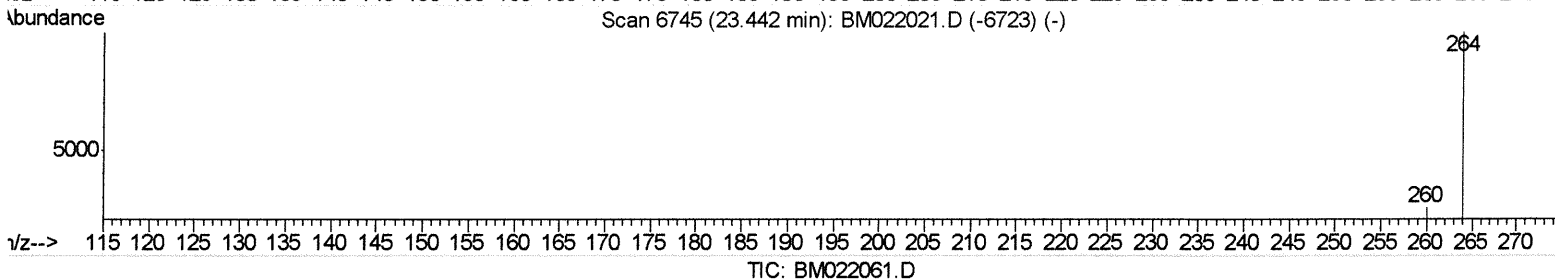
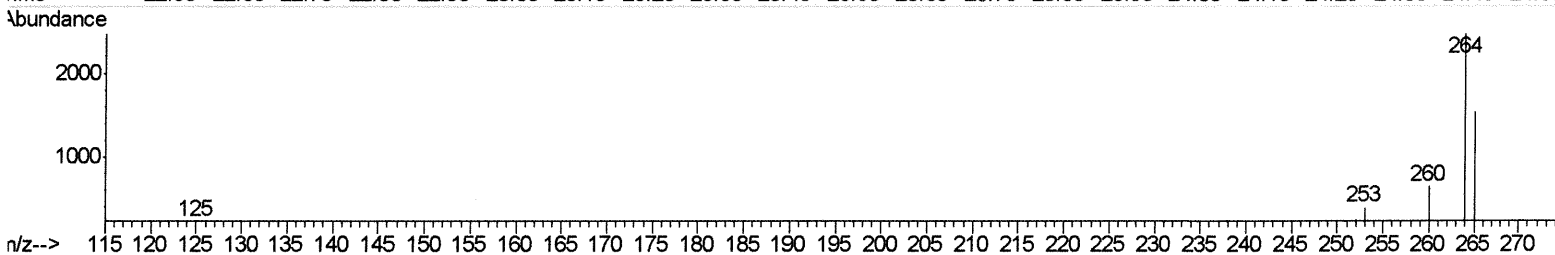
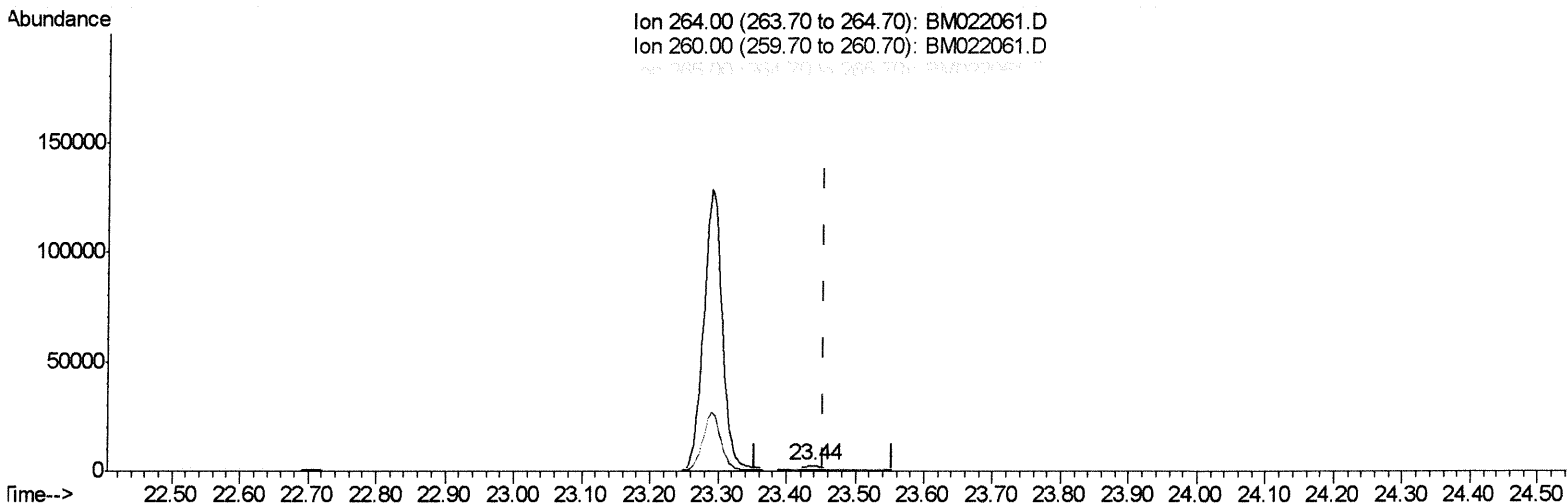
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022061.D  
 Acq On : 13 Aug 2019 09:38  
 Operator : HP/JU  
 Sample : K4117-08  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLF6

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 2:48:52 AM

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 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.438min (-0.016) 0.40ng/ul

response 5102

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 26.07  |
| 265.00 | 117.00 | 62.45# |
| 0.00   | 0.00   | 0.00   |

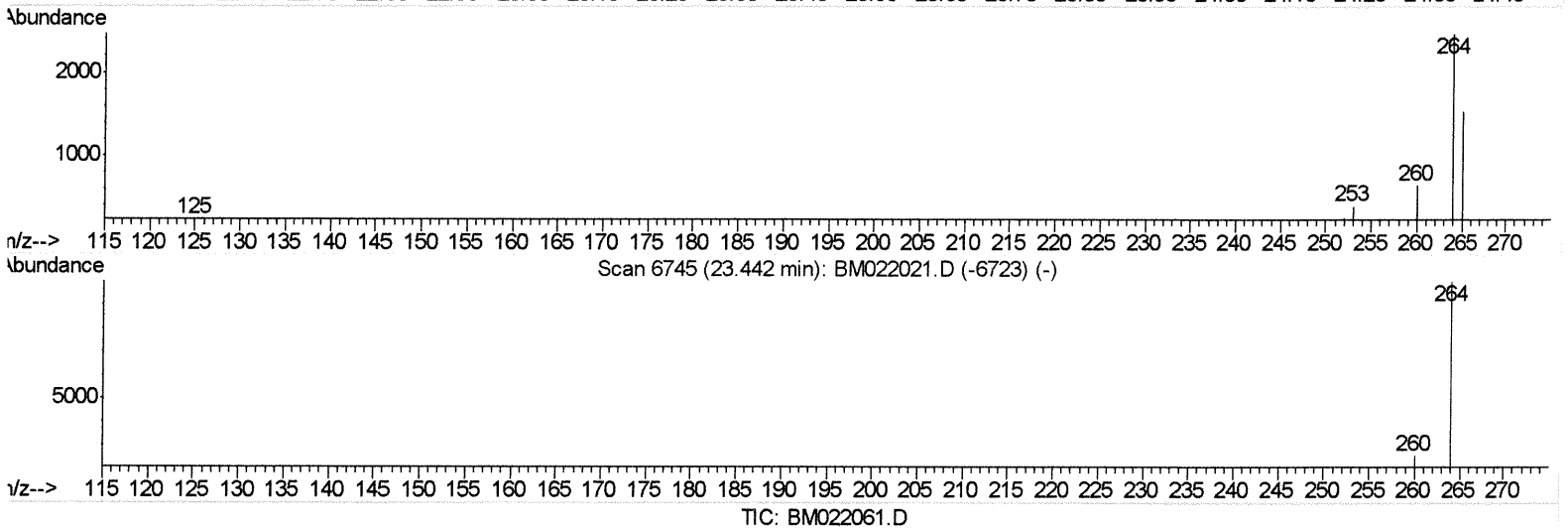
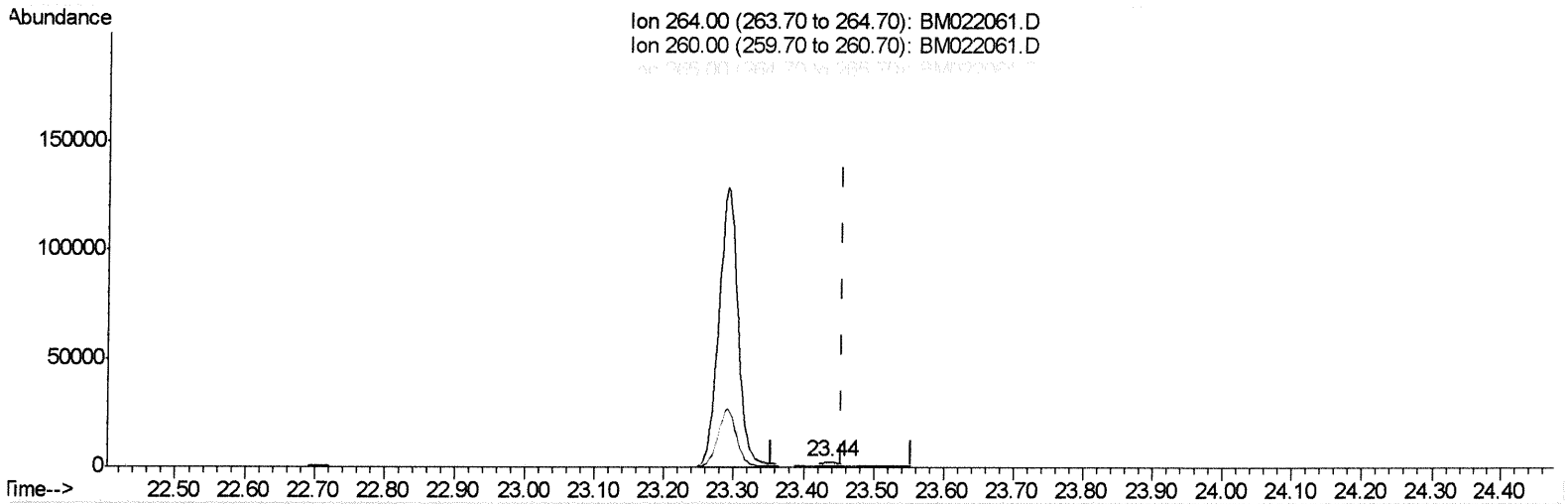
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022061.D  
 Acq On : 13 Aug 2019 09:38  
 Operator : HP/JU  
 Sample : K4117-08  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLF6

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 2:48:52 AM

Quant Time: Aug 13 15:33:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 13 08:25:01 2019  
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.438min (-0.016) 0.40ng/ul m *JU 08/14/19*

response 3471

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 26.07  |
| 265.00 | 117.00 | 62.45# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
 Data File : BM022061.D  
 Acq On : 13 Aug 2019 09:38  
 Operator : HP/JU  
 Sample : K4117-08  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLF6

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 2:48:52 AM

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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 792      | 0.40 | ng/ul | -0.02    |
| 2) Naphthalene-d8         | 10.38 | 136  | 3270     | 0.40 | ng/ul | -0.03    |
| 6) Acenaphthene-d10       | 14.26 | 164  | 1714     | 0.40 | ng/ul | -0.02    |
| 10) Phenanthrene-d10      | 17.01 | 188  | 3951m →  | 0.40 | ng/ul | -0.03    |
| 16) Chrysene-d12          | 21.23 | 240  | 3516m →  | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.44 | 264  | 3471m →  | 0.40 | ng/ul | -0.02    |

JU  
 08/14/19

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.00 | 152  | 1362     | 0.25 | ng/ul | -0.02    |
| 14) Fluoranthene-d10        | 19.06 | 212  | 3204m →  | 0.24 | ng/ul | -0.02    |

JU 08/14/19

| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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