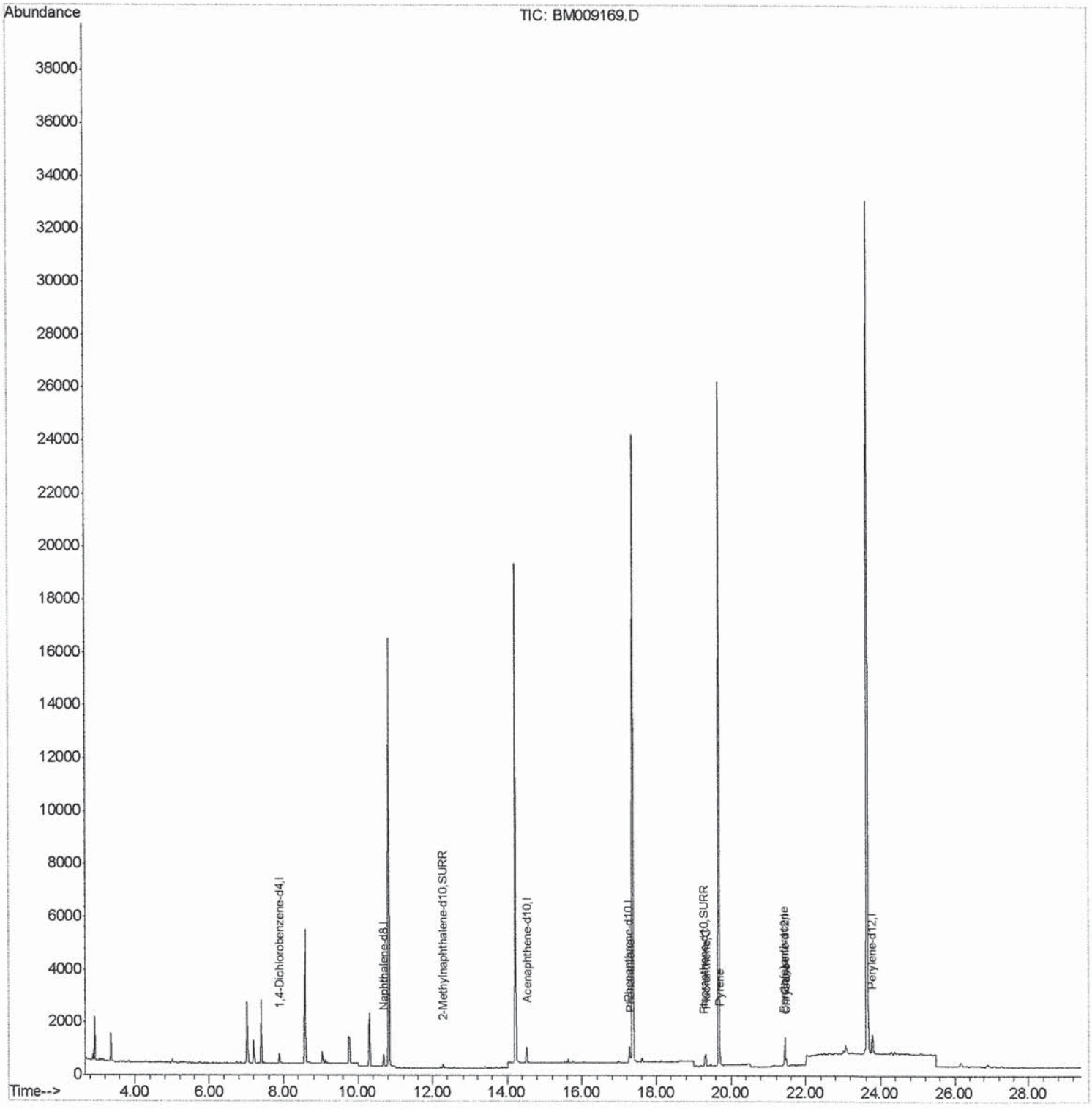
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009169.D
Acq On : 10 Mar 2017 11:00
Operator : SJ/MA
Sample : I2107-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 10 15:29:20 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0AK2

**Manual Integrations APPROVED**
mohammad
3/13/2017 12:49:00 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009169.D
Acq On : 10 Mar 2017 11:00
Operator : SJ/MA
Sample : I2107-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 10 15:26:37 2017
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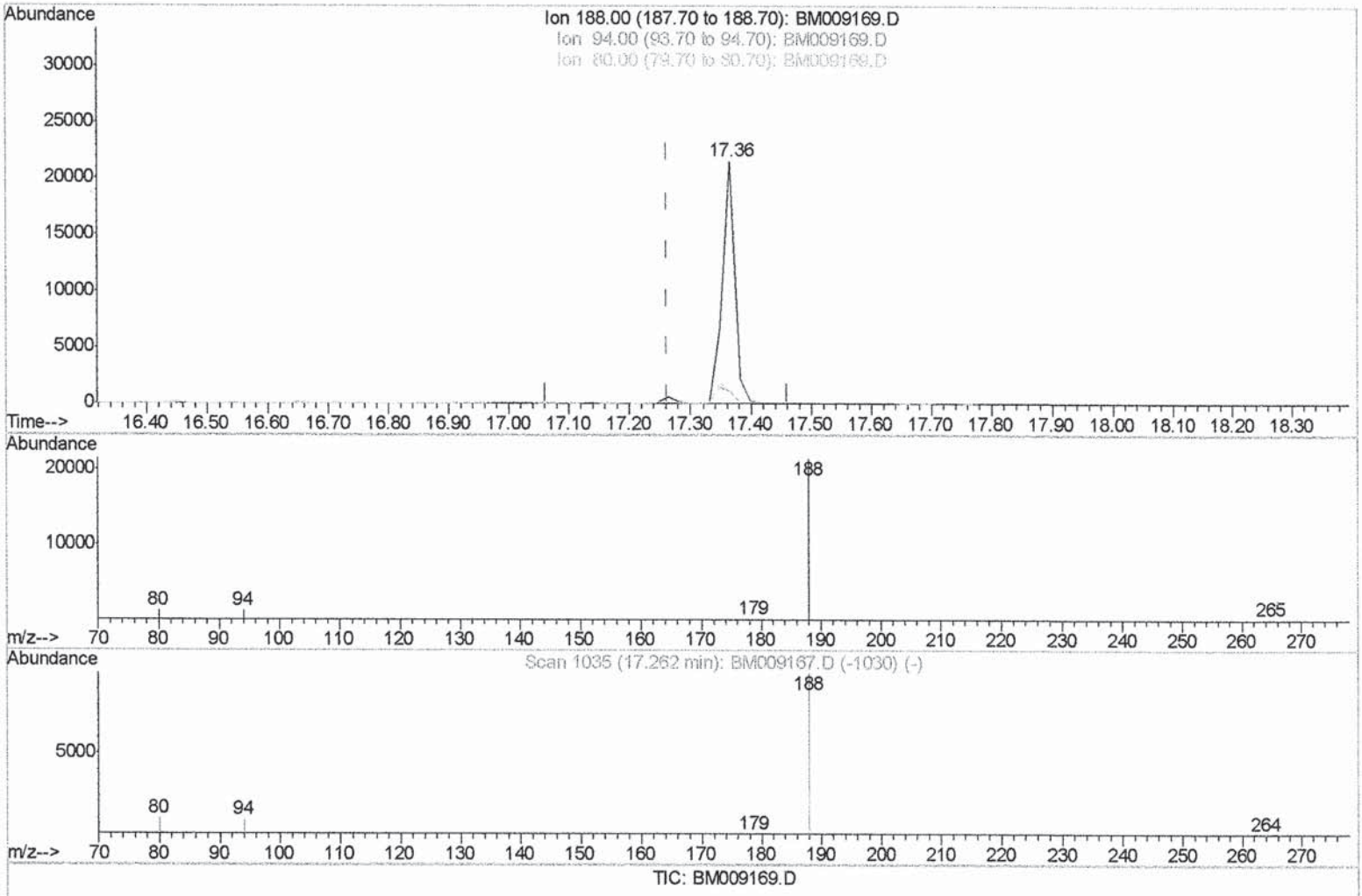
**Instrument :**
BNA_M
**ClientSampleId :**
C0AK2

**Manual Integrations APPROVED**
mohammad
3/13/2017 12:49:00 PM




TIC: BM009169.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 31270

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 11.00 | 5.62# |
| 80.00 | 11.80 | 5.39# |
| 0.00 | 0.00 | 0.00 |

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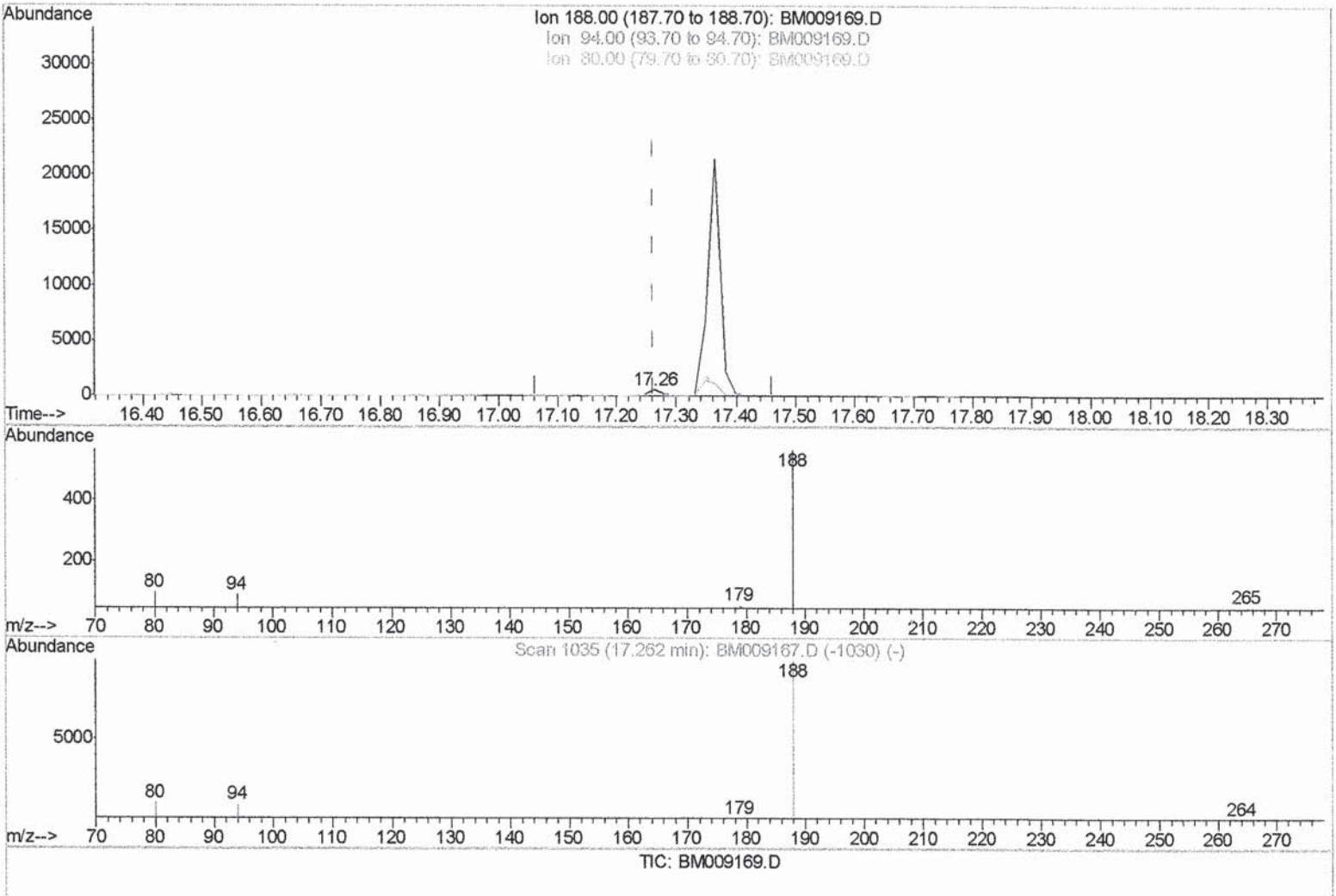
BNA_M
**ClientSampleId :**
C0AK2

**Manual Integrations APPROVED**
mohammad
3/13/2017 12:49:00 PM




TIC: BM009169.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m SJ 03/13/17

response 748

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 11.00 | 15.49# |
| 80.00 | 11.80 | 16.73# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Operator : SJ/MA
Sample : I2107-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

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QLast Update : Fri Mar 10 15:19:24 2017
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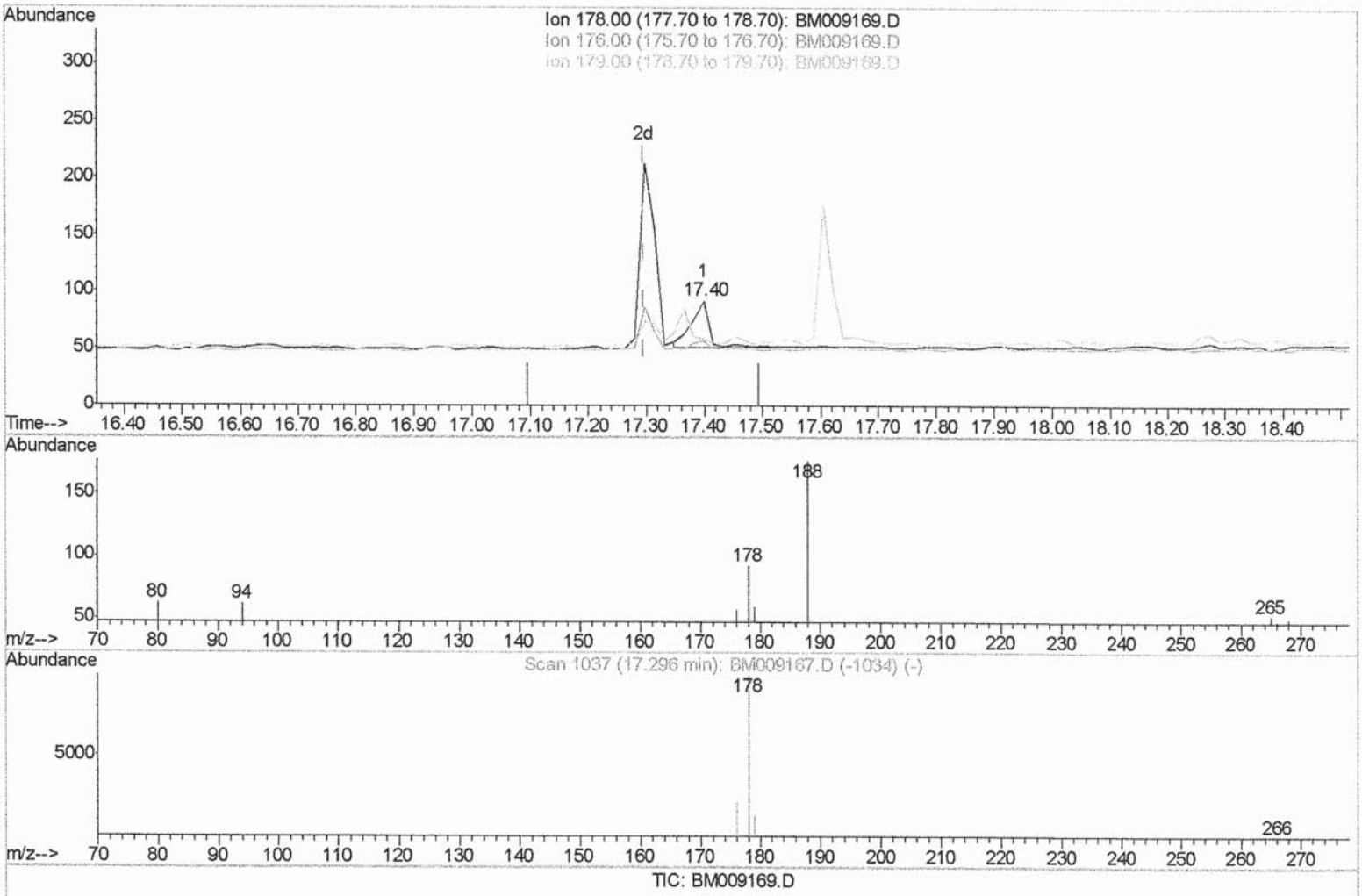
**Instrument :**
BNA_M
**ClientSampleId :**
C0AK2

**Manual Integrations APPROVED**
mohammad
3/13/2017 12:49:00 PM




TIC: BM009169.D

(12) Phenanthrene

17.399min (+0.103) 0.04ng/ul

response 87

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 176.00 | 23.00 | 61.96# |
| 179.00 | 17.00 | 64.13# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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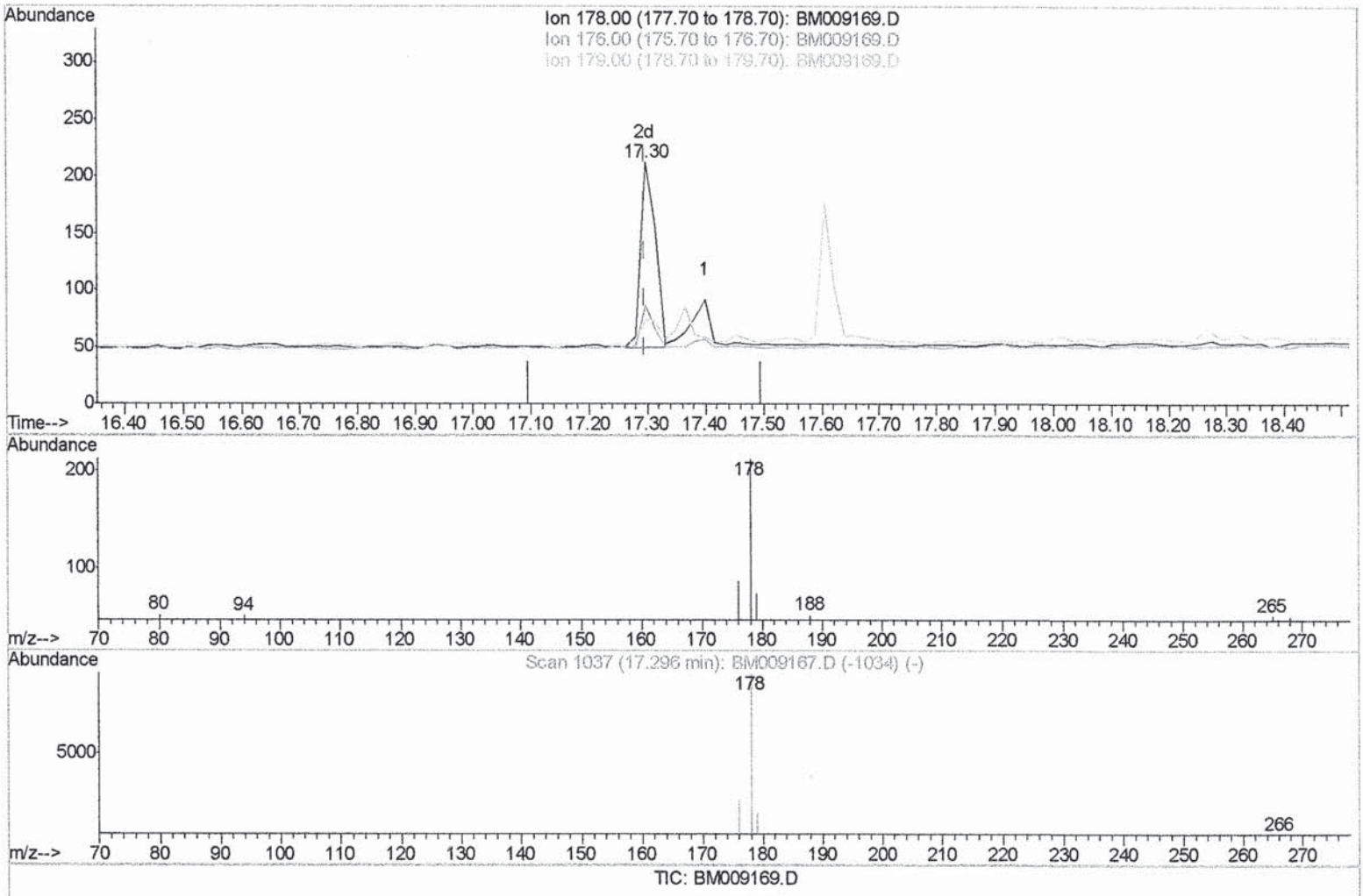
**Instrument :**
BNA_M
**ClientSampleId :**
C0AK2

**Manual Integrations APPROVED**
mohammad
3/13/2017 12:49:00 PM




TIC: BM009169.D

(12) Phenanthrene

17.296min (+0.000) 0.12ng/ul m SJ 03/13/17

response 292

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 176.00 | 23.00 | 41.04# |
| 179.00 | 17.00 | 34.91# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Operator : SJ/MA
Sample : I2107-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

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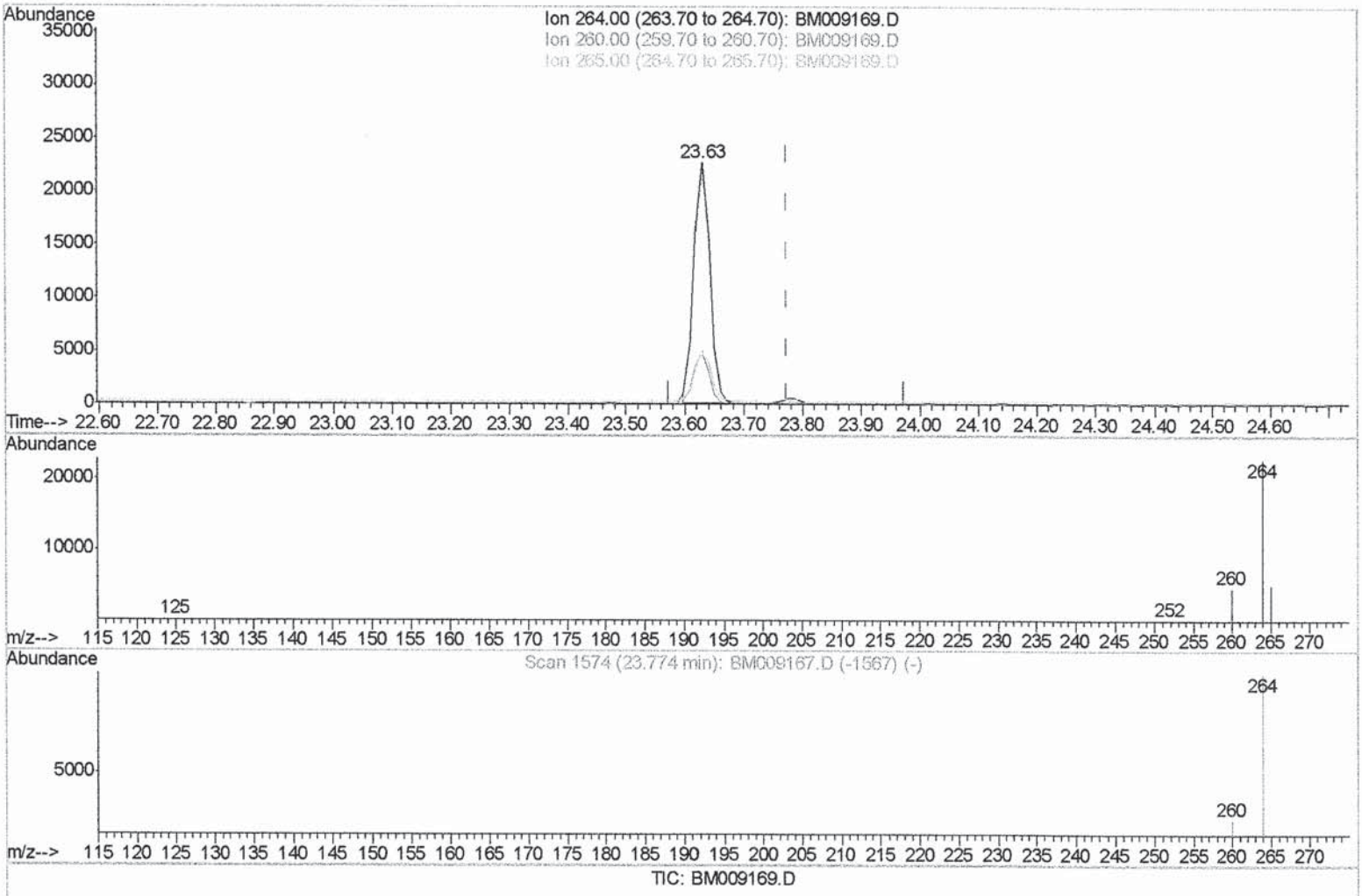
**Instrument :**
BNA_M
**ClientSampleId :**
C0AK2

**Manual Integrations APPROVED**
mohammad
3/13/2017 12:49:00 PM




TIC: BM009169.D

(20) Perylene-d12 (I)

23.629min (-0.146) 0.40ng/ul

response 41579

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 30.10 | 20.75# |
| 265.00 | 103.50 | 22.39# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

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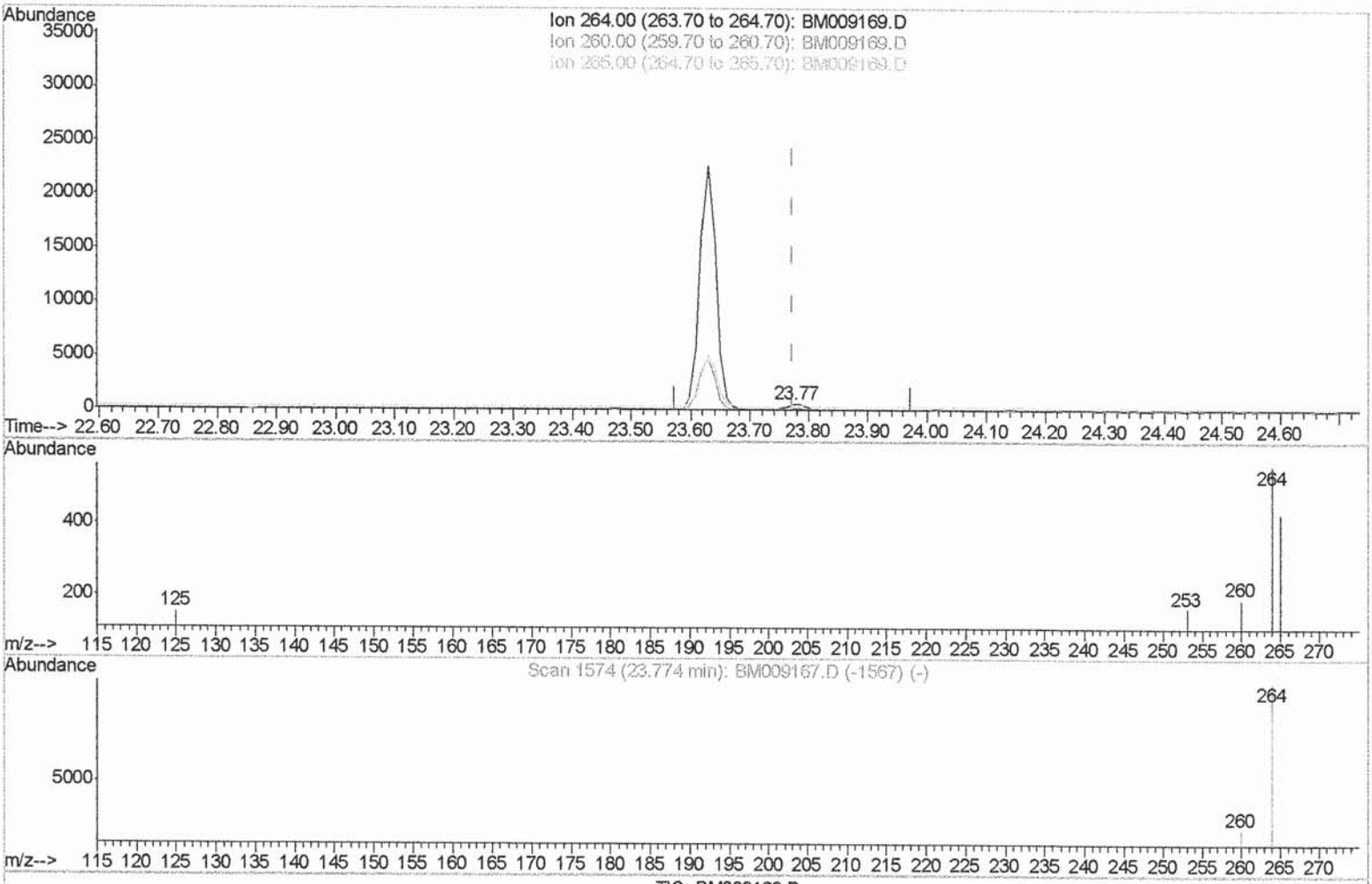
Operator : SJ/MA
Sample : I2107-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 10 15:27:34 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0AK2

**Manual Integrations APPROVED**
mohammad
3/13/2017 12:49:00 PM




TIC: BM009169.D

(20) Perylene-d12 (I)

23.775min (+0.000) 0.40ng/ul m

SJ 03/13/17

response 993

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 30.10 | 33.75 |
| 265.00 | 103.50 | 76.33# |
| 0.00 | 0.00 | 0.00 |

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**ClientSampleId :** C0AK2

**Manual Integrations APPROVED**
mohammad
3/13/2017 12:49:00 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.88 | 152 | 200 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.68 | 136 | 584 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.52 | 164 | 334 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.26 | 188 | 748m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.44 | 240 | 959 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.77 | 264 | 993m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.27 | 152 | 159 | 0.16 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.29 | 212 | 404 | 0.17 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 12) Phenanthrene | 17.30 | 178 | 292m | 0.12 | ng/ul | |
| 15) Fluoranthene | 19.33 | 202 | 523 | 0.17 | ng/ul | 77 |
| 17) Pyrene | 19.69 | 202 | 540 | 0.16 | ng/ul# | 78 |
| 18) Benzo(a)anthracene | 21.42 | 228 | 323 | 0.10 | ng/ul# | 67 |
| 19) Chrysene | 21.47 | 228 | 272 | 0.09 | ng/ul# | 60 |

SJ 03/13/17

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