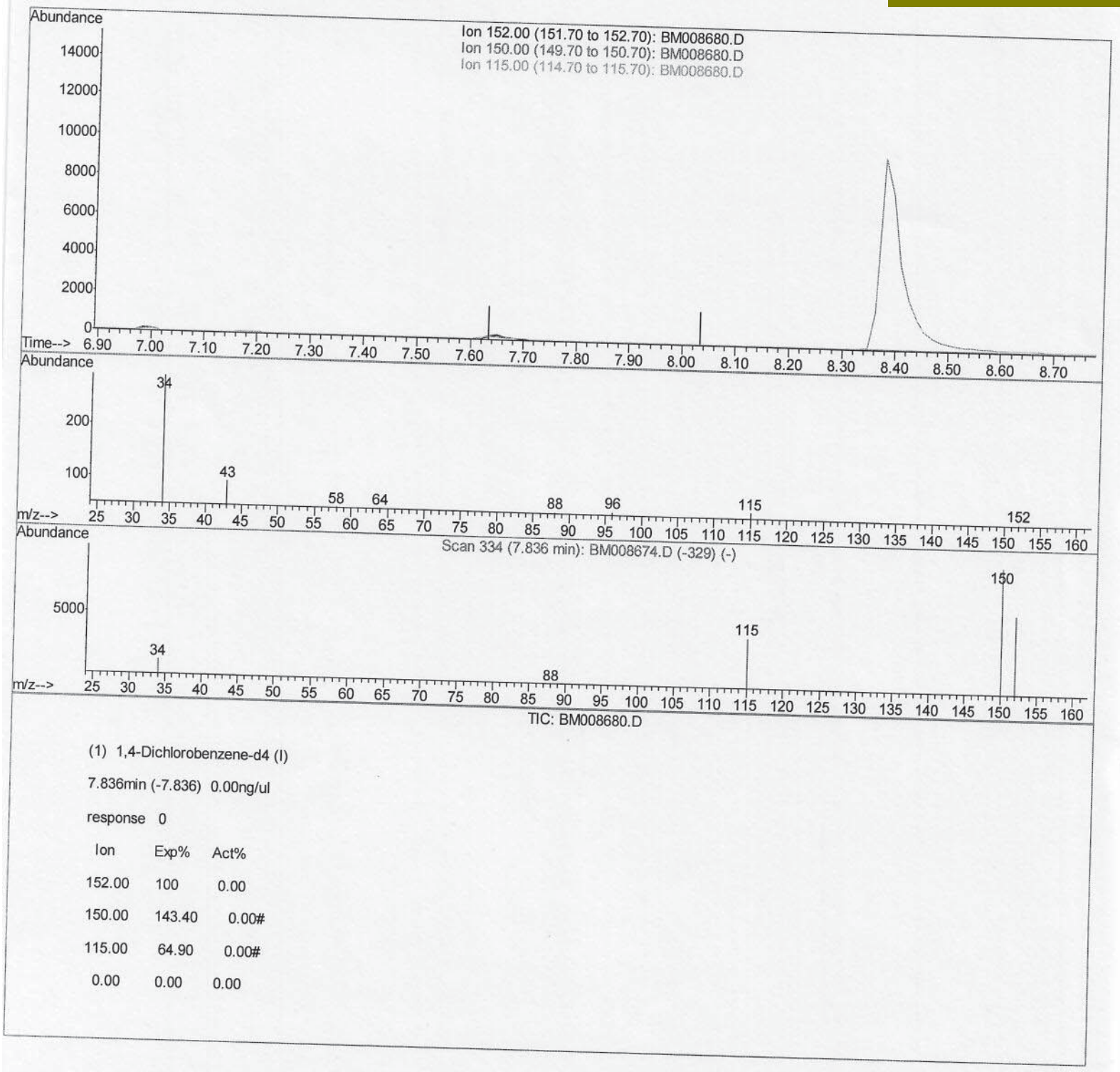
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:55:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




(1) 1,4-Dichlorobenzene-d4 (I)

7.836min (-7.836) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 152.00 | 100 | 0.00 |
| 150.00 | 143.40 | 0.00# |
| 115.00 | 64.90 | 0.00# |
| 0.00 | 0.00 | 0.00 |

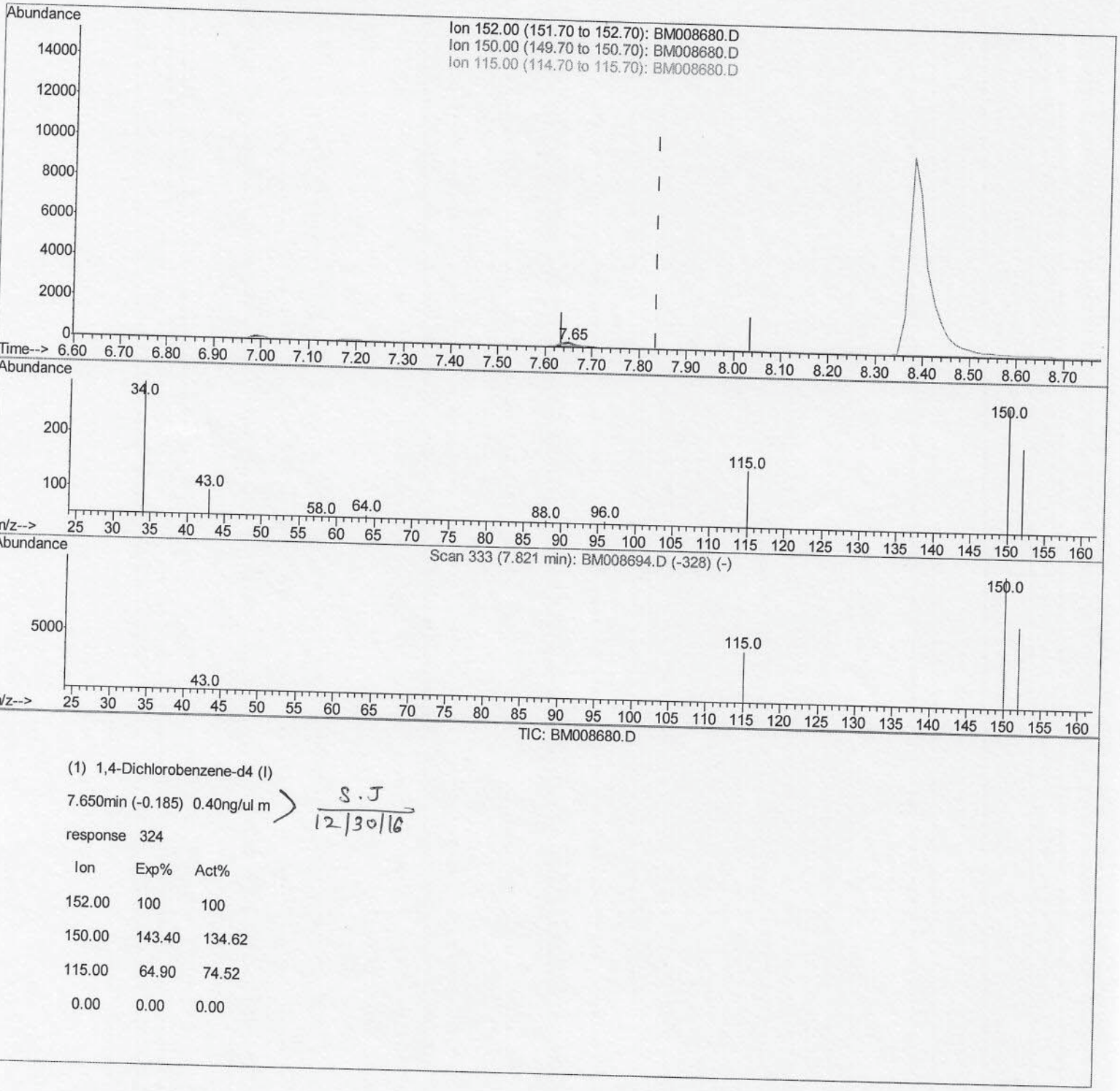
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 29 12:15:31 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




TIC: BM008680.D

(1) 1,4-Dichlorobenzene-d4 (I)

7.650min (-0.185) 0.40ng/ul m

S.J 12/30/16

response 324

| Ion | Exp% | Act% |
|---|---|---|
| 152.00 | 100 | 100 |
| 150.00 | 143.40 | 134.62 |
| 115.00 | 64.90 | 74.52 |
| 0.00 | 0.00 | 0.00 |

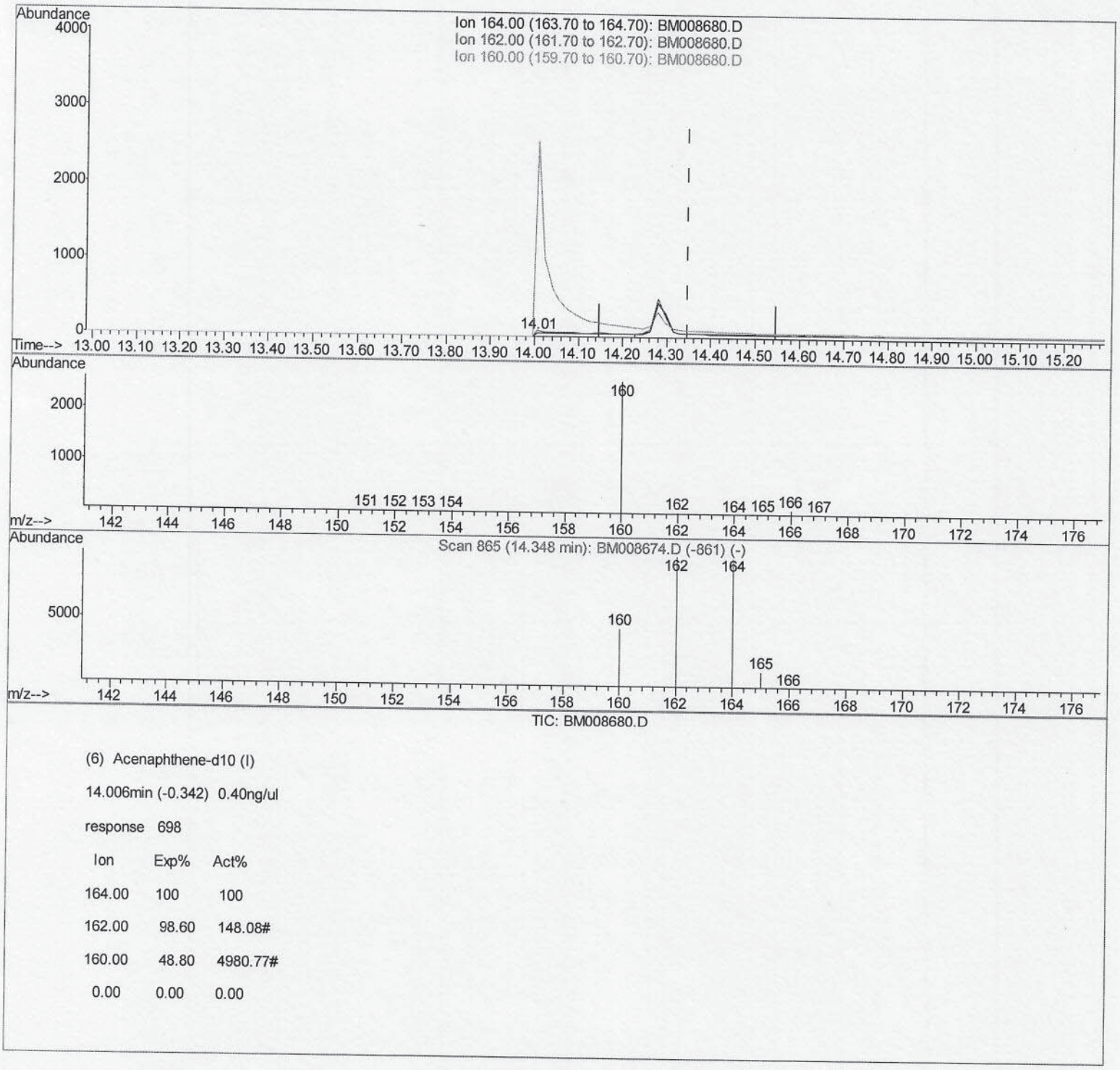
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:55:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




(6) Acenaphthene-d10 (I)

14.006min (-0.342) 0.40ng/ul

response 698

| Ion | Exp% | Act% |
|---|---|---|
| 164.00 | 100 | 100 |
| 162.00 | 98.60 | 148.08# |
| 160.00 | 48.80 | 4980.77# |
| 0.00 | 0.00 | 0.00 |

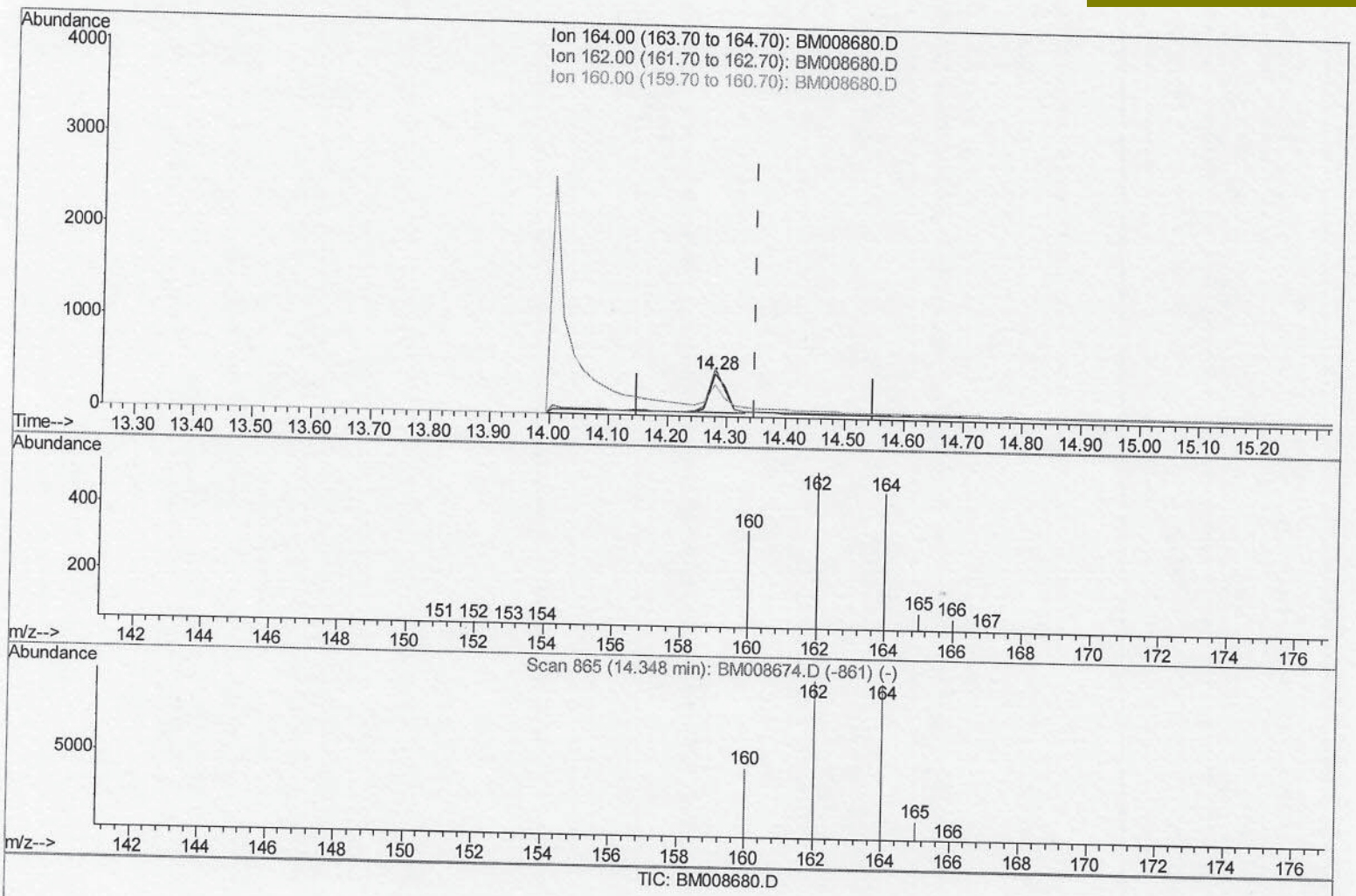
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:55:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM



TIC: BM008680.D

(6) Acenaphthene-d10 (I)

14.280min (-0.068) 0.40ng/ul m > S.J 12/30/16

response 806

| Ion | Exp% | Act% |
|---|---|---|
| 164.00 | 100 | 100 |
| 162.00 | 98.60 | 112.07 |
| 160.00 | 48.80 | 73.92# |
| 0.00 | 0.00 | 0.00 |

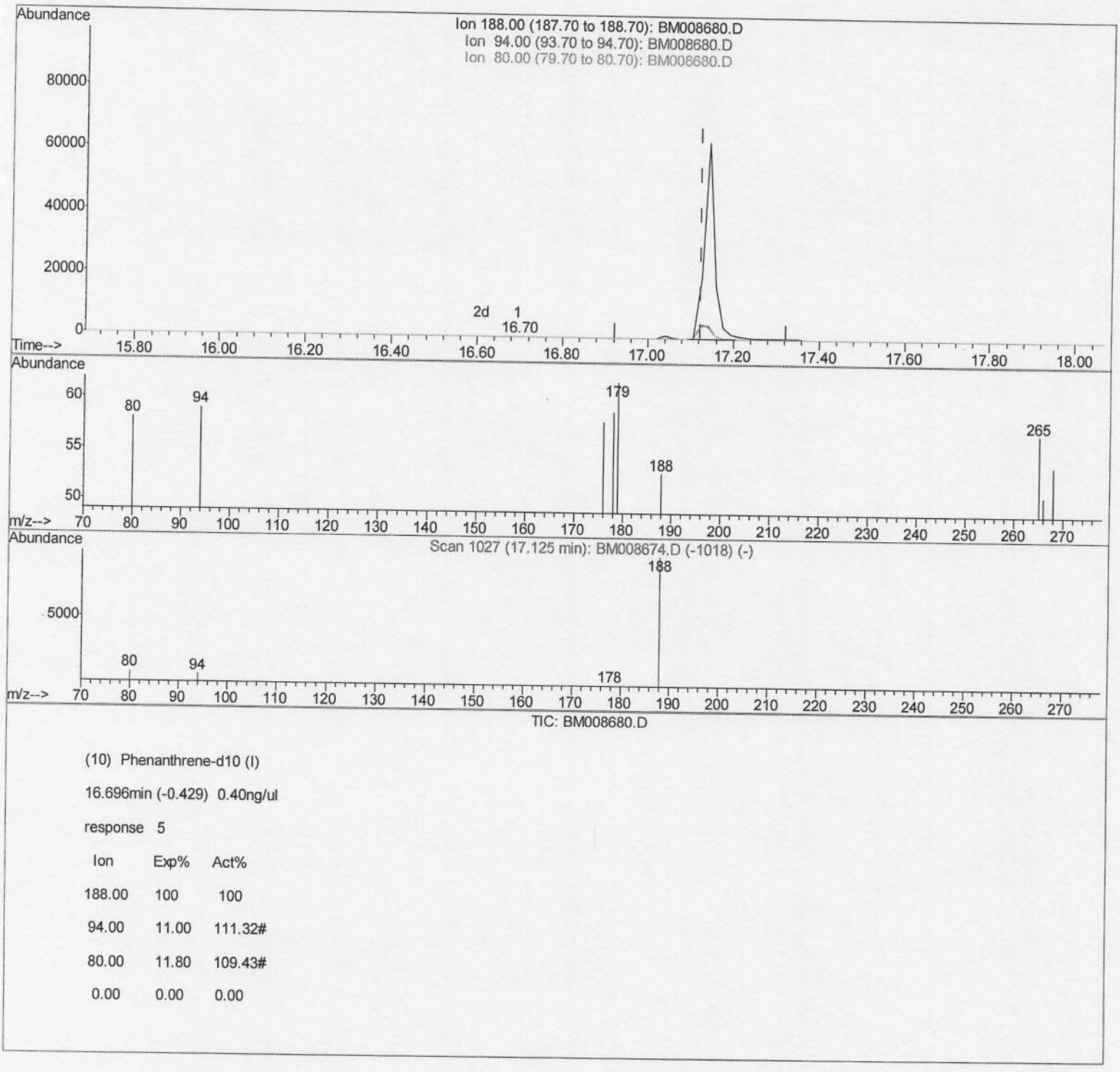
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:55:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




(10) Phenanthrene-d10 (I)

16.696min (-0.429) 0.40ng/ul

response 5

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 11.00 | 111.32# |
| 80.00 | 11.80 | 109.43# |
| 0.00 | 0.00 | 0.00 |

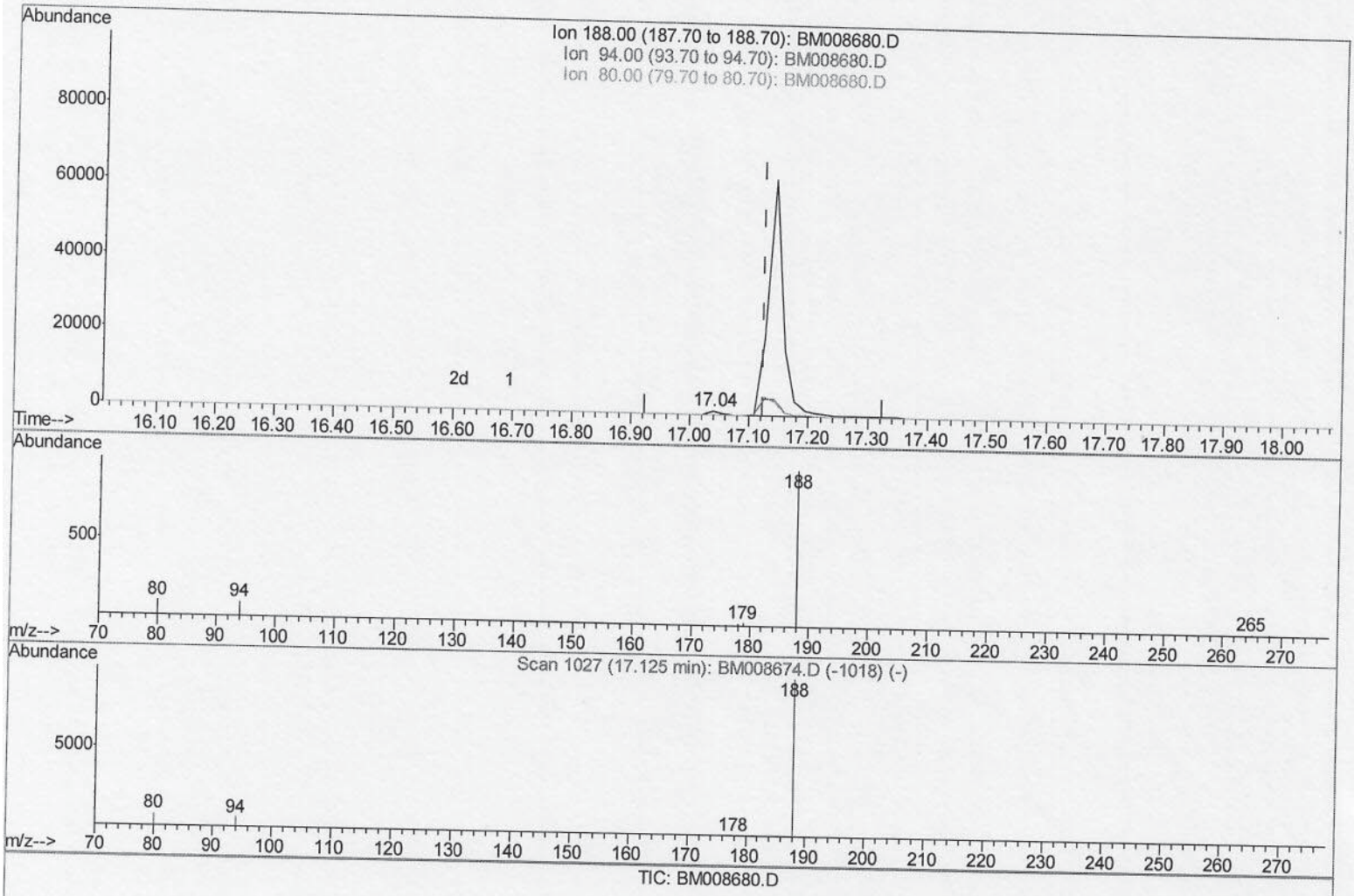
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:55:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




TIC: BM008680.D

(10) Phenanthrene-d10 (I)

17.039min (-0.086) 0.40ng/ul m > S.J 12/30/16

response 1520

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 11.00 | 13.79# |
| 80.00 | 11.80 | 14.21# |
| 0.00 | 0.00 | 0.00 |

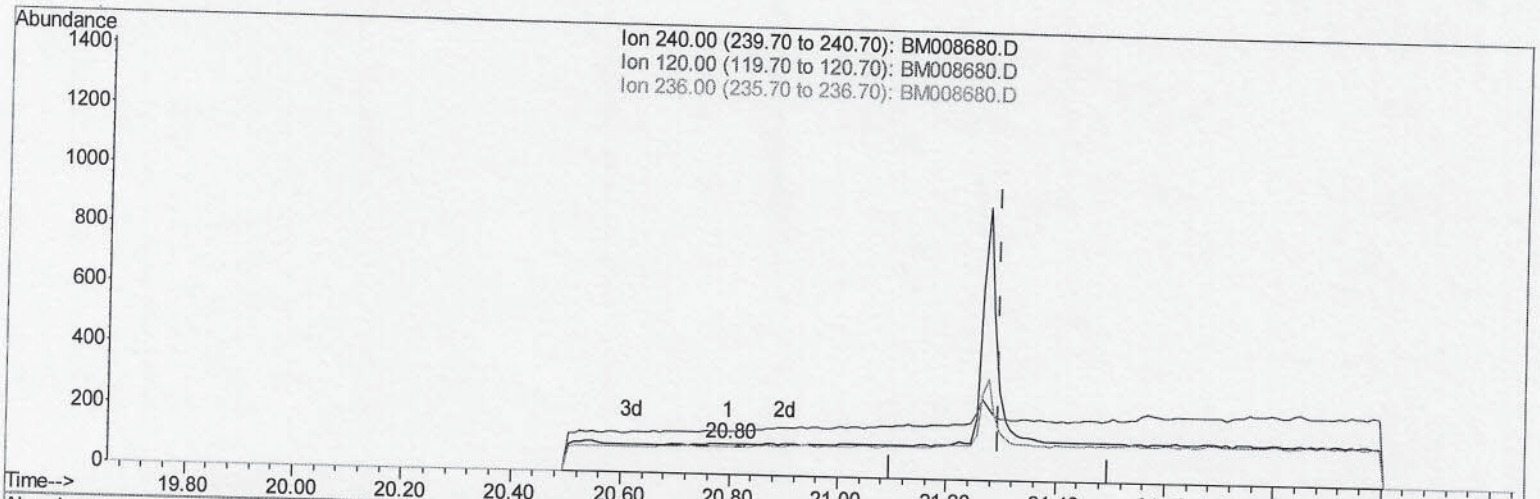
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

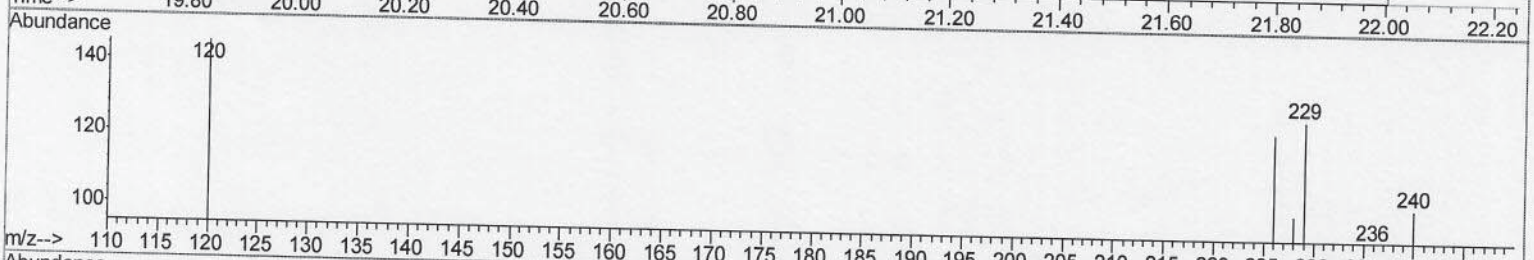
Misc :
ALS Vial : 8 Sample Multiplier: 1

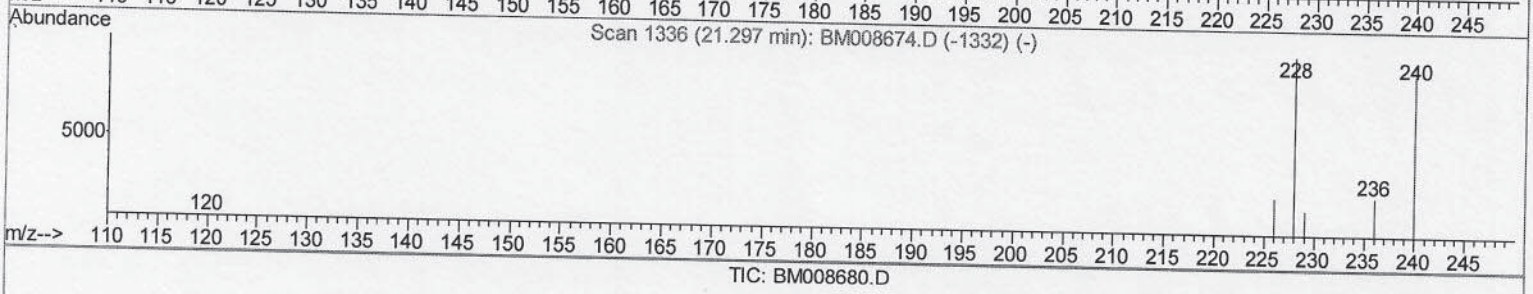
Quant Time: Dec 28 04:55:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




TIC: BM008680.D

(16) Chrysene-d12 (I)

20.797min (-0.500) 0.40ng/ul

response 64

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 20.60 | 139.42# |
| 236.00 | 34.90 | 91.35# |
| 0.00 | 0.00 | 0.00 |

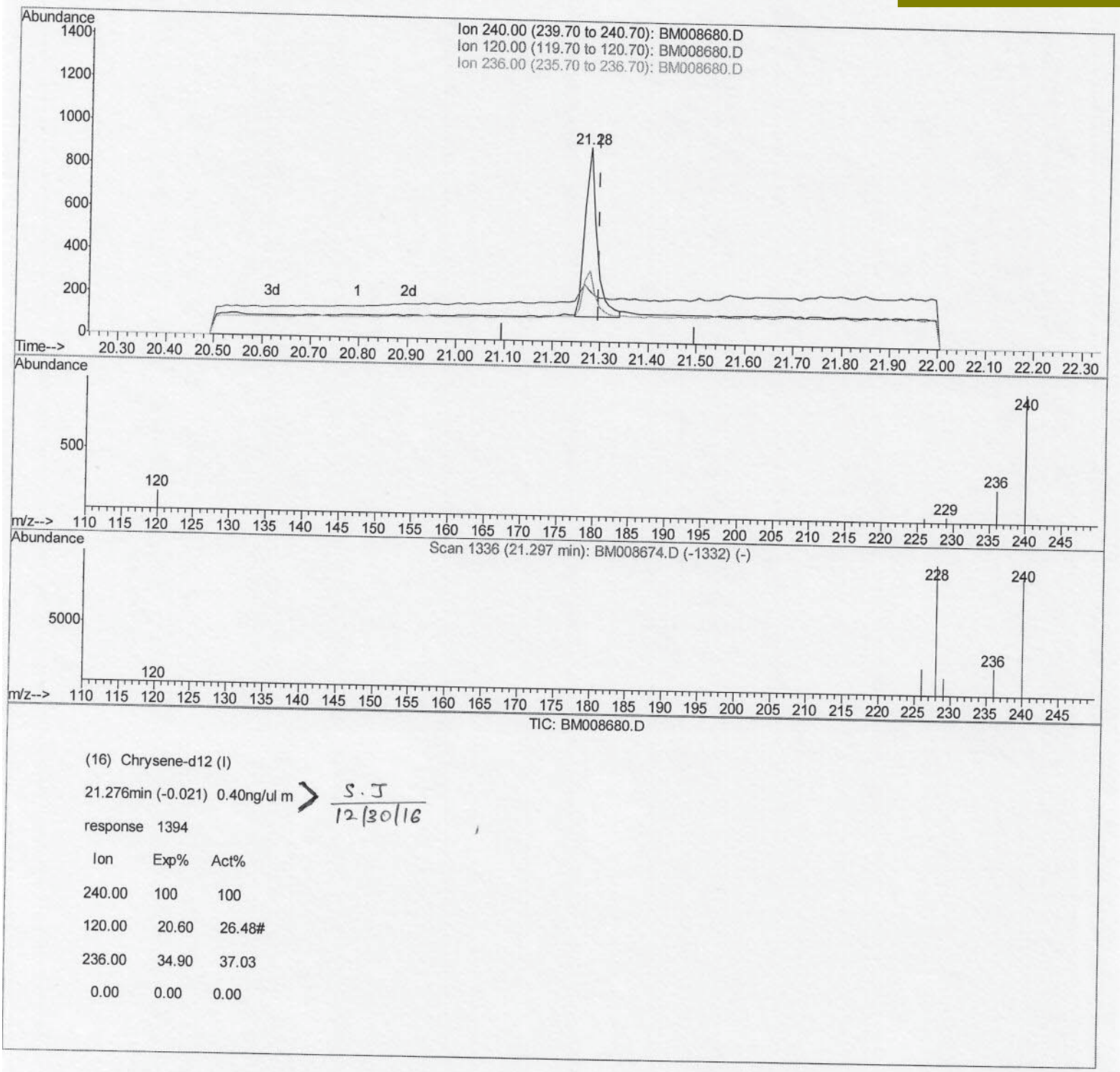
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:55:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




TIC: BM008680.D

(16) Chrysene-d12 (I)

21.276min (-0.021) 0.40ng/ul m > S.J 12/30/16

response 1394

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 20.60 | 26.48# |
| 236.00 | 34.90 | 37.03 |
| 0.00 | 0.00 | 0.00 |

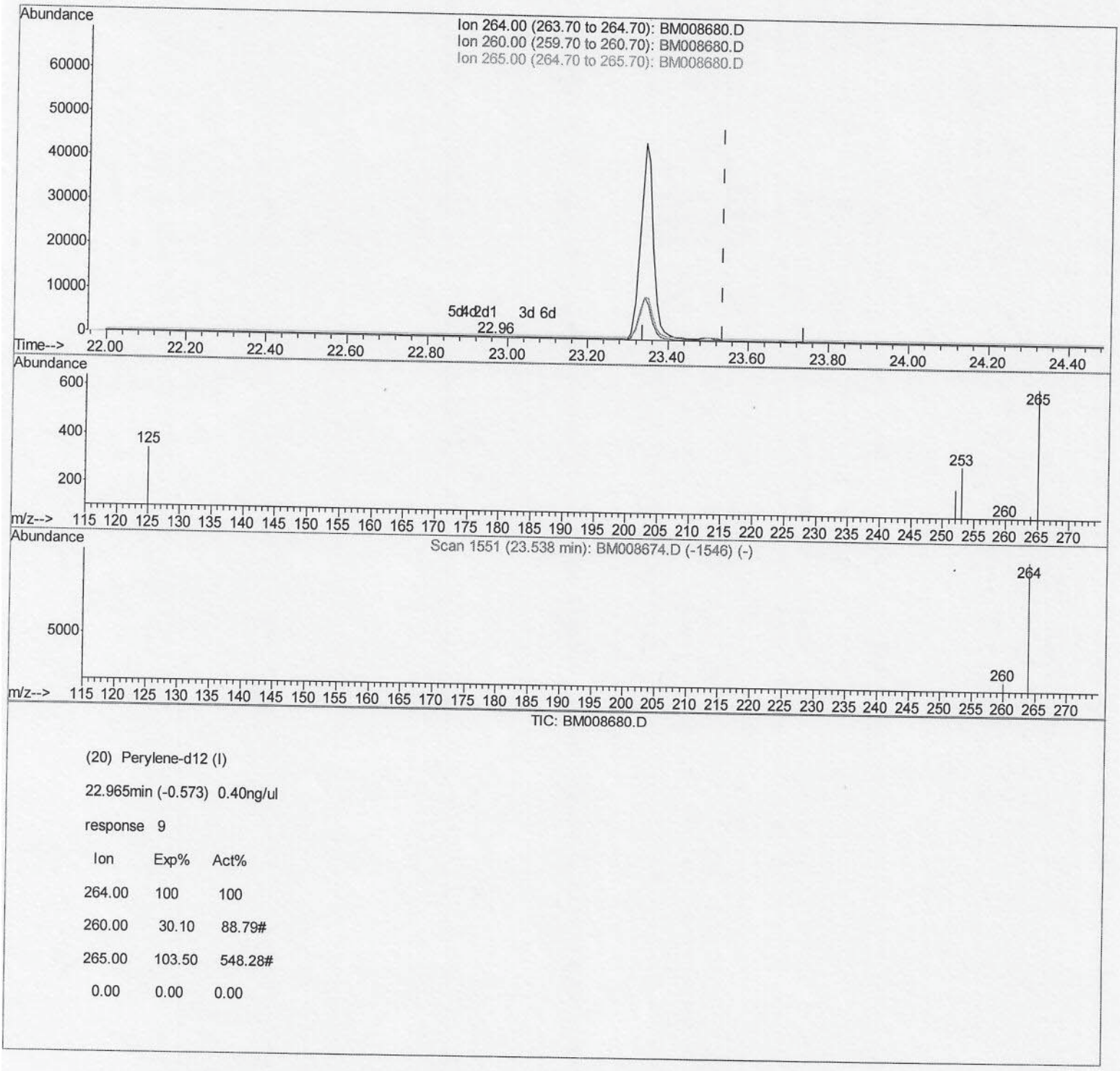
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:55:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




TIC: BM008680.D

(20) Perylene-d12 (I)

22.965min (-0.573) 0.40ng/ul

response 9

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 30.10 | 88.79# |
| 265.00 | 103.50 | 548.28# |
| 0.00 | 0.00 | 0.00 |

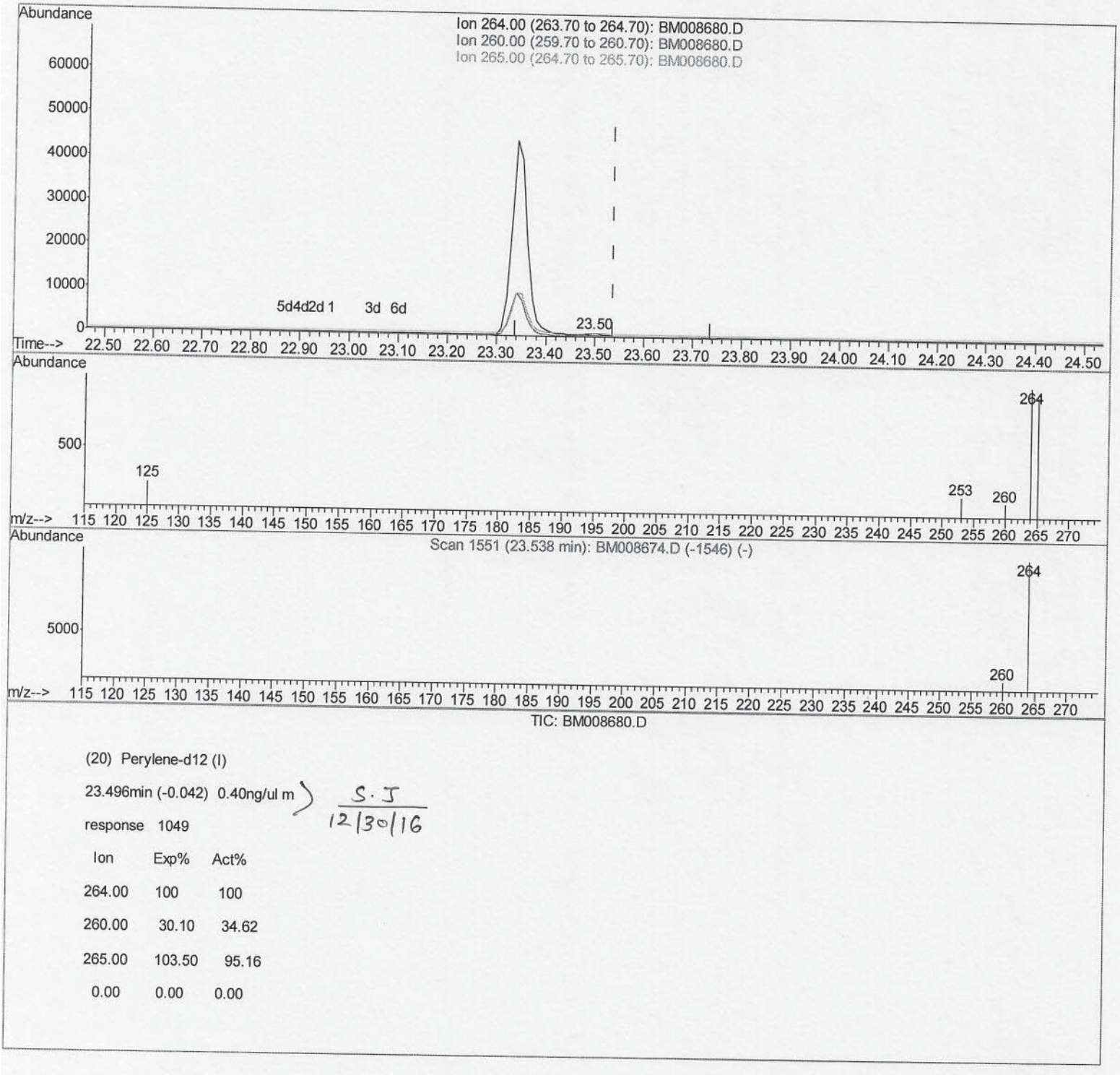
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:55:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




(20) Perylene-d12 (I)

23.496min (-0.042) 0.40ng/ul m

response 1049

S.J 12/30/16

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 30.10 | 34.62 |
| 265.00 | 103.50 | 95.16 |
| 0.00 | 0.00 | 0.00 |

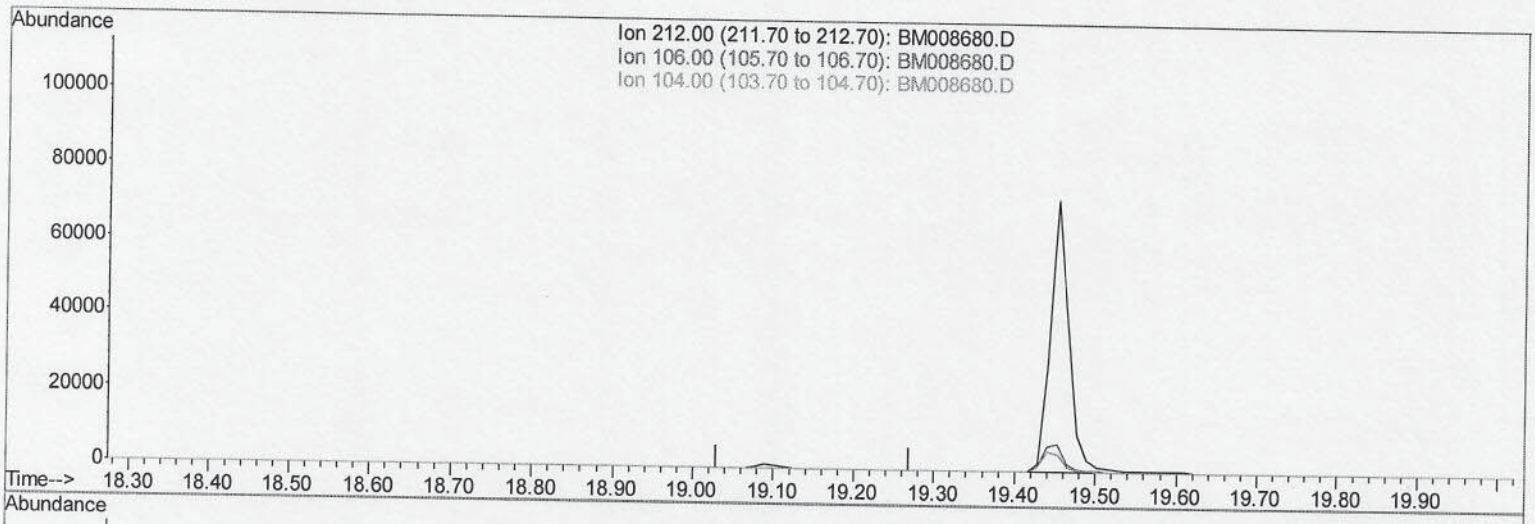
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

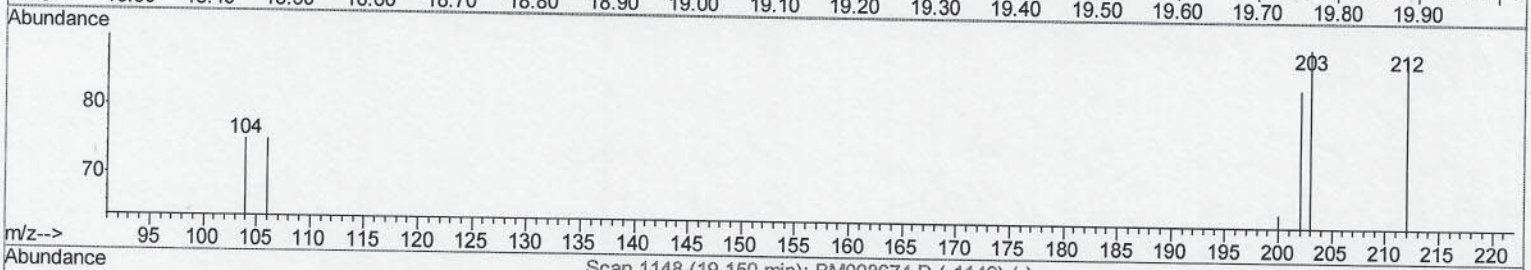
Misc :
ALS Vial : 8 Sample Multiplier: 1

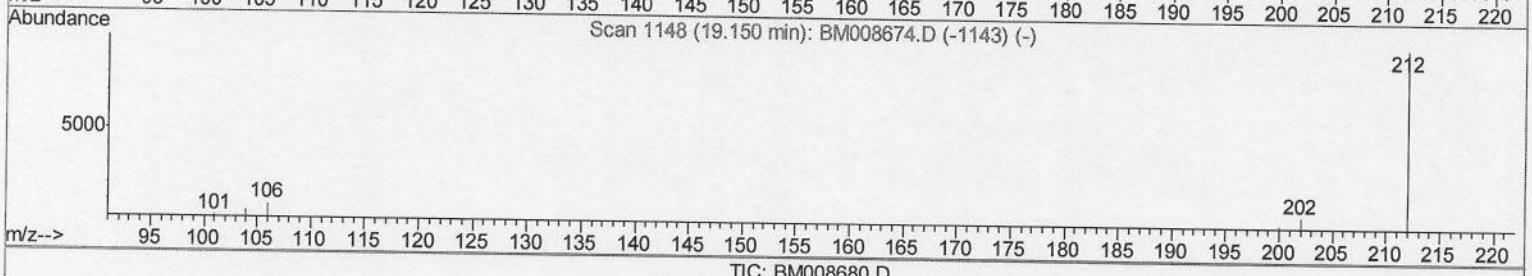
Quant Time: Dec 28 04:56:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




TIC: BM008680.D

(14) Fluoranthene-d10 (SURR)

19.150min (-19.150) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 0.00 |
| 106.00 | 18.30 | 0.00# |
| 104.00 | 15.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

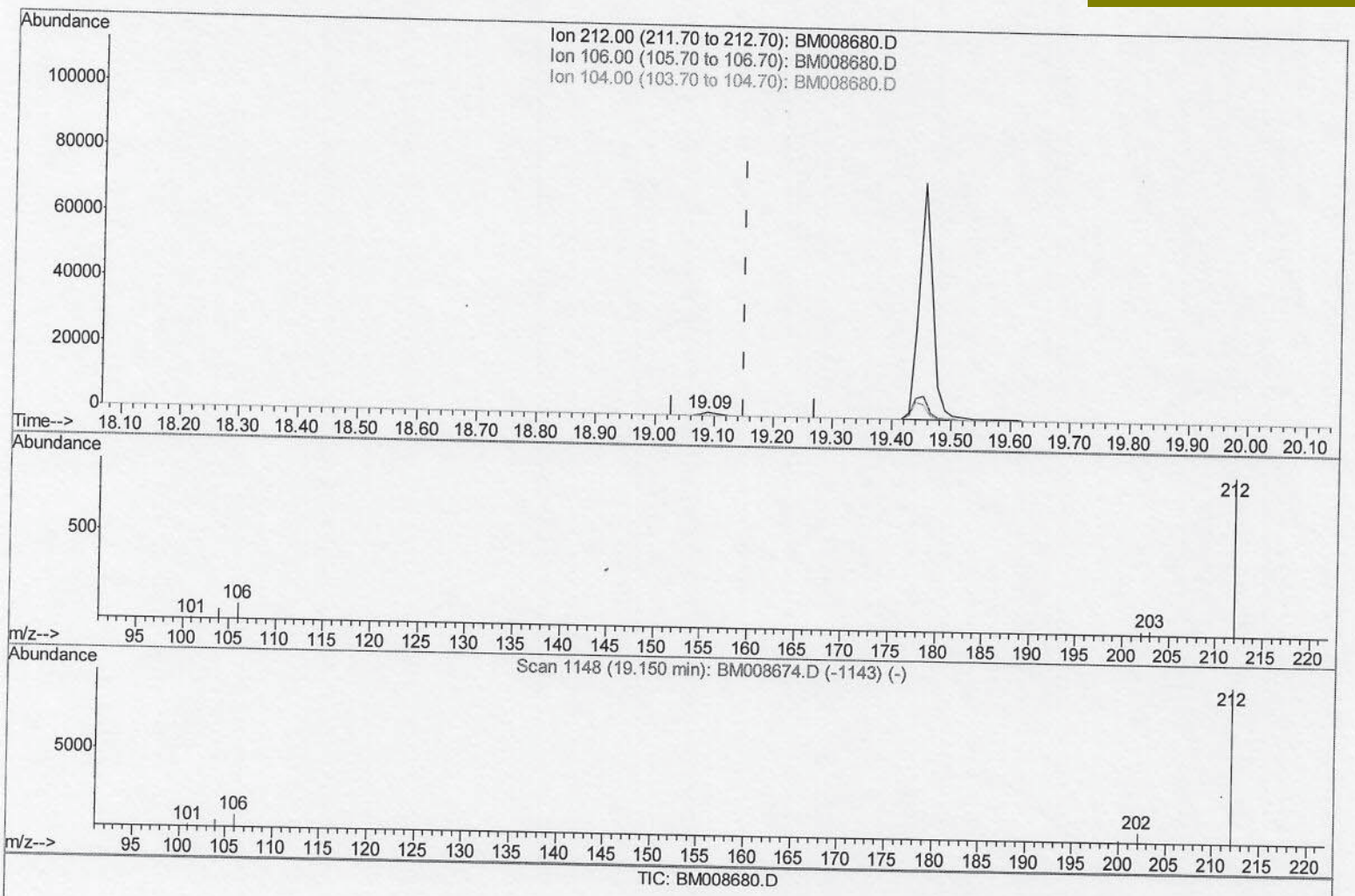
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:56:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM




TIC: BM008680.D

(14) Fluoranthene-d10 (SURR)

19.089min (-0.060) 0.31ng/ul m > S.J 12/30/16

response 1316

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 18.30 | 0.00# |
| 104.00 | 15.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

(QF Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM

Quant Time: Dec 28 04:57:37 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 388m | 0.40 | ng/ul | -0.19 |
| 2) Naphthalene-d8 | 10.43 | 136 | 1250 | 0.40 | ng/ul | -0.15 |
| 6) Acenaphthene-d10 | 14.28 | 164 | 806m | 0.40 | ng/ul | -0.07 |
| 10) Phenanthrene-d10 | 17.04 | 188 | 1520m | 0.40 | ng/ul | -0.09 |
| 16) Chrysene-d12 | 21.28 | 240 | 1394m | 0.40 | ng/ul | -0.02 |
| 20) Perylene-d12 | 23.50 | 264 | 1049m | 0.40 | ng/ul | -0.04 |

S.J 12/30/16

| System Monitoring Compounds | | | | | | |
|---|---|---|---|---|---|---|
| 4) 2-Methylnaphthalene-d10 | 12.06 | 152 | 588 | 0.31 | ng/ul | -0.11 |
| 14) Fluoranthene-d10 | 19.09 | 212 | 1316m | 0.31 | ng/ul | -0.06 |

S.J 12/30/16

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

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008680.D
Acq On : 27 Dec 2016 19:14
Operator : UM/SJ
Sample : PB95658BL

Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 04:57:37 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SBLK58

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:45:55 AM