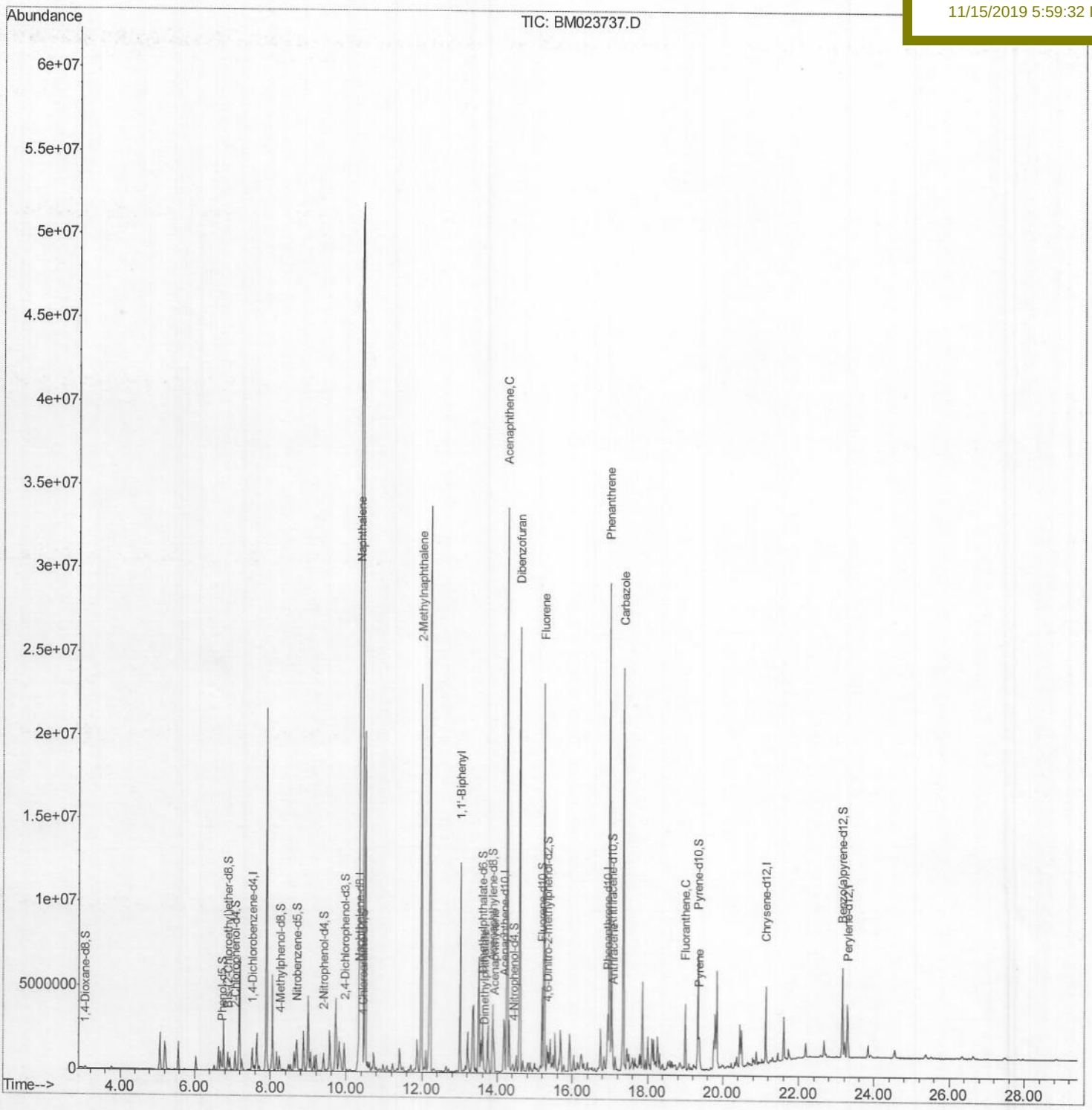
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023737.D
Acq On : 15 Nov 2019 04:06
Operator : JU
Sample : K5700-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 15 08:21:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 15 07:53:56 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BEGY7

**Manual Integrations APPROVED**
mohammad
11/15/2019 5:59:32 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111419\

# Quantitation Report (Qedit)

Data File : BM023737.D
Acq On : 15 Nov 2019 04:06
Operator : JU
Sample : K5700-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 15 07:57:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 15 07:53:56 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
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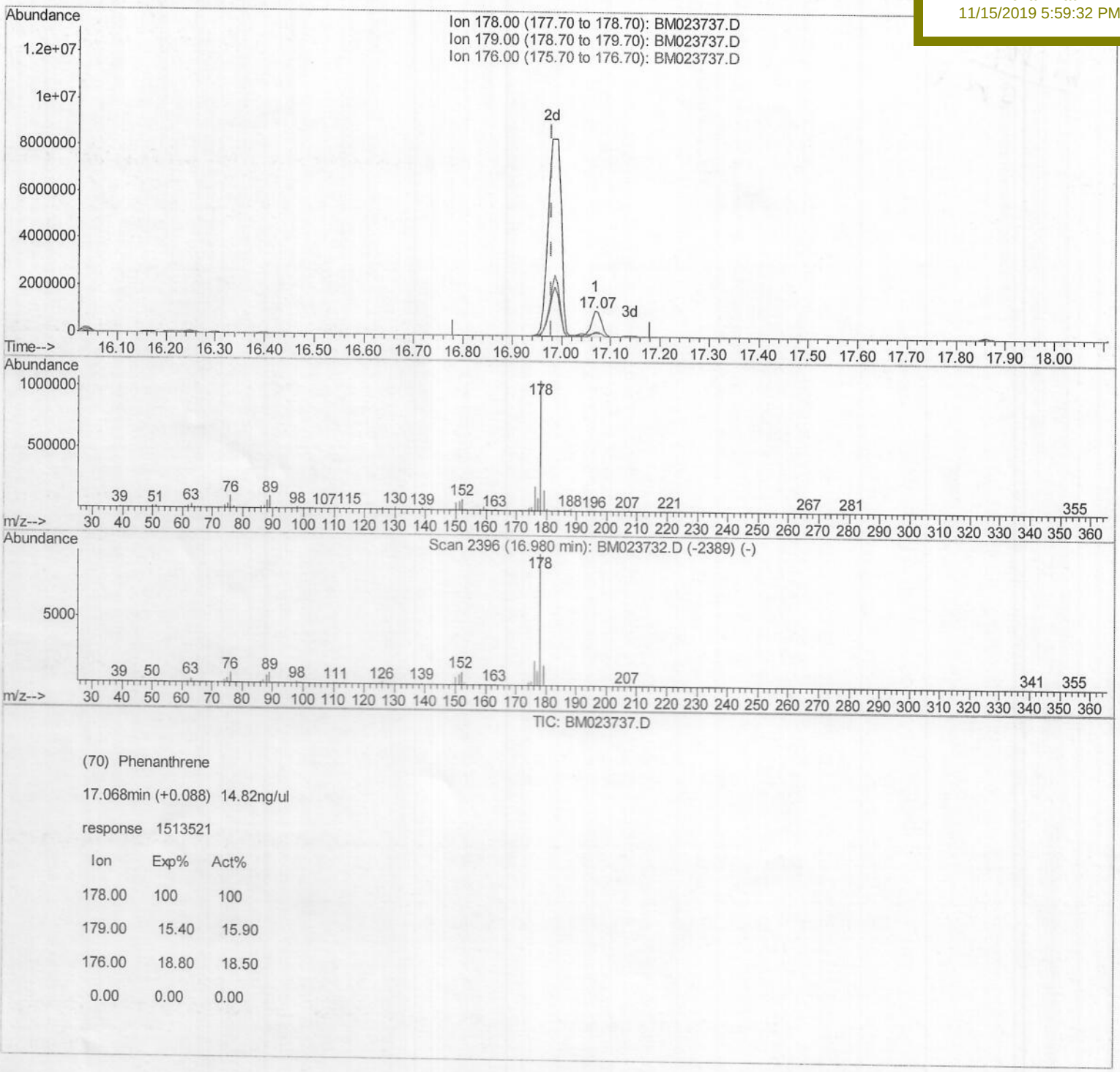
**Manual Integrations APPROVED**
mohammad
11/15/2019 5:59:32 PM




(70) Phenanthrene

17.068min (+0.088) 14.82ng/ul

response 1513521

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 15.40 | 15.90 |
| 176.00 | 18.80 | 18.50 |
| 0.00 | 0.00 | 0.00 |

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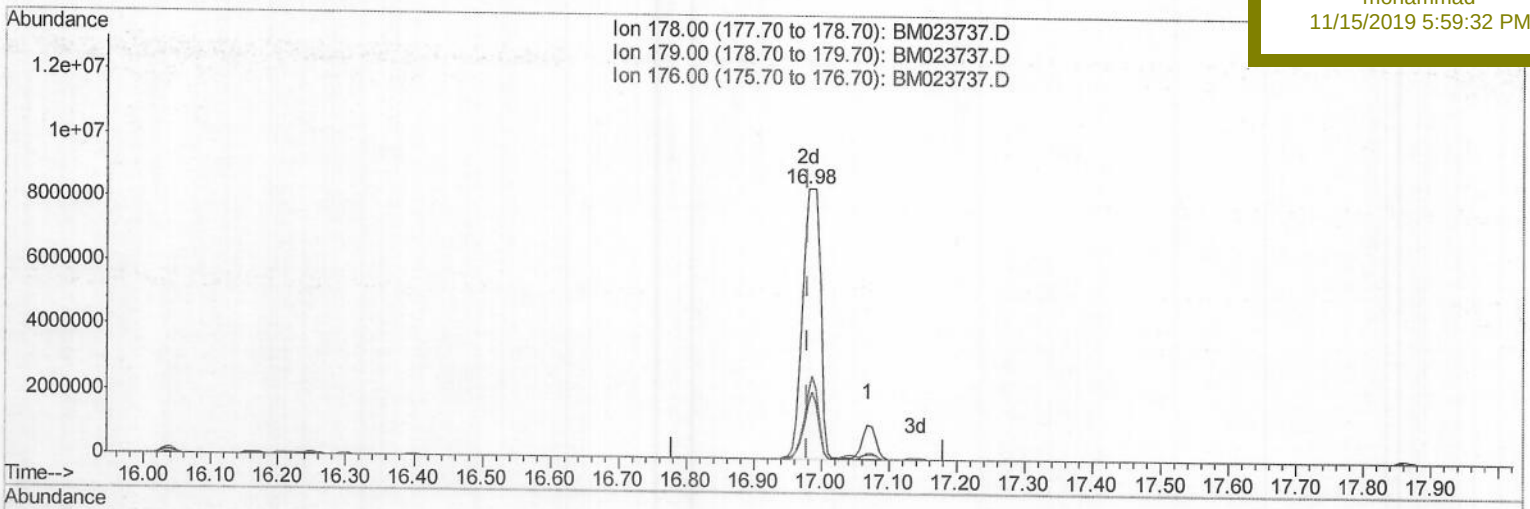
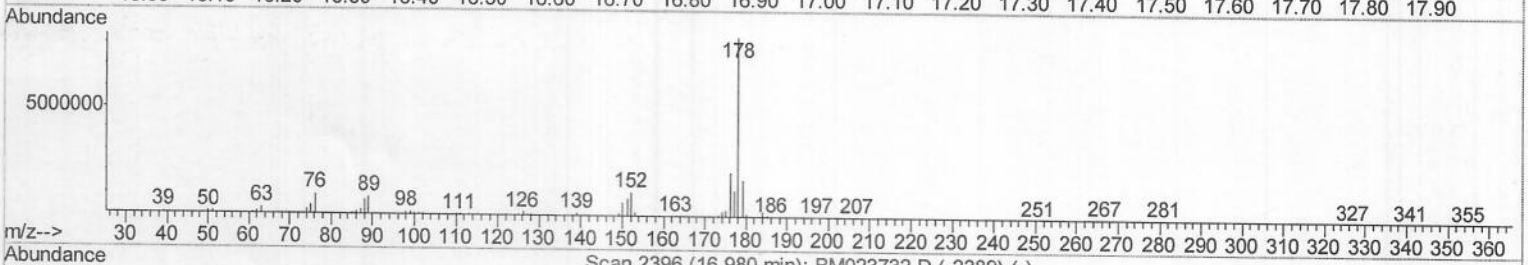
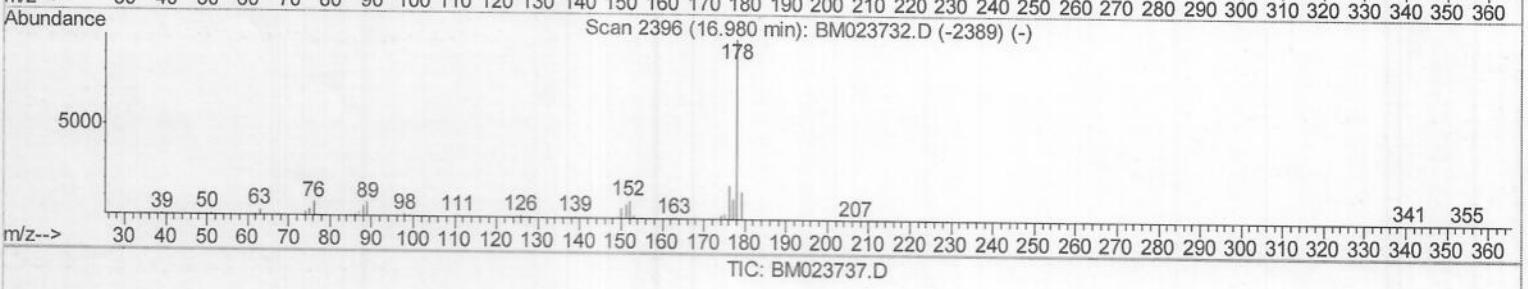
**Manual Integrations APPROVED**
mohammad
11/15/2019 5:59:32 PM




TIC: BM023737.D

(70) Phenanthrene

16.980min (-0.000) 148.83ng/ul m JU 11/16/19

response 15204471

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 15.40 | 20.31# |
| 176.00 | 18.80 | 24.59# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111419\

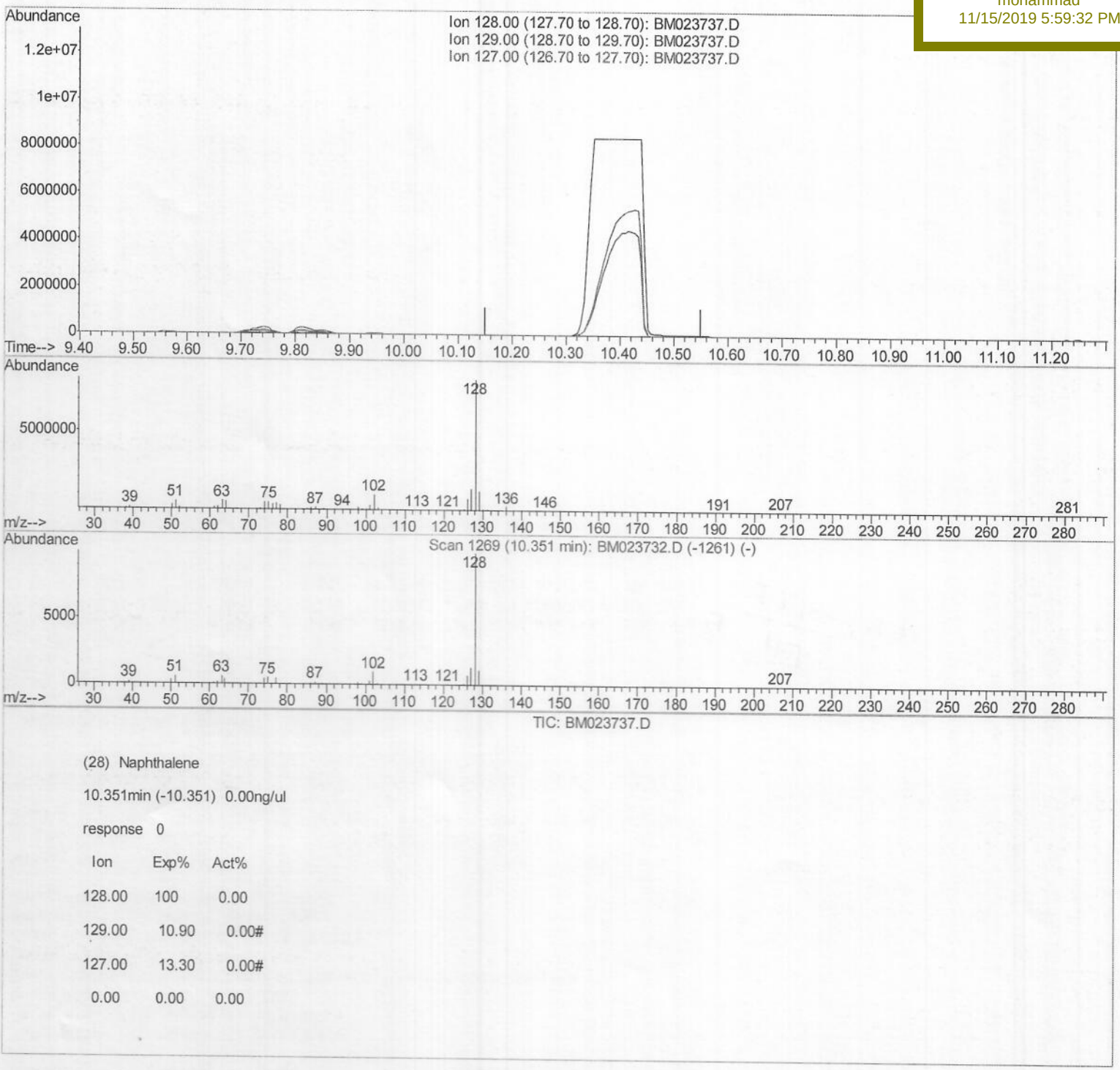
Quantitation Report (Qedit)

Data File : BM023737.D
Acq On : 15 Nov 2019 04:06
Operator : JU
Sample : K5700-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 15 07:57:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 15 07:53:56 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BEGY7

**Manual Integrations APPROVED**
mohammad
11/15/2019 5:59:32 PM




(28) Naphthalene

10.351min (-10.351) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 128.00 | 100 | 0.00 |
| 129.00 | 10.90 | 0.00# |
| 127.00 | 13.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111419\

Quantitation Report (Qedit)

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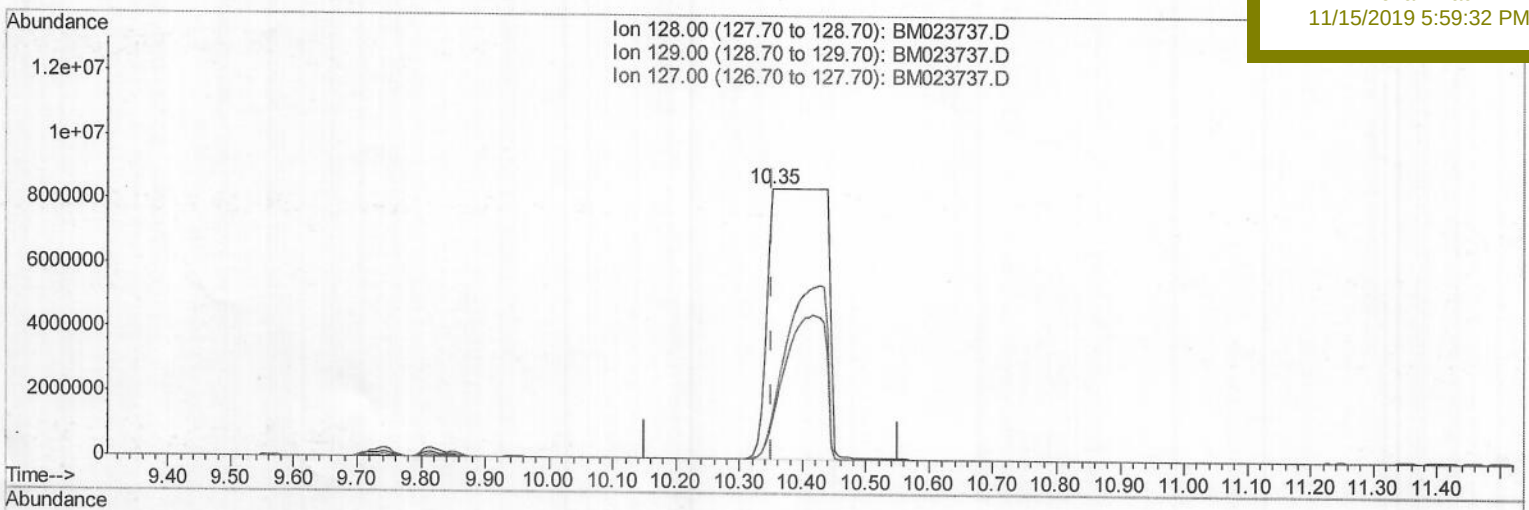
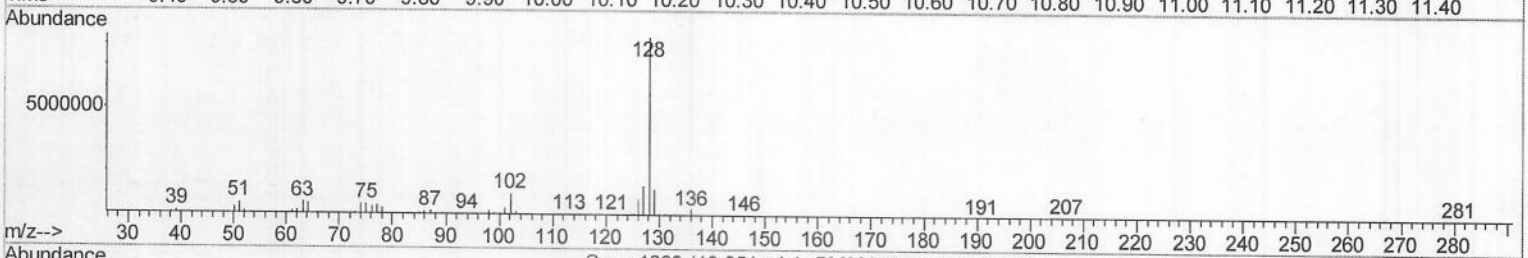
Acq On : 15 Nov 2019 04:06
Operator : JU
Sample : K5700-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

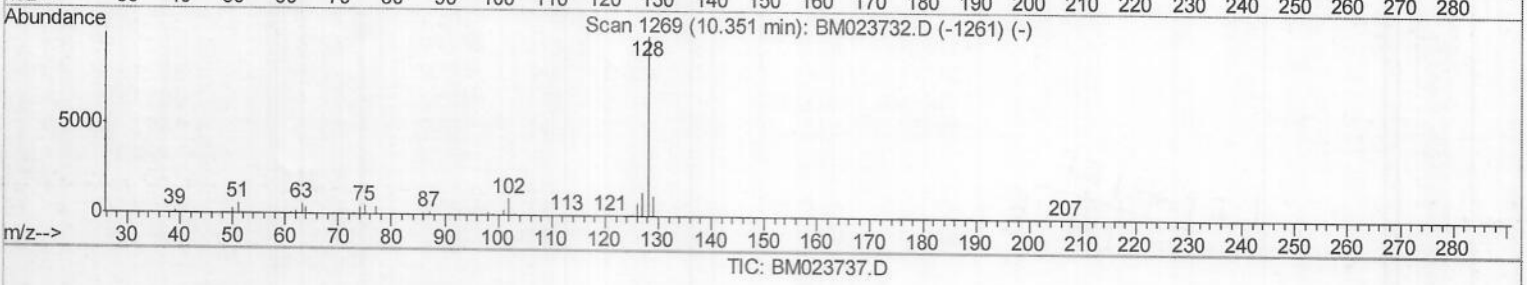
Quant Time: Nov 15 07:57:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 15 07:53:56 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BEGY7

**Manual Integrations APPROVED**
mohammad
11/15/2019 5:59:32 PM




TIC: BM023737.D

(28) Naphthalene

10.351min (-0.000) 709.61ng/ul m > JU 11/16/19

response 53148857

| Ion | Exp% | Act% |
|---|---|---|
| 128.00 | 100 | 100 |
| 129.00 | 10.90 | 14.45# |
| 127.00 | 13.30 | 16.24# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111419\

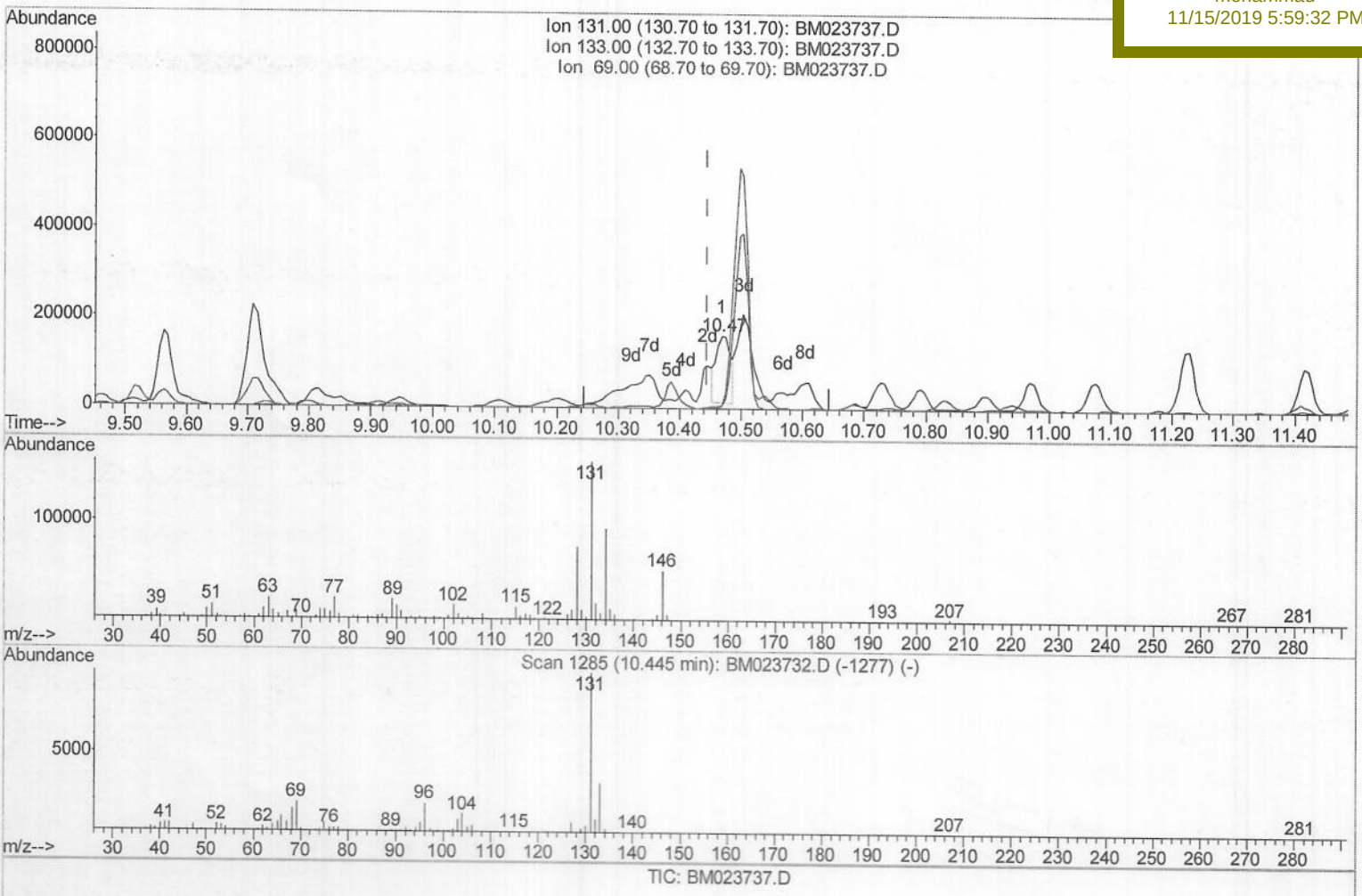
Quantitation Report (Qedit)

Data File : BM023737.D
Acq On : 15 Nov 2019 04:06
Operator : JU
Sample : K5700-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 15 07:57:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 15 07:53:56 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BEGY7

**Manual Integrations APPROVED**
mohammad
11/15/2019 5:59:32 PM










TIC: BM023737.D

(29) 4-Chloroaniline-d4 (S)

10.469min (+0.023) 9.44ng/ul

response 253401

| Ion | Exp% | Act% |
|---|---|---|
| 131.00 | 100 | 100 |
| 133.00 | 32.50 | 4.62# |
| 69.00 | 19.60 | 5.21# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111419\

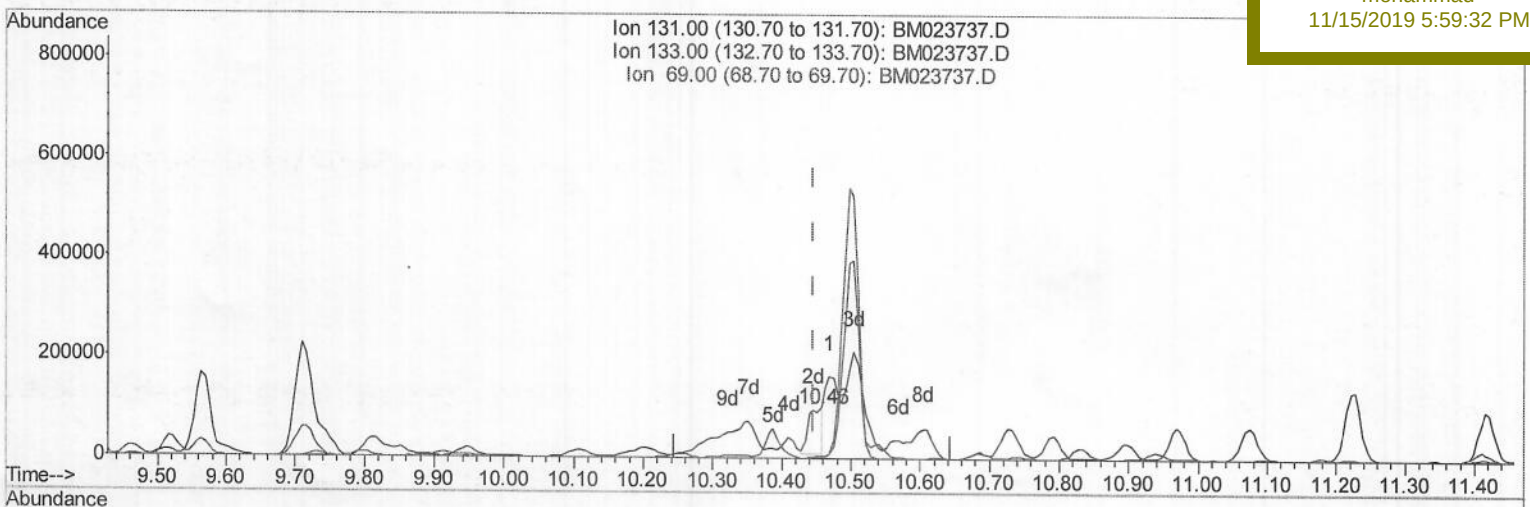
Quantitation Report (Qedit)

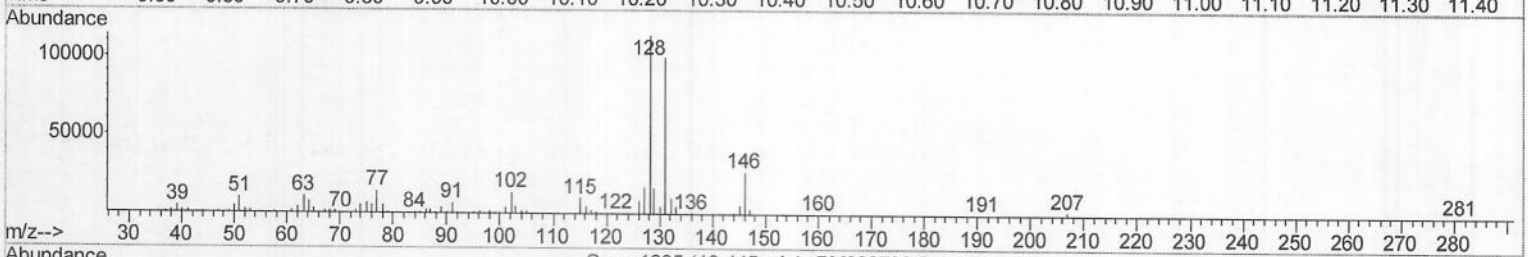
Data File : BM023737.D
Acq On : 15 Nov 2019 04:06
Operator : JU
Sample : K5700-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

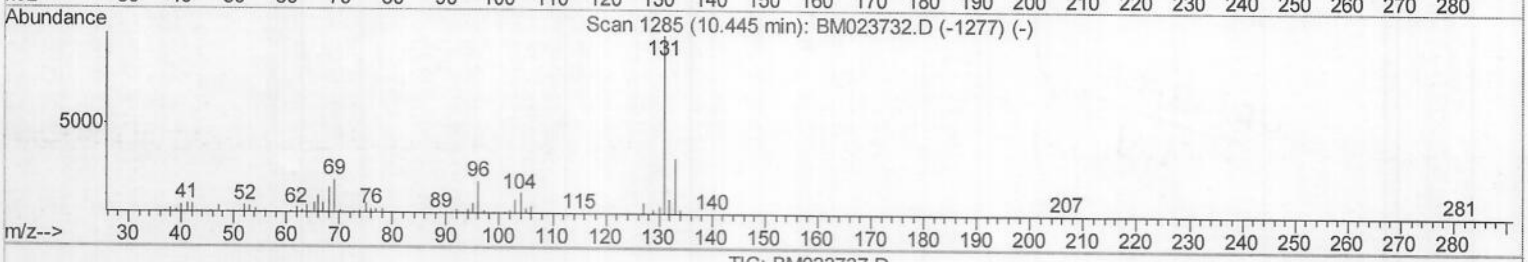
Quant Time: Nov 15 07:57:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 15 07:53:56 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BEGY7

**Manual Integrations APPROVED**
mohammad
11/15/2019 5:59:32 PM




TIC: BM023737.D

(29) 4-Chloroaniline-d4 (S)

10.457min (+0.012) 4.64ng/ul m > JU 11/16/19

response 124615

| Ion | Exp% | Act% |
|---|---|---|
| 131.00 | 100 | 100 |
| 133.00 | 32.50 | 4.77# |
| 69.00 | 19.60 | 2.18# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023737.D
Acq On : 15 Nov 2019 04:06
Operator : JU
Sample : K5700-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 15 08:21:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 15 07:53:56 2019
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** BEGY7

**Manual Integrations APPROVED**
mohammad
11/15/2019 5:59:32 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.53 | 152 | 368450 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.33 | 136 | 1424997 | 20.00 | ng/ul | 0.02 |
| 36) Acenaphthene-d10 | 14.19 | 164 | 908417 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.94 | 188 | 1854714 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.14 | 240 | 1847994 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.29 | 264 | 2216369 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.06 | 96 | 52107 | 5.83 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.72 | 99 | 167759 | 4.99 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.87 | 67 | 480653 | 24.91 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.07 | 132 | 521760 | 21.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.25 | 113 | 320600 | 11.97 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.68 | 128 | 361551 | 35.45 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.40 | 143 | 376218 | 35.09 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.95 | 165 | 660748 | 27.03 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 10.46 | 131 | 124615m | 4.64 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6 | 13.61 | 166 | 2187679 | 30.88 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.87 | 160 | 2542975 | 31.45 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.42 | 143 | 62230 | 5.15 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.19 | 176 | 1913070 | 30.58 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.32 | 200 | 309397 | 28.84 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.04 | 188 | 2877336 | 32.70 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.34 | 212 | 3191575 | 33.12 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.16 | 264 | 3873583 | 33.21 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.35 | 128 | 53148857m | 709.615 | ng/ul | |
| 34) 2-Methylnaphthalene | 11.99 | 142 | 11297885 | 197.188 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.02 | 154 | 6620939 | 94.480 | ng/ul | 98 |
| 45) Dimethylphthalate | 13.66 | 163 | 98222 | 1.415 | ng/ul | 100 |
| 48) Acenaphthylene | 13.90 | 152 | 244145 | 3.000 | ng/ul# | 71 |
| 50) Acenaphthene | 14.26 | 153 | 14347804 | 248.412 | ng/ul | 90 |
| 54) Dibenzofuran | 14.59 | 168 | 15518076 | 181.498 | ng/ul# | 79 |
| 59) Fluorene | 15.25 | 166 | 11027265 | 158.973 | ng/ul | 99 |
| 70) Phenanthrene | 16.98 | 178 | 15204471m | 148.829 | ng/ul | |
| 72) Anthracene | 17.07 | 178 | 1530756 | 14.901 | ng/ul | 99 |
| 75) Carbazole | 17.35 | 167 | 15166888 | 177.118 | ng/ul# | 85 |
| 77) Fluoranthene | 19.00 | 202 | 2202577 | 20.124 | ng/ul | 98 |
| 80) Pyrene | 19.37 | 202 | 1300250 | 10.885 | ng/ul | 100 |

JU 11/16/19

JU 11/16/19

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