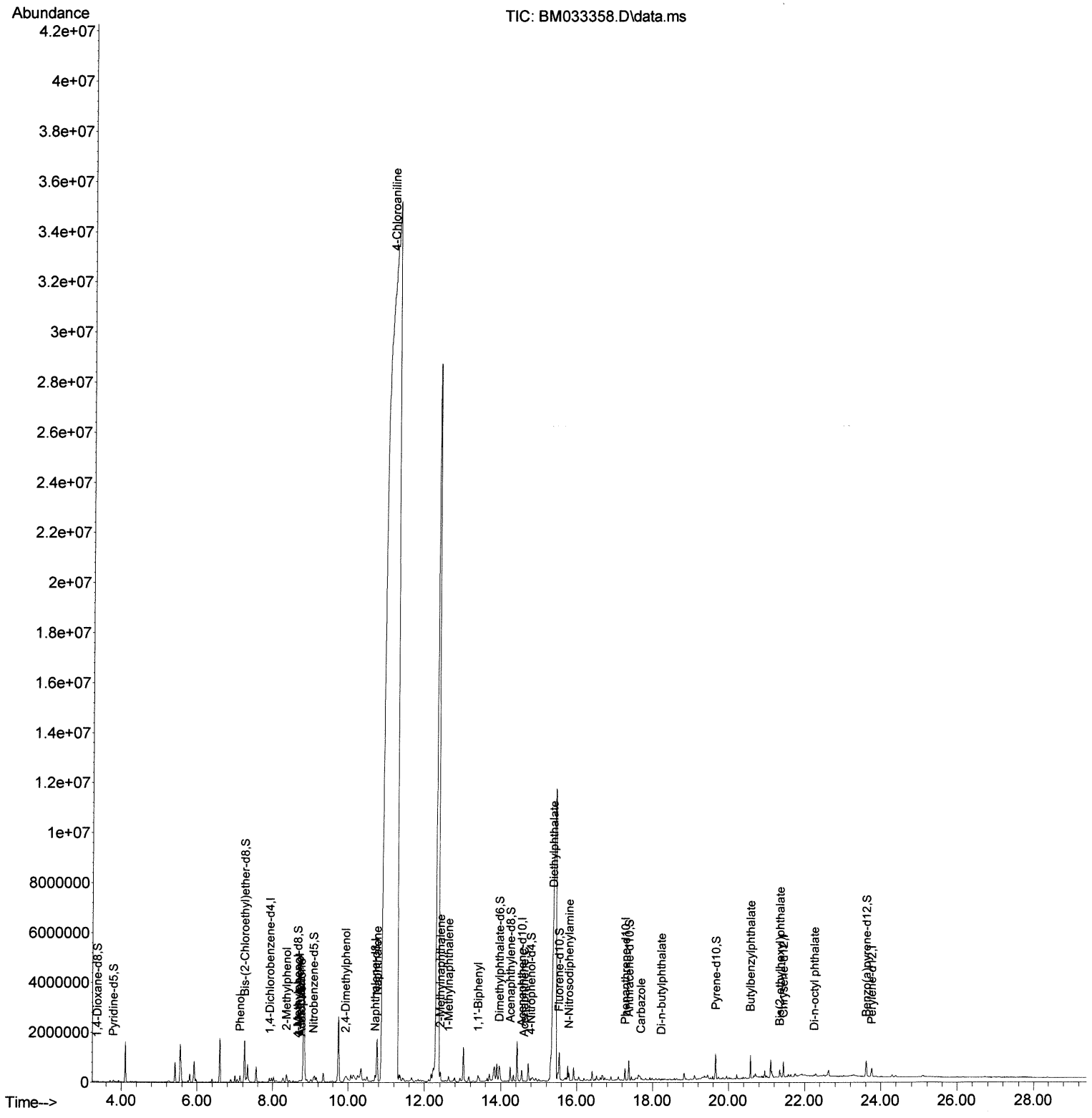
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021



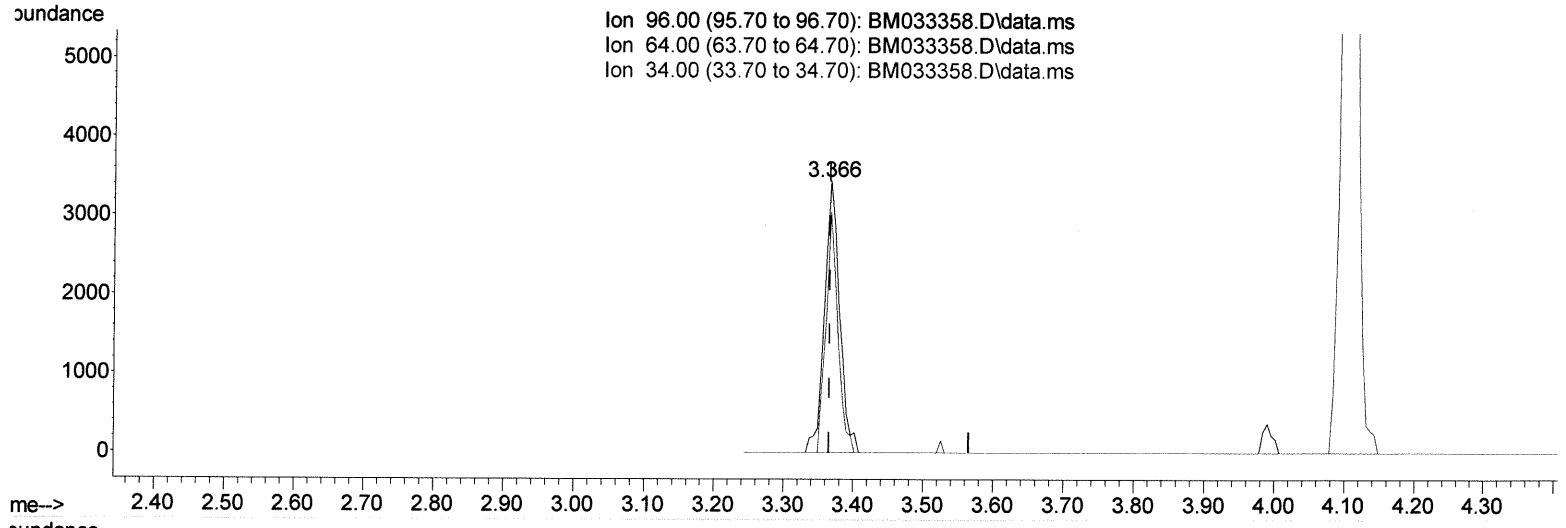
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

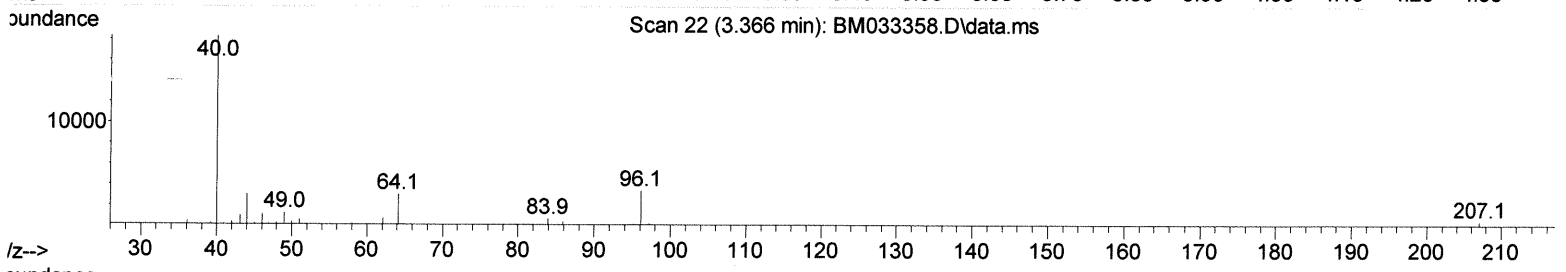
Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

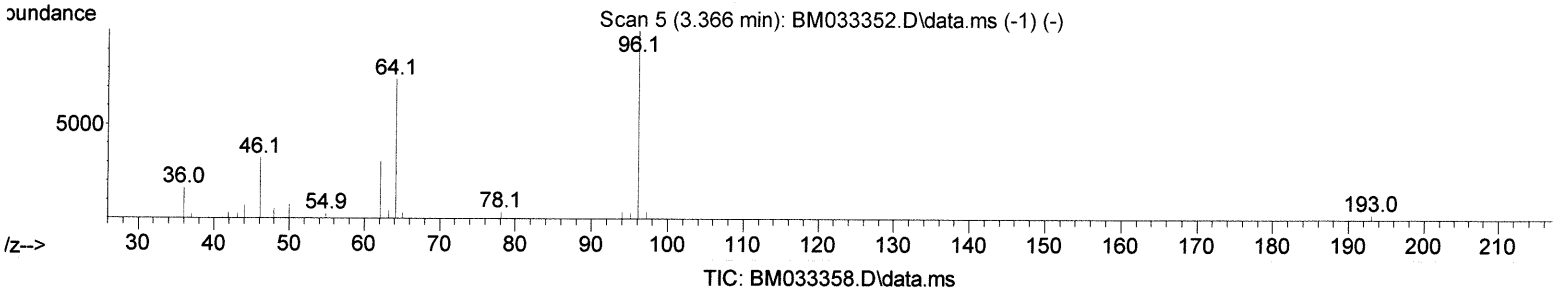
**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




TIC: BM033358.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.366min (+ 0.000) 4.80 ng/uL

response 5040

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.20 | 88.78 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

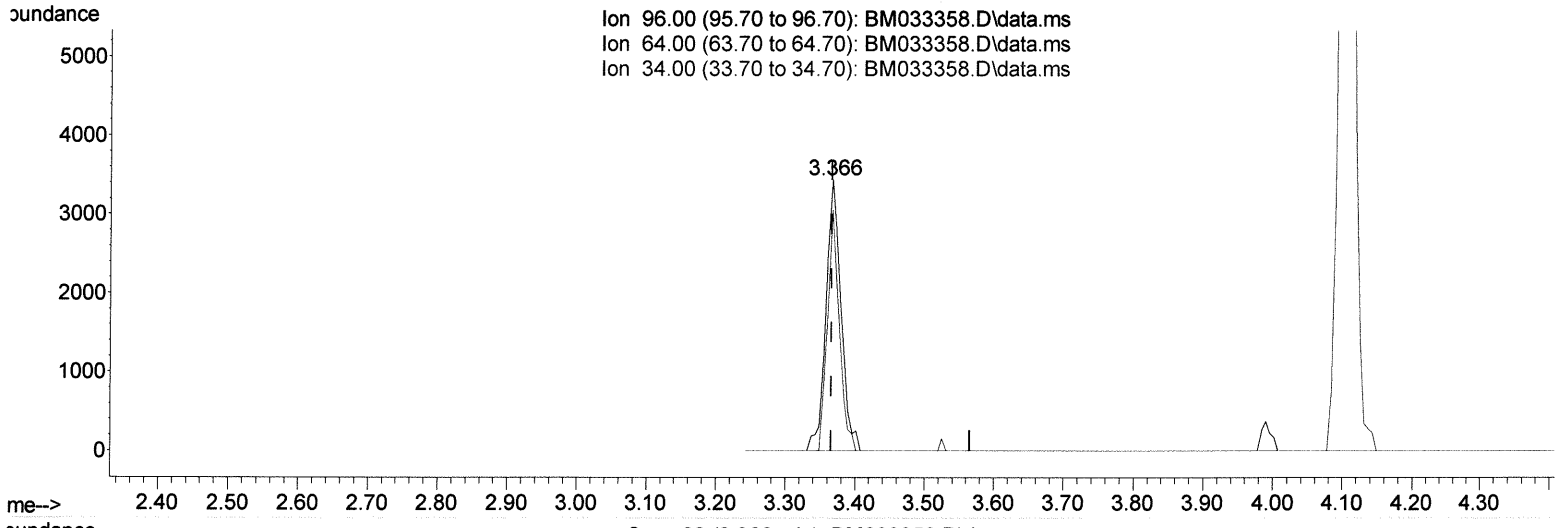
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

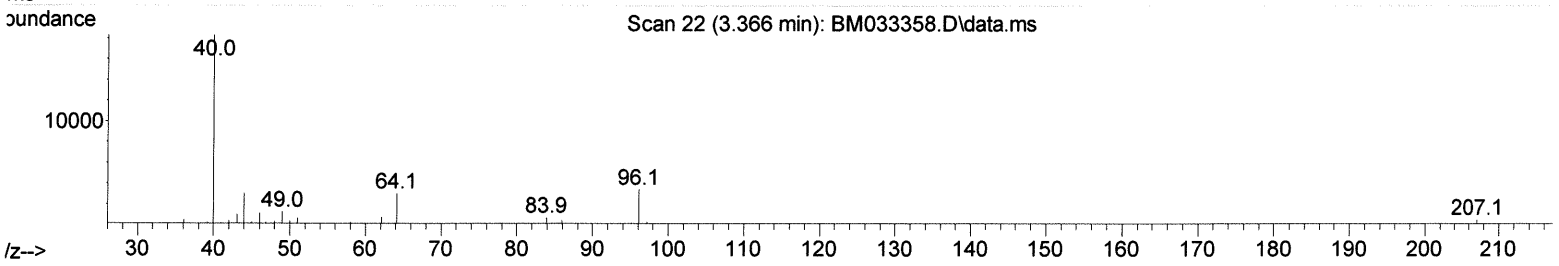
Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

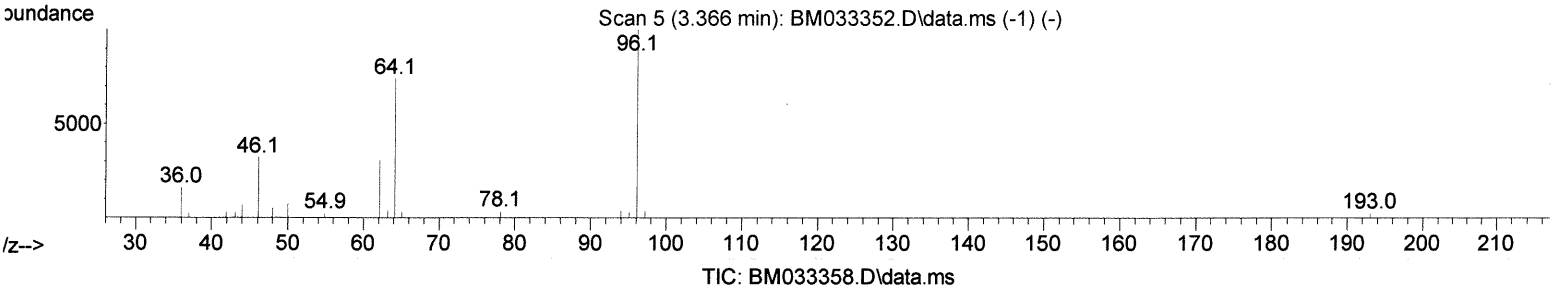
**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




TIC: BM033358.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.366min (+ 0.000) 4.93 ng/uL m

12/23/21

response 5174

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.20 | 88.78 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

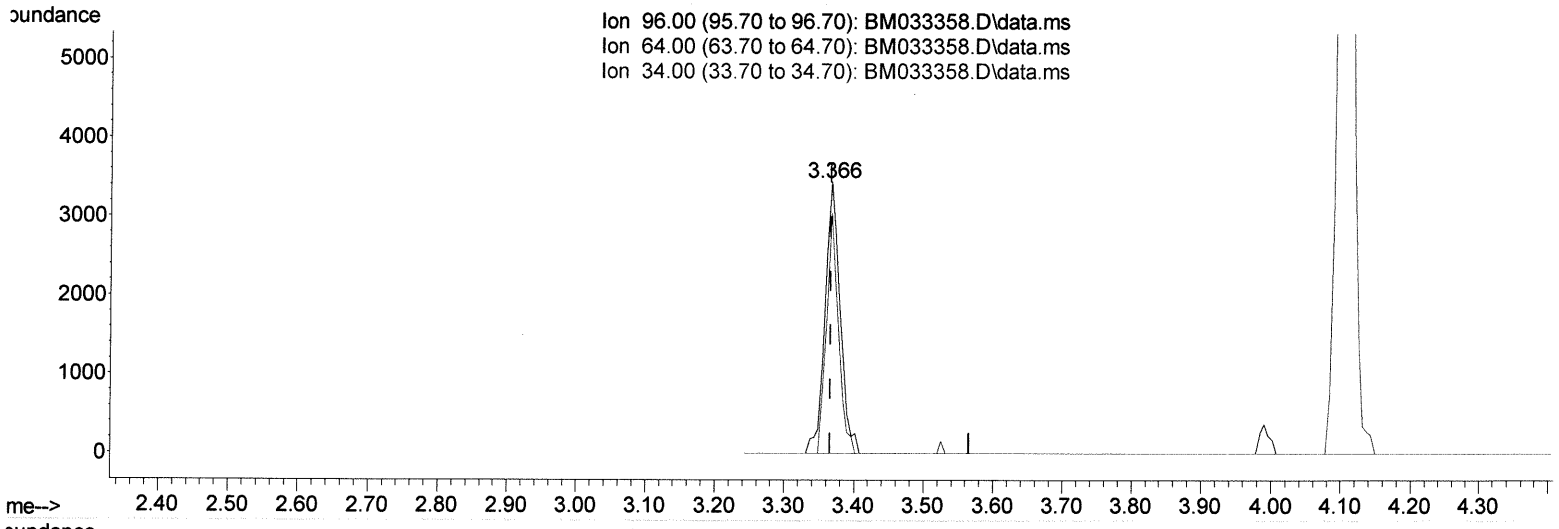
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

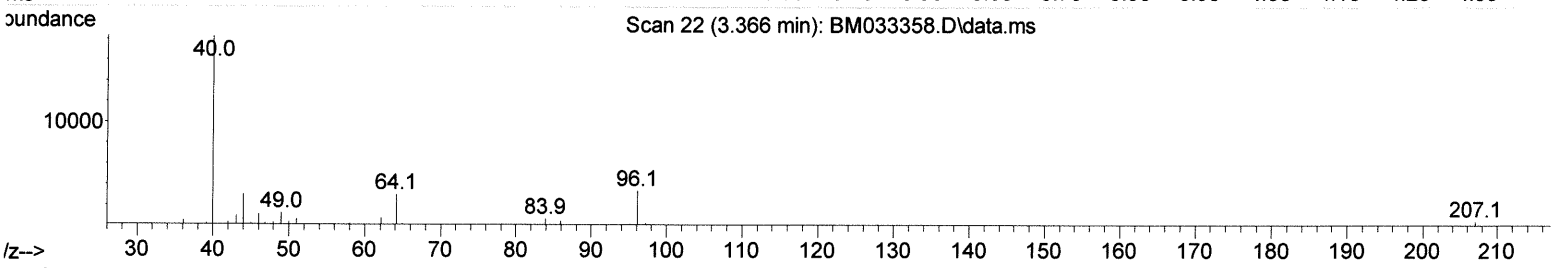
Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

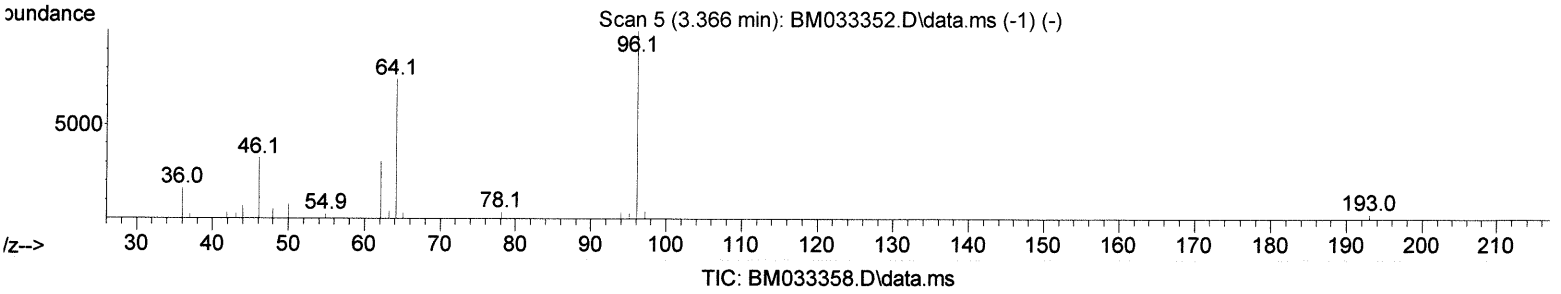
**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




TIC: BM033358.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.366min (+ 0.000) 4.93 ng/uL m

JH 12/28/21

response 5174

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.20 | 88.78 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

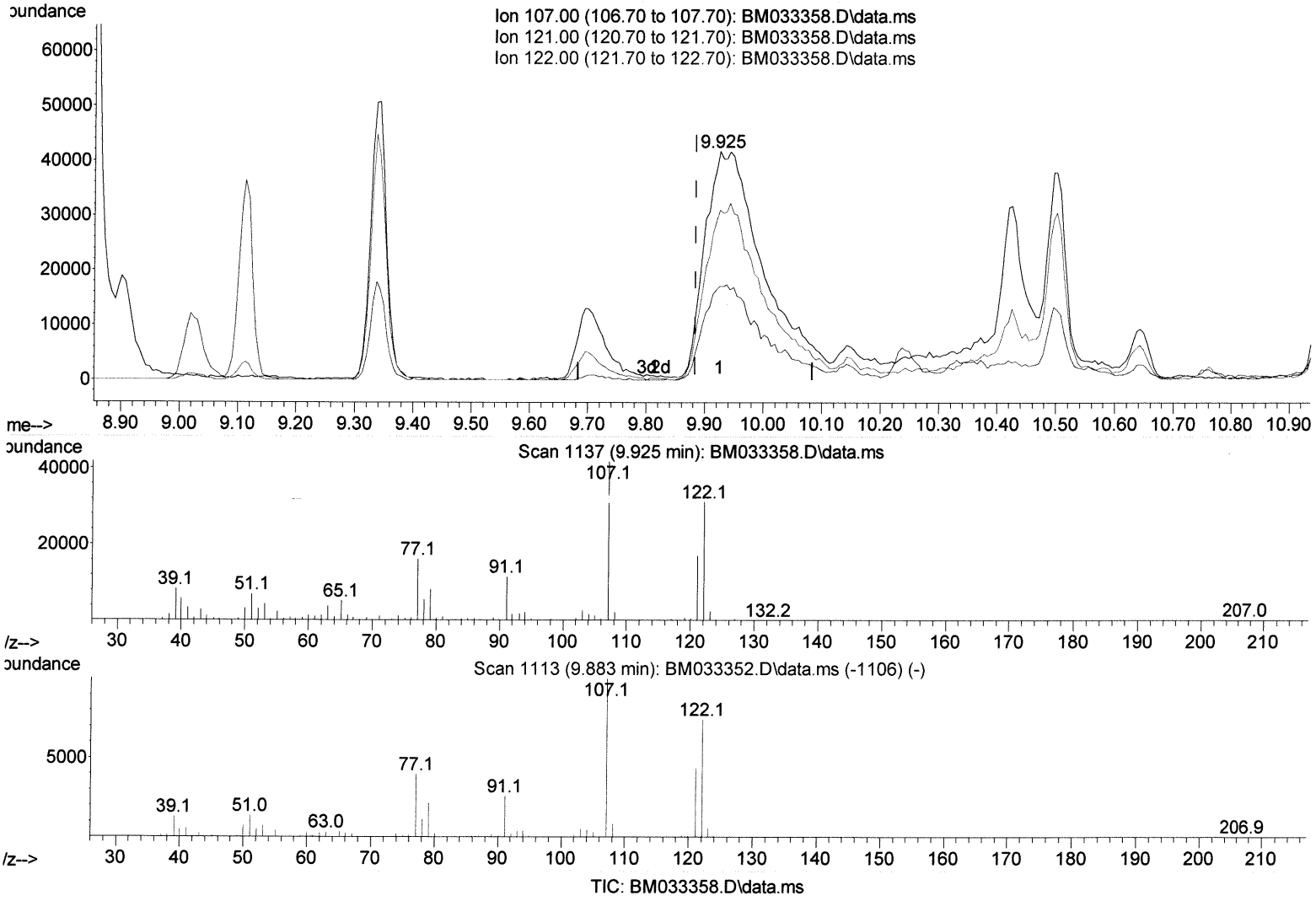
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




(26) 2,4-Dimethylphenol

9.925min (+ 0.041) 28.06 ng/ul

response 110814

| Ion | Exp% | Act% |
|---|---|---|
| 107.00 | 100.00 | 100.00 |
| 121.00 | 43.50 | 41.02 |
| 122.00 | 75.00 | 74.51 |
| 0.00 | 0.00 | 0.00 |

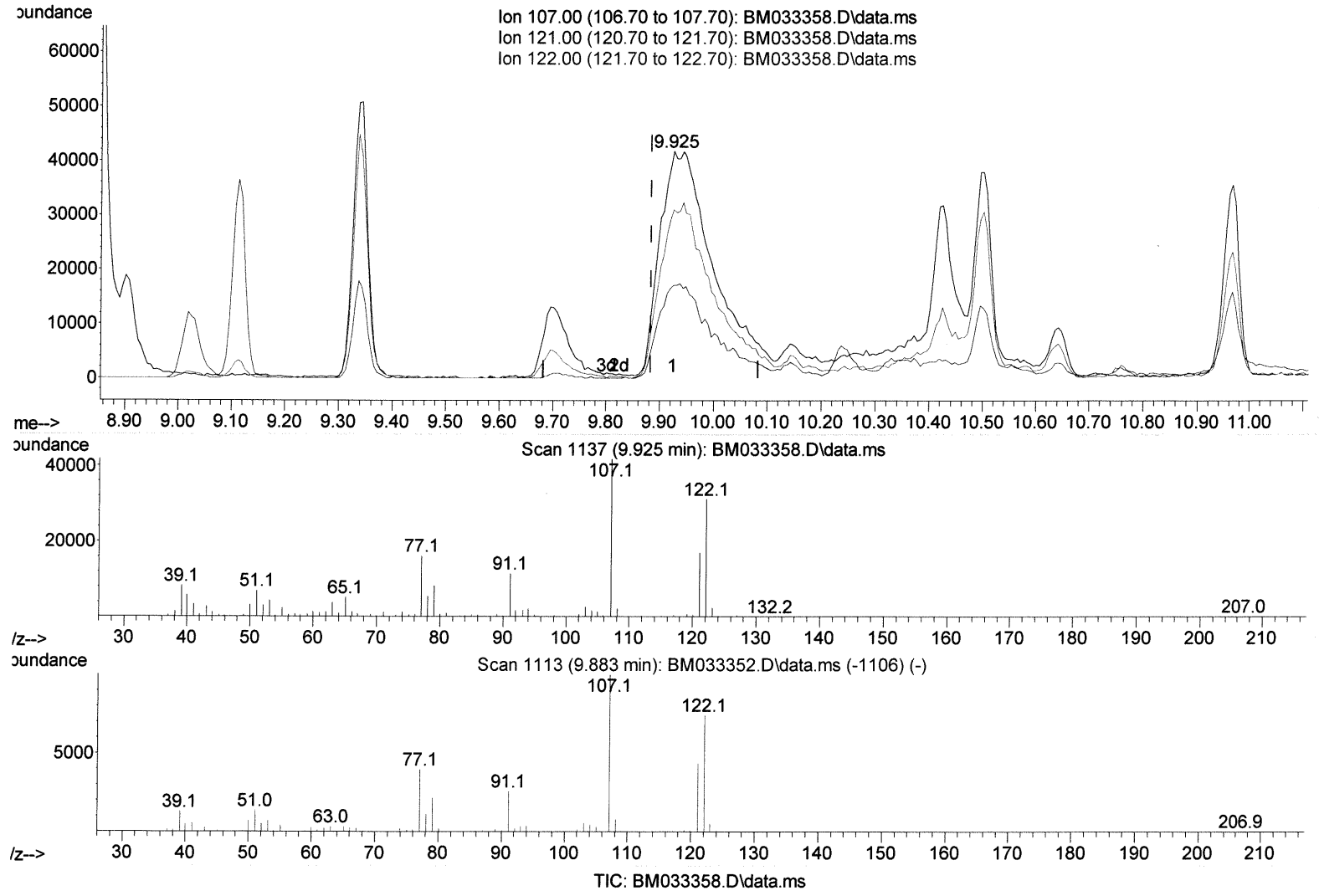
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




(26) 2,4-Dimethylphenol

9.925min (+ 0.041) 73.77 ng/ul m

response 291298

| Ion | Exp% | Act% |
|---|---|---|
| 107.00 | 100.00 | 100.00 |
| 121.00 | 43.50 | 41.02 |
| 122.00 | 75.00 | 74.51 |
| 0.00 | 0.00 | 0.00 |

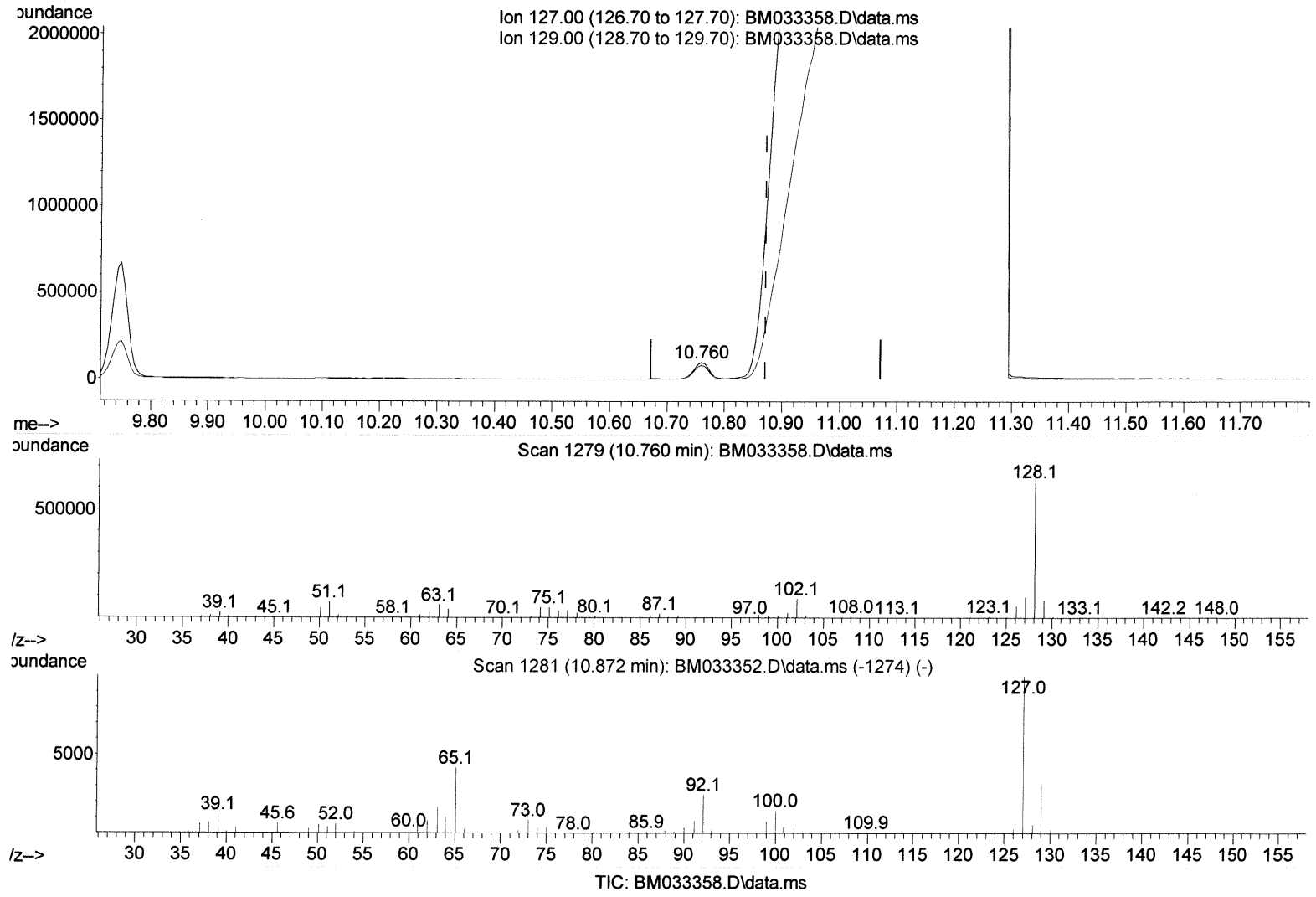
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




(32) 4-Chloroaniline

10.760min (-0.112) 39.94 ng/ul

response 172801

| Ion | Exp% | Act% |
|---|---|---|
| 127.00 | 100.00 | 100.00 |
| 129.00 | 31.70 | 84.37# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

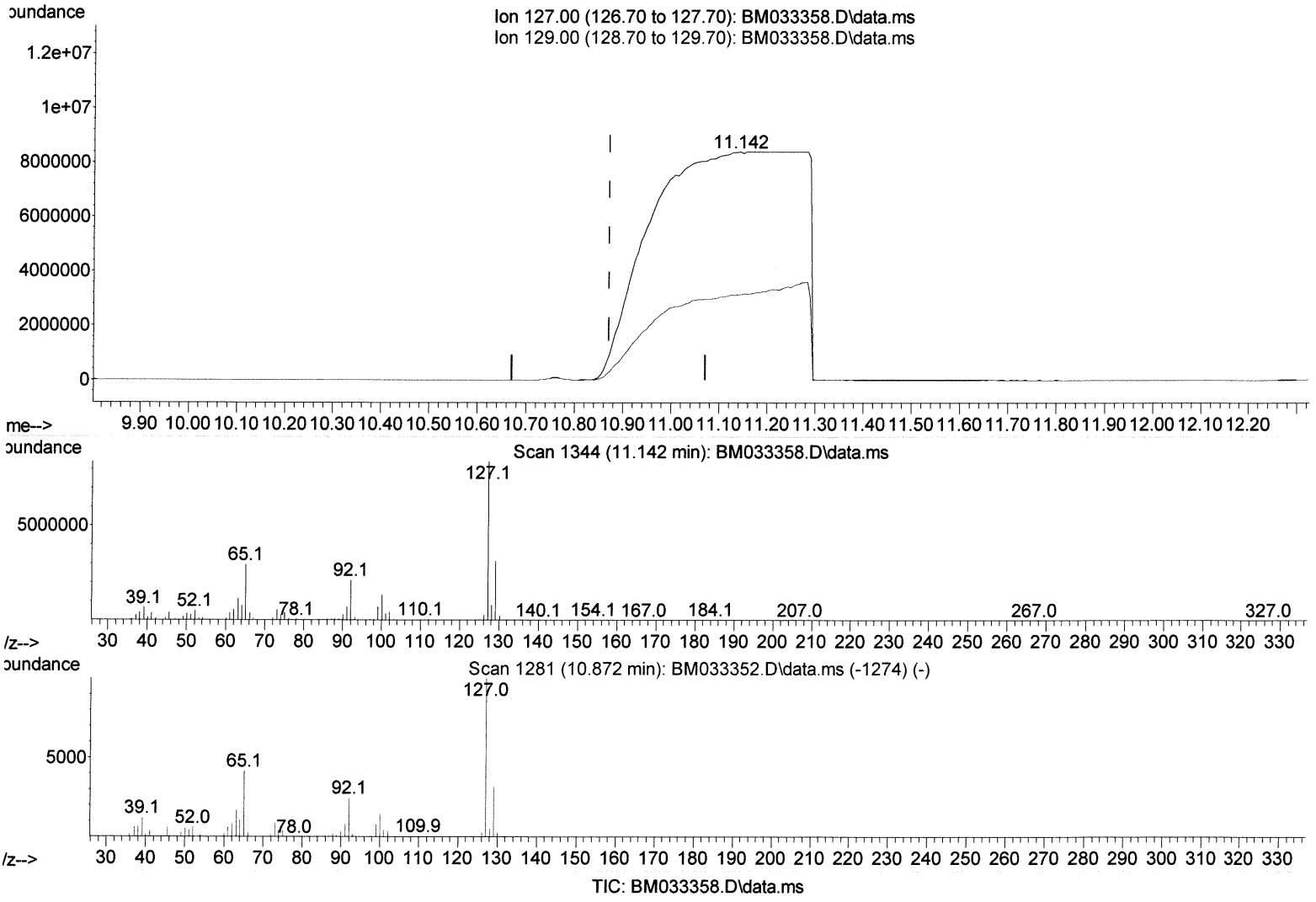
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




(32) 4-Chloroaniline

11.142min (+ 0.271) 41791.56 ng/ul m

response 180798211

12/12/2021

| Ion | Exp% | Act% |
|---|---|---|
| 127.00 | 100.00 | 100.00 |
| 129.00 | 31.70 | 37.44 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

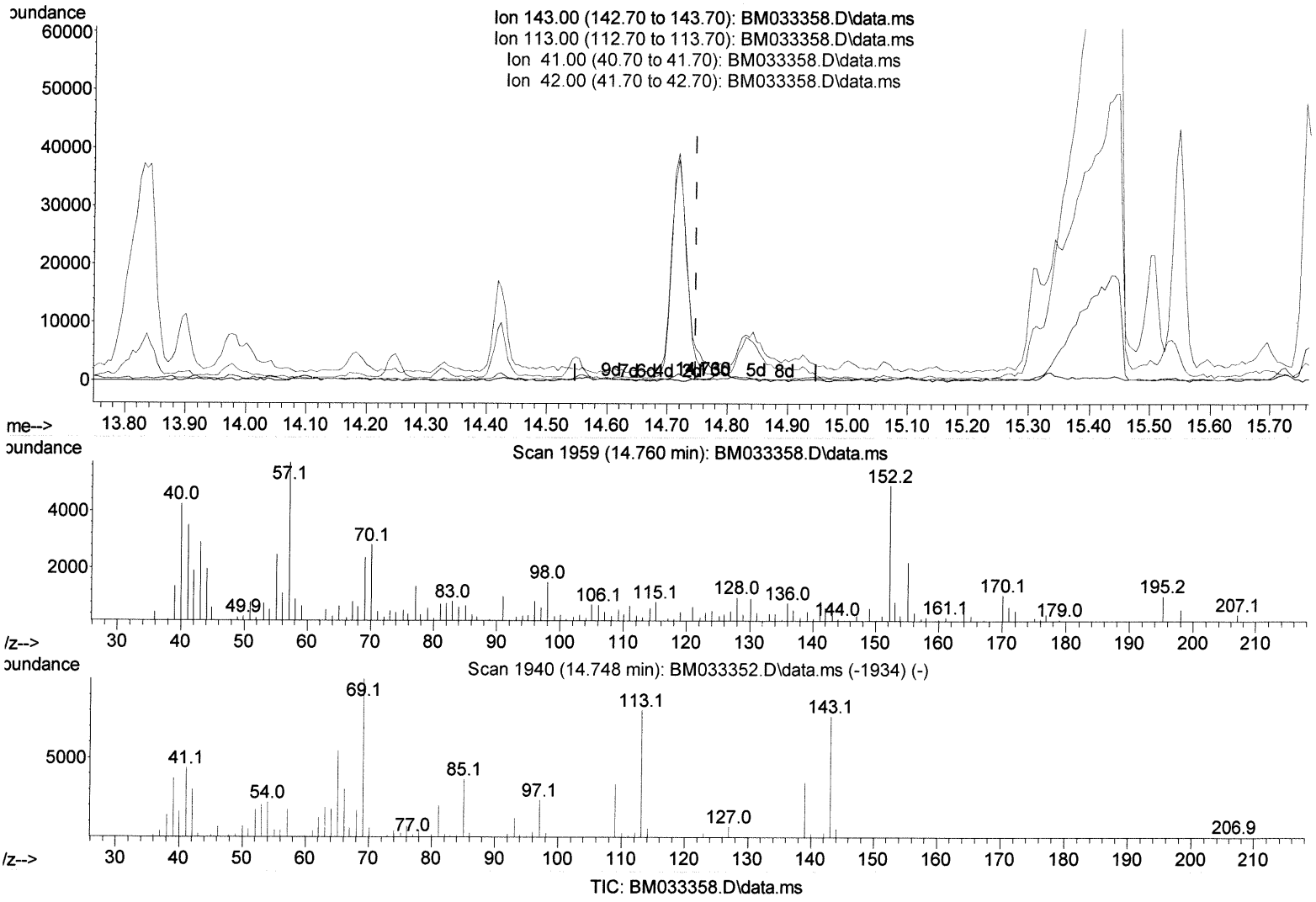
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




(54) 4-Nitrophenol-d4 (S)

14.760min (+ 0.012) 0.10 ng/ul

response 173

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 105.00 | 75.63# |
| 41.00 | 57.20 | 978.43# |
| 42.00 | 39.50 | 531.09# |

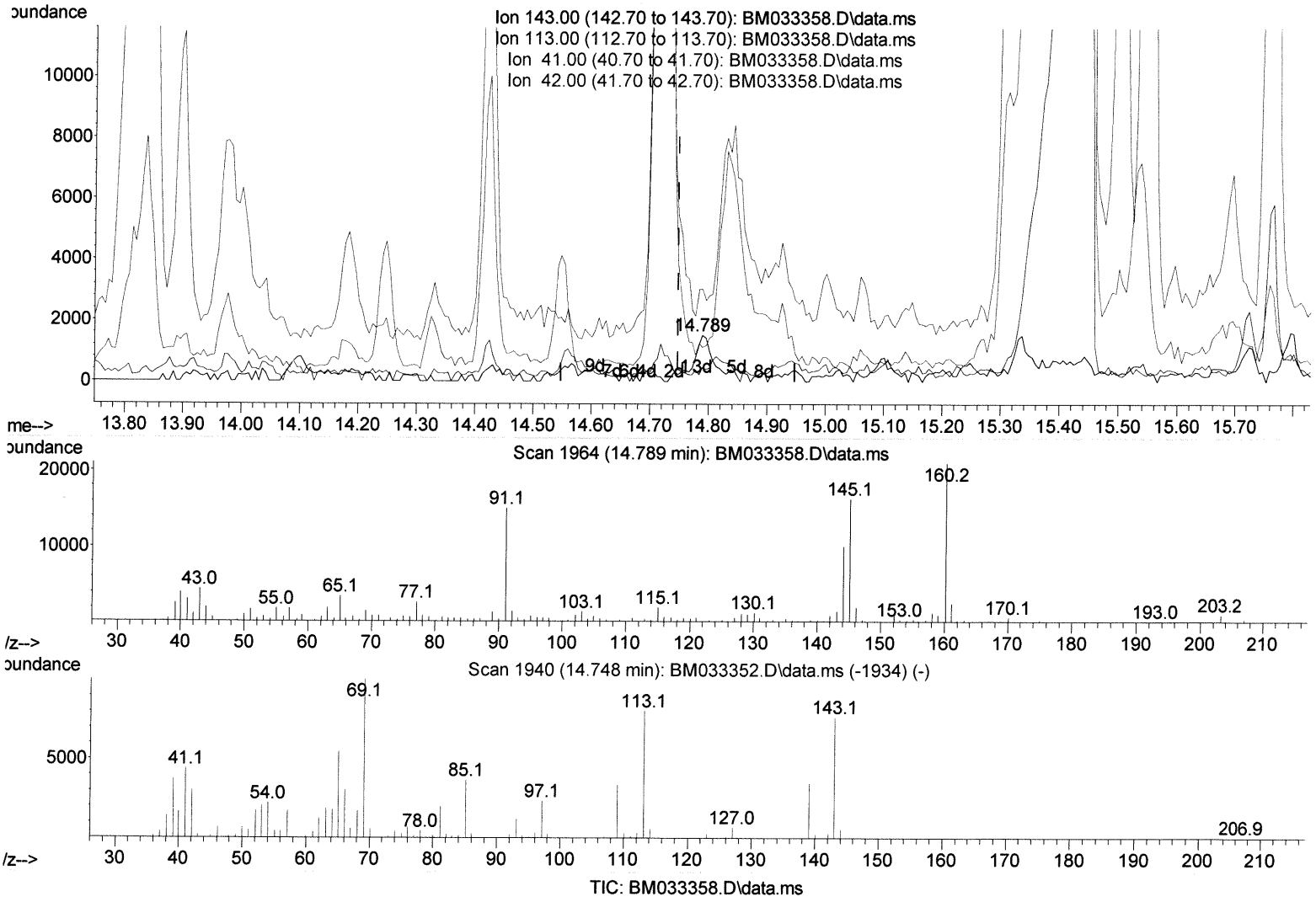
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




(54) 4-Nitrophenol-d4 (S)

14.789min (+ 0.041) 1.53 ng/ul m

JU 12/20/21

response 2660

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 105.00 | 30.22# |
| 41.00 | 57.20 | 199.87# |
| 42.00 | 39.50 | 74.39# |

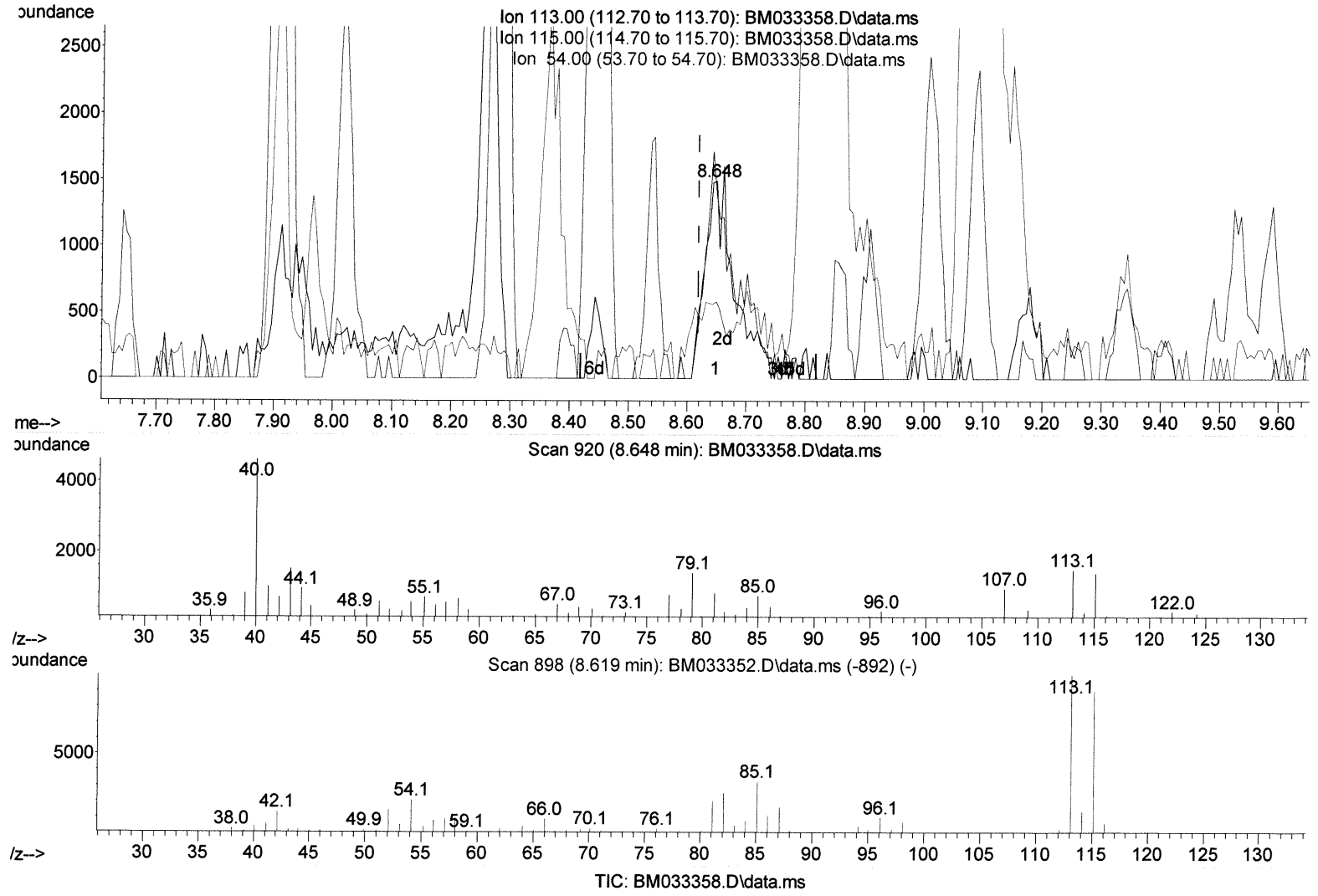
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




(15) 4-Methylphenol-d8 (S)

8.648min (+ 0.030) 0.90 ng/ul

response 2628

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 115.00 | 90.10 | 93.03 |
| 54.00 | 20.70 | 38.81# |
| 0.00 | 0.00 | 0.00 |

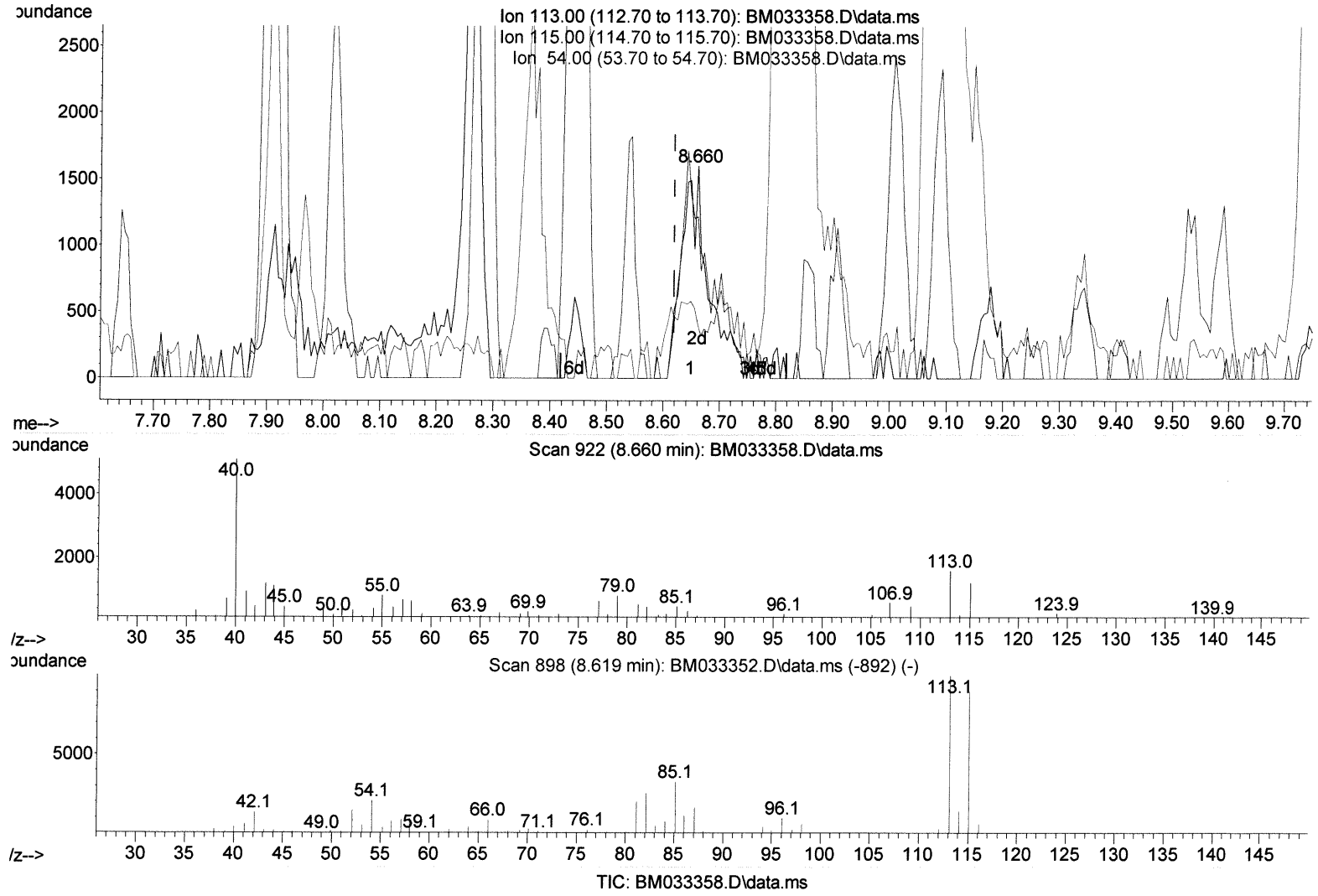
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




(15) 4-Methylphenol-d8 (S)

8.660min (+ 0.041) 1.83 ng/ul m

response 5348

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 115.00 | 90.10 | 76.13 |
| 54.00 | 20.70 | 25.62# |
| 0.00 | 0.00 | 0.00 |

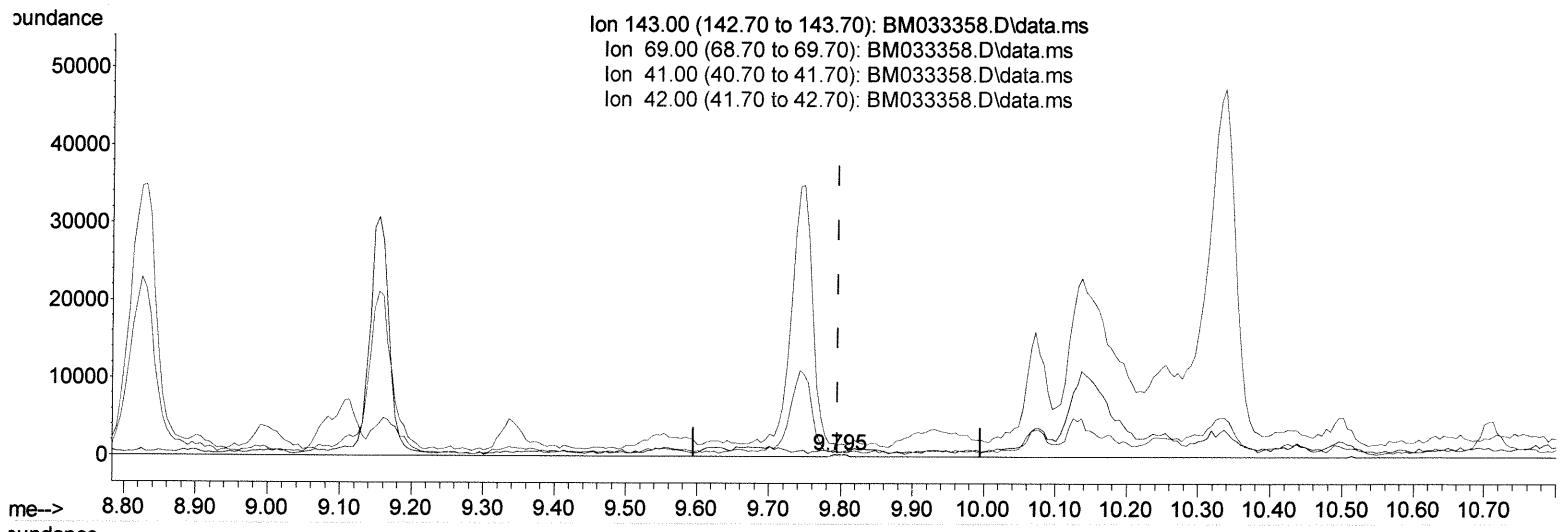
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

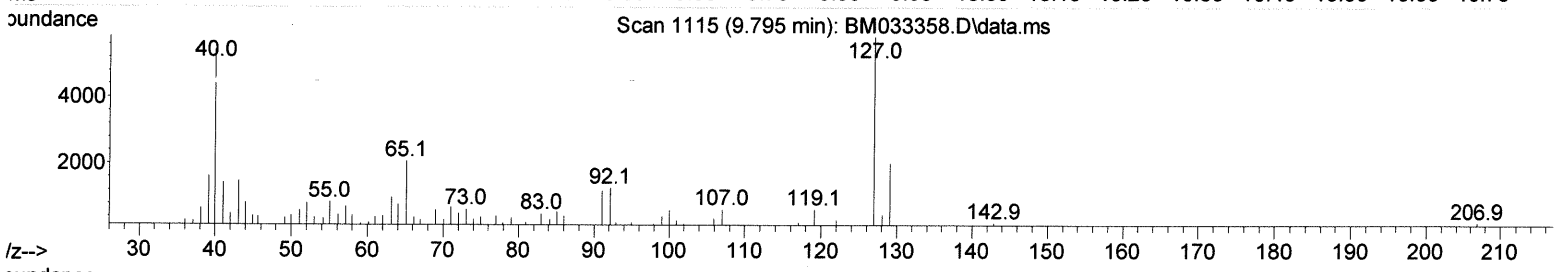
Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

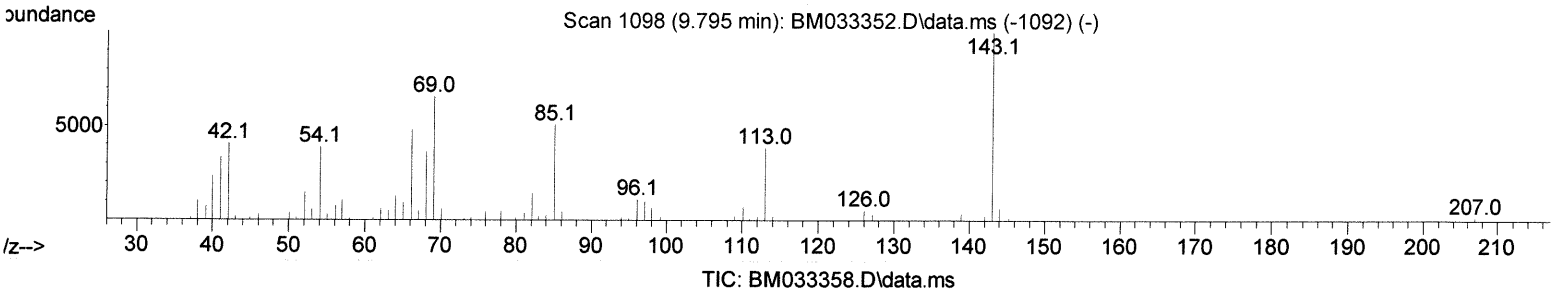
**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




TIC: BM033358.D\data.ms

(24) 2-Nitrophenol-d4 (S)

9.795min (+ 0.000) 0.14 ng/ul

response 212

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100.00 | 100.00 |
| 69.00 | 66.50 | 278.24# |
| 41.00 | 33.60 | 663.43# |
| 42.00 | 40.60 | 230.56# |

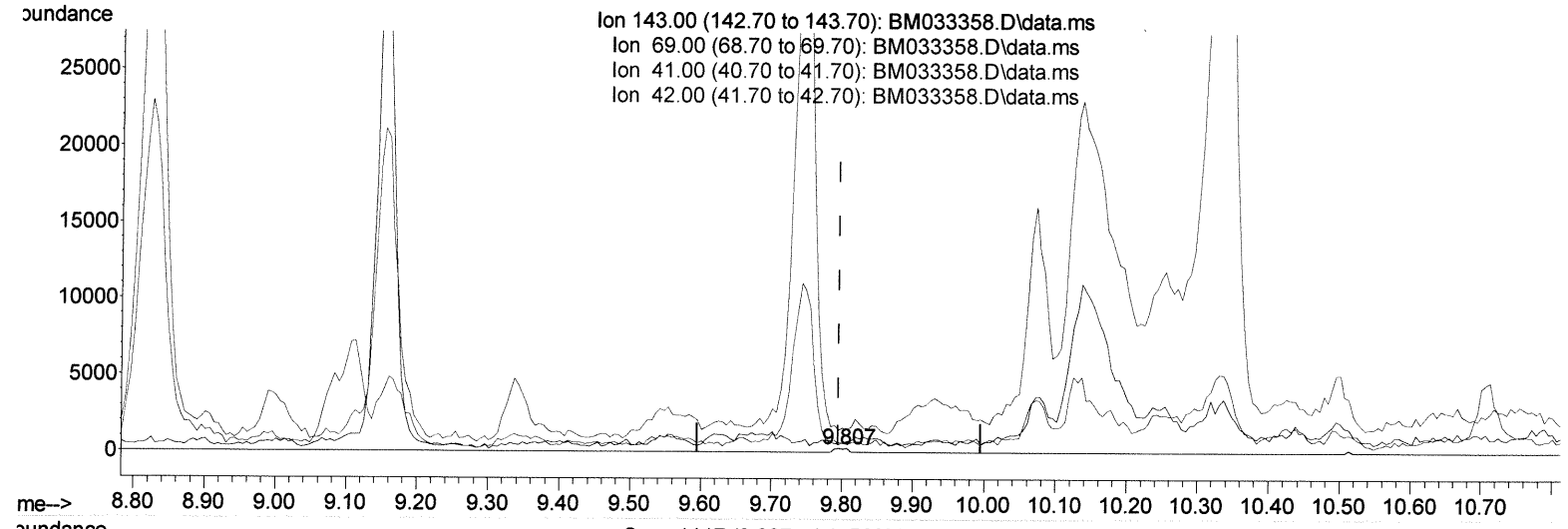
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

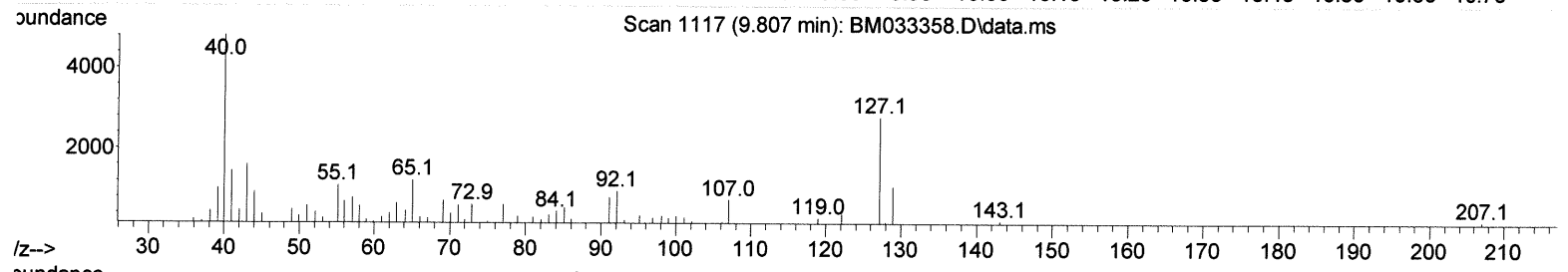
Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

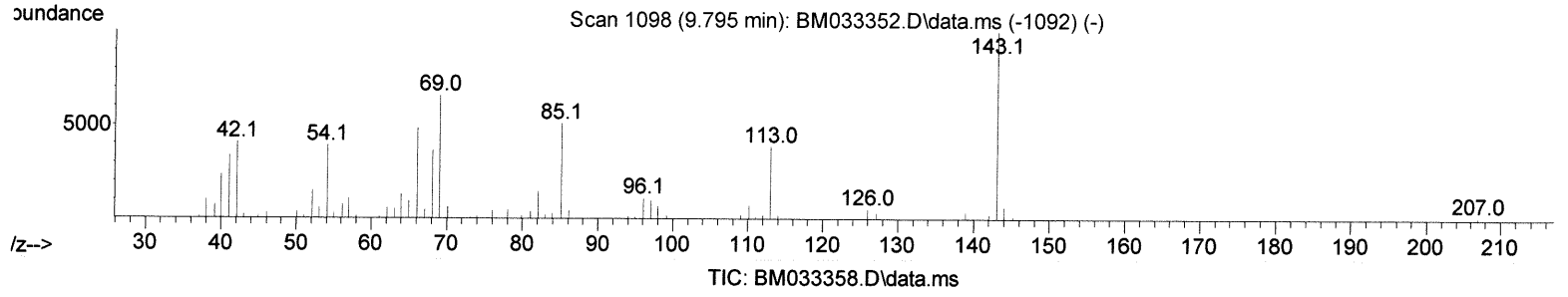
**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021




TIC: BM033358.D\data.ms

(24) 2-Nitrophenol-d4 (S)

9.807min (+ 0.012) 0.19 ng/ul m

response 289

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100.00 | 100.00 |
| 69.00 | 66.50 | 325.69# |
| 41.00 | 33.60 | 662.39# |
| 42.00 | 40.60 | 212.84# |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
Data File : BM033358.D
Acq On : 09 Dec 2021 15:00
Operator : CG/JU
Sample : M4960-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 13:25:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGKS4

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.913 | 152 | 39463 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.707 | 136 | 184537 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.548 | 164 | 128022 | 20.000 | ng/ul | 0.01 |
| 64) Phenanthrene-d10 | 17.277 | 188 | 269906 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.436 | 240 | 241307 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.759 | 264 | 226648 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.366 | 96 | 5174m | 4.927 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.790 | 84 | 30701 | 10.083 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.095 | 99 | 1150 | 0.308 | ng/ul | 0.01 |
| 9) Bis-(2-Chloroethyl)eth... | 7.248 | 67 | 120584 | 49.290 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.448 | 132 | 307 | 0.117 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.660 | 113 | 5348m | 1.828 | ng/ul | 0.04 |
| 21) Nitrobenzene-d5 | 9.084 | 128 | 43602 | 29.119 | ng/ul | 0.01 |
| 24) 2-Nitrophenol-d4 | 9.807 | 143 | 289m | 0.188 | ng/ul | 0.01 |
| 28) 2,4-Dichlorophenol-d3 | 0.000 | 165 | 0 | 0.000 | ng/ul | |
| 31) 4-Chloroaniline-d4 | 10.819 | 131 | 4169 | 0.969 | ng/ul | -0.03 |
| 46) Dimethylphthalate-d6 | 13.960 | 166 | 310396 | 32.450 | ng/ul | 0.02 |
| 49) Acenaphthylene-d8 | 14.248 | 160 | 381893 | 32.206 | ng/ul | 0.02 |
| 54) 4-Nitrophenol-d4 | 14.789 | 143 | 2660m | 1.532 | ng/ul | 0.04 |
| 60) Fluorene-d10 | 15.536 | 176 | 259765 | 30.360 | ng/ul | 0.01 |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0 | 0.000 | ng/ul | |
| 73) Anthracene-d10 | 17.371 | 188 | 414197 | 31.051 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.659 | 212 | 464988 | 34.478 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.612 | 264 | 397466 | 32.354 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 8) Phenol | 7.125 | 94 | 60786 | 15.792 | ng/ul | 93 |
| 13) 2-Methylphenol | 8.366 | 108 | 107223 | 38.423 | ng/ul | 97 |
| 16) Acetophenone | 8.760 | 105 | 38997 | 8.049 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.707 | 108 | 25623 | 8.392 | ng/ul# | 48 |
| 26) 2,4-Dimethylphenol | 9.925 | 107 | 291298m | 73.765 | ng/ul | |
| 30) Naphthalene | 10.760 | 128 | 1300823 | 126.494 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.142 | 127 | 180798211m | 41791.565 | ng/ul | |
| 36) 2-Methylnaphthalene | 12.407 | 142 | 174330 | 24.997 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.624 | 142 | 79589 | 10.981 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.395 | 154 | 25066 | 2.559 | ng/ul# | 92 |
| 52) Acenaphthene | 14.613 | 153 | 9431 | 1.151 | ng/ul | 93 |
| 59) Diethylphthalate | 15.371 | 149 | 248735 | 25.233 | ng/ul# | 91 |
| 67) N-Nitrosodiphenylamine | 15.795 | 169 | 112715 | 14.203 | ng/ul | 98 |
| 77) Carbazole | 17.683 | 167 | 29423 | 2.062 | ng/ul | 95 |
| 78) Di-n-butylphthalate | 18.230 | 149 | 36170 | 2.259 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.577 | 149 | 249798 | 39.185 | ng/ul | 92 |
| 86) Bis(2-ethylhexyl)phtha... | 21.342 | 149 | 114107 | 12.454 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.247 | 149 | 37434 | 2.253 | ng/ul | 100 |

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