

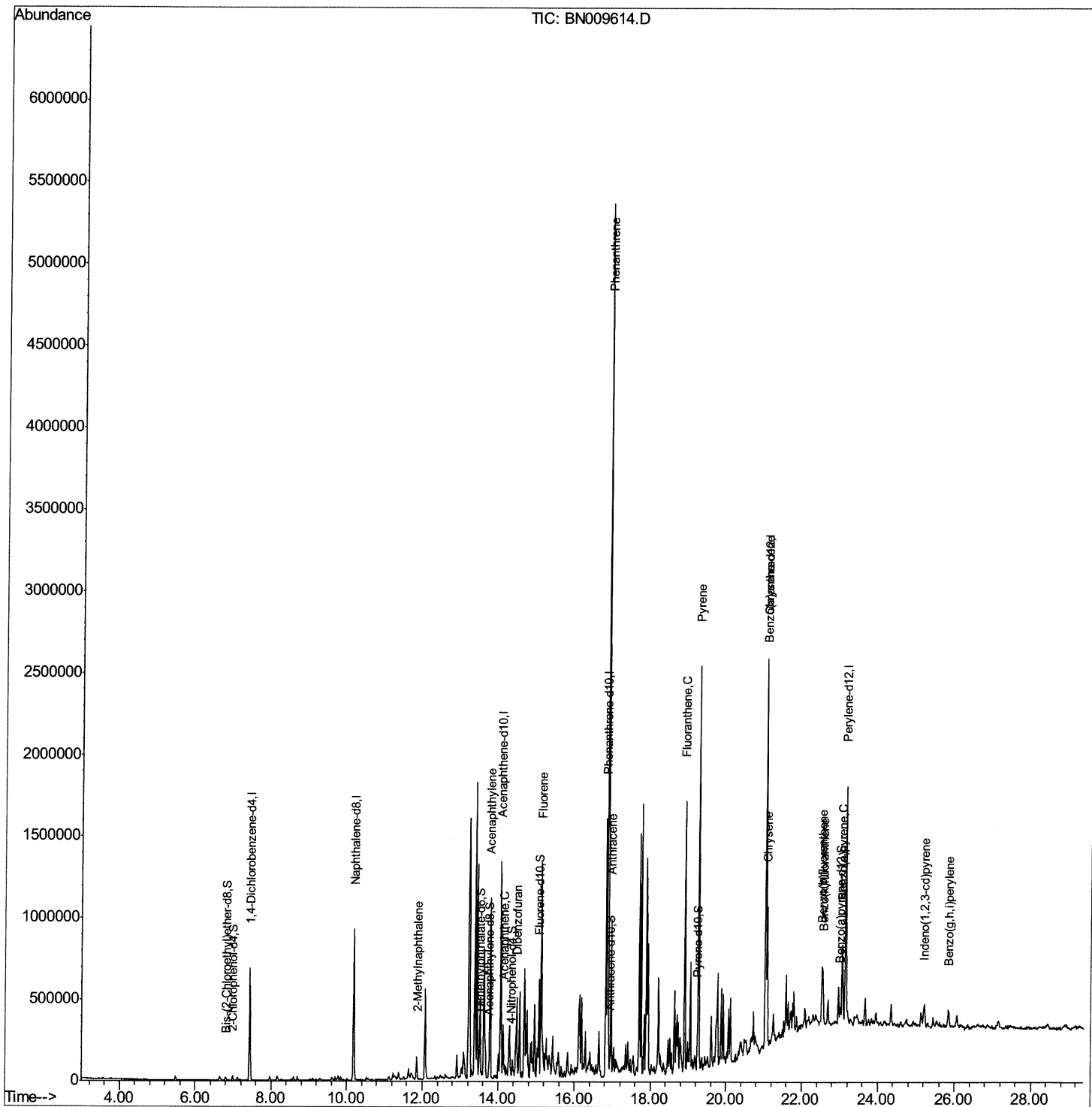
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
Data File : BN009614.D  
Acq On : 06 Feb 2020 17:59  
Operator : CG/JU  
Sample : L1323-03DL 10X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAT43DL

Manual Integrations  
APPROVED

mohammad  
2/10/2020 8:19:21 AM

Quant Time: Feb 06 22:47:07 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Feb 03 16:39:56 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

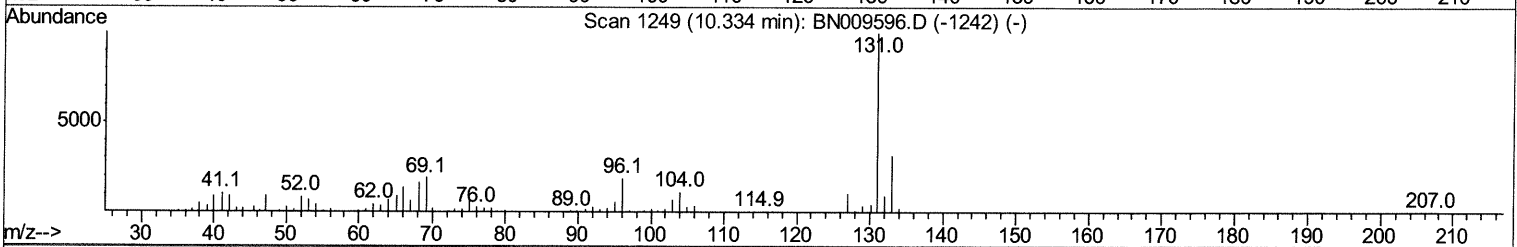
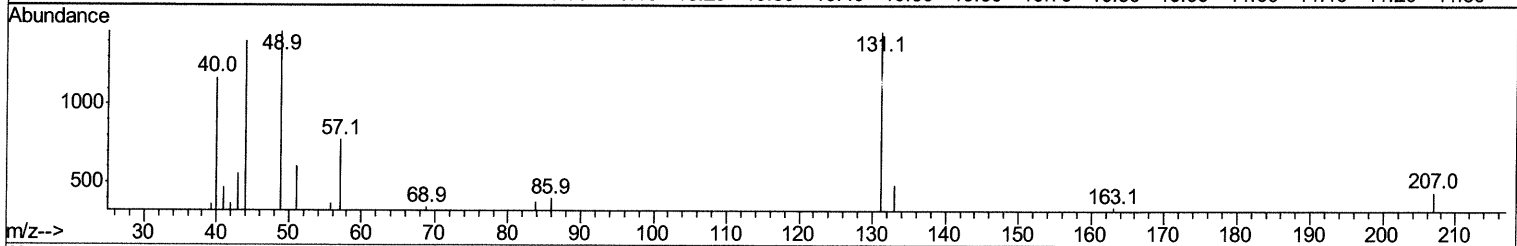
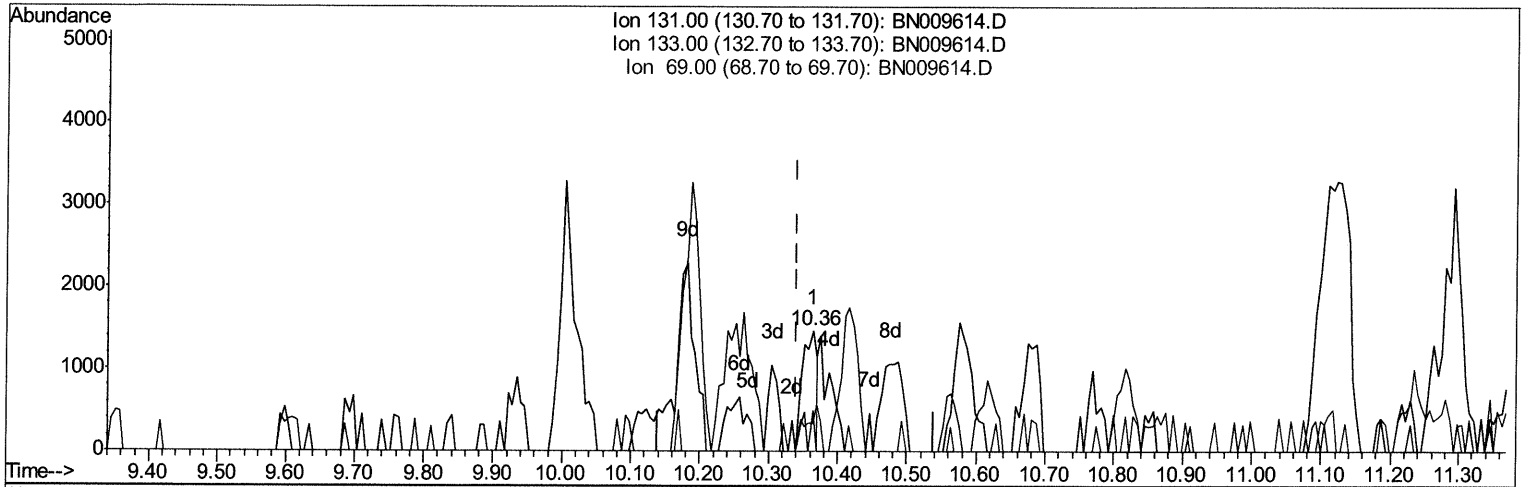
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
 Data File : BN009614.D  
 Acq On : 06 Feb 2020 17:59  
 Operator : CG/JU  
 Sample : L1323-03DL 10X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 GAT43DL

**Manual Integrations**  
**APPROVED**

mohammad  
 2/10/2020 8:19:21 AM

Quant Time: Feb 06 21:09:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 16:39:56 2020  
 Response via : Initial Calibration



TIC: BN009614.D

(29) 4-Chloroaniline-d4 (S)

10.363min (+0.024) 0.19ng/ul

response 2130

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 32.50 | 33.17 |
| 69.00  | 21.00 | 23.48 |
| 0.00   | 0.00  | 0.00  |

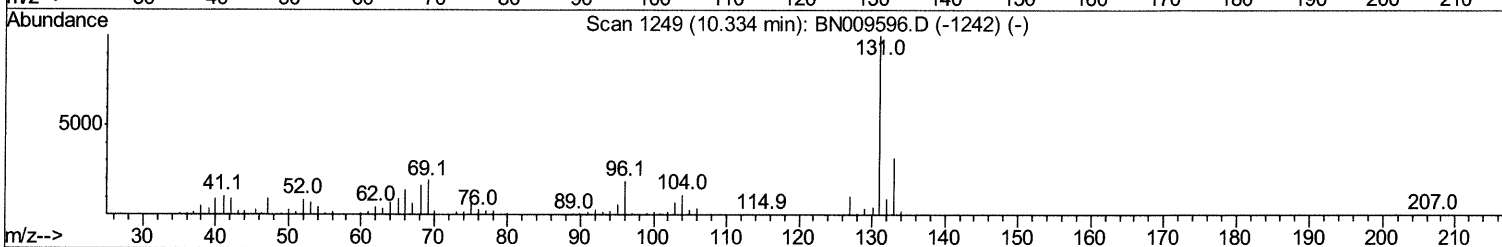
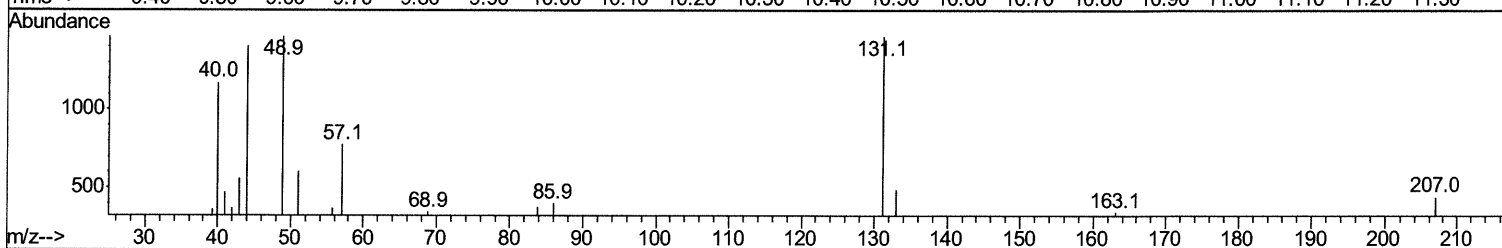
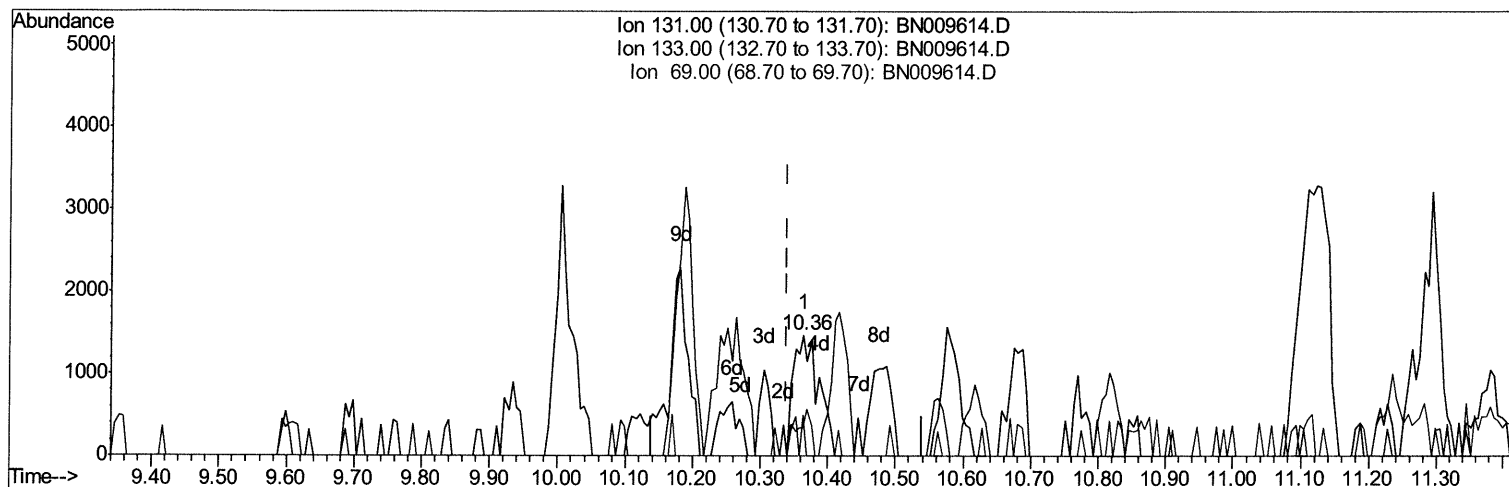
```
Data Path   : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
Data File  : BN009614.D  
Acq On     : 06 Feb 2020   17:59  
Operator   : CG/JU  
Sample     : L1323-03DL 10X  
Misc      :  
ALS Vial   : 9      Sample Multiplier: 1
```

**Instrument :**  
BNA\_N  
**ClientSampleId :**  
GAT43DL

## Manual Integrations

mohammad  
2/10/2020 8:19:21 AM

Quant Time: Feb 06 21:09:36 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Feb 03 16:39:56 2020  
Response via : Initial Calibration



TIC: BN009614.D

(29) 4-Chloroaniline-d4 (S)

10.363min (+0.024) 0.34ng/ul m JU 02/13/20

response 3762

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 32.50 | 33.17 |
| 69.00  | 21.00 | 23.48 |
| 0.00   | 0.00  | 0.00  |

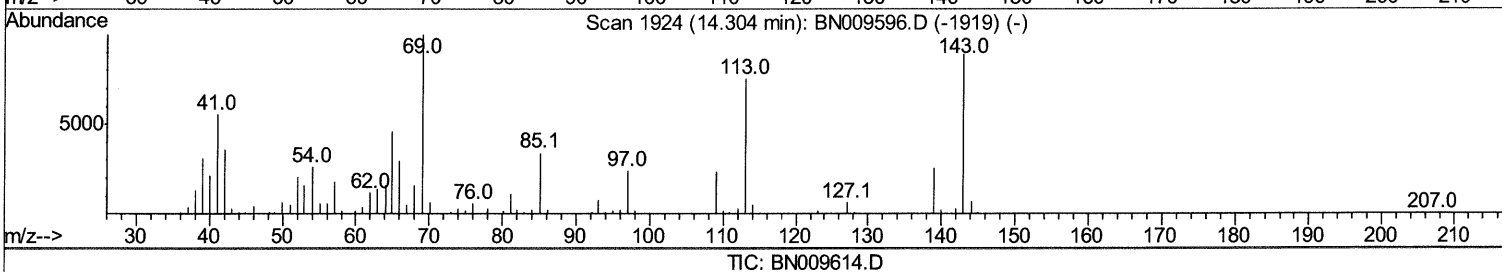
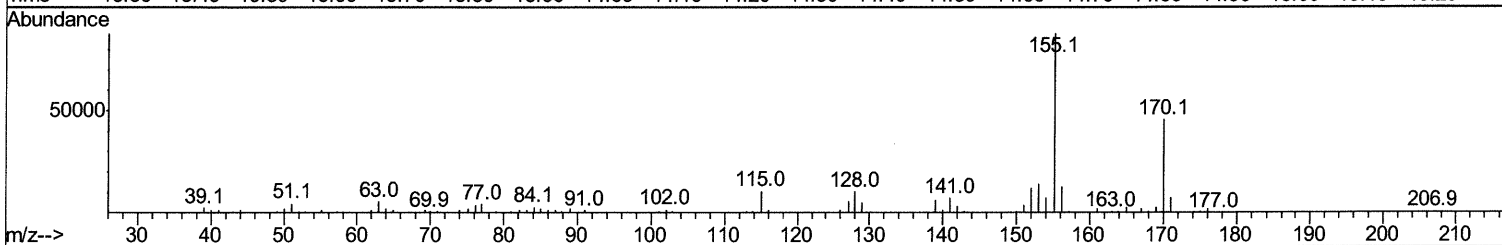
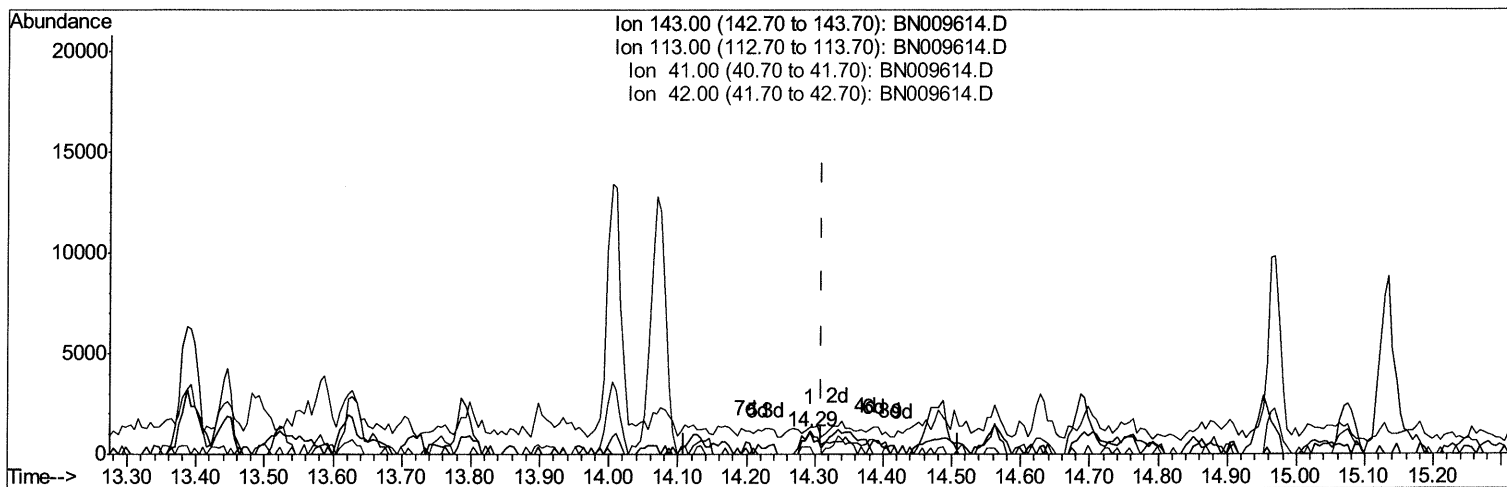
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020620\  
Data File : BN009614.D  
Acq On : 06 Feb 2020 17:59  
Operator : CG/JU  
Sample : L1323-03DL 10X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAT43DL

Manual Integrations  
APPROVED

mohammad  
2/10/2020 8:19:21 AM

Quant Time: Feb 06 21:09:36 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Feb 03 16:39:56 2020  
Response via : Initial Calibration



TIC: BN009614.D

(51) 4-Nitrophenol-d4 (S)

14.293min (-0.017) 0.27ng/ul

response 1509

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 77.90 | 104.45# |
| 41.00  | 65.40 | 120.91# |
| 42.00  | 43.30 | 30.25#  |

# Quantitation Report (Qedit)

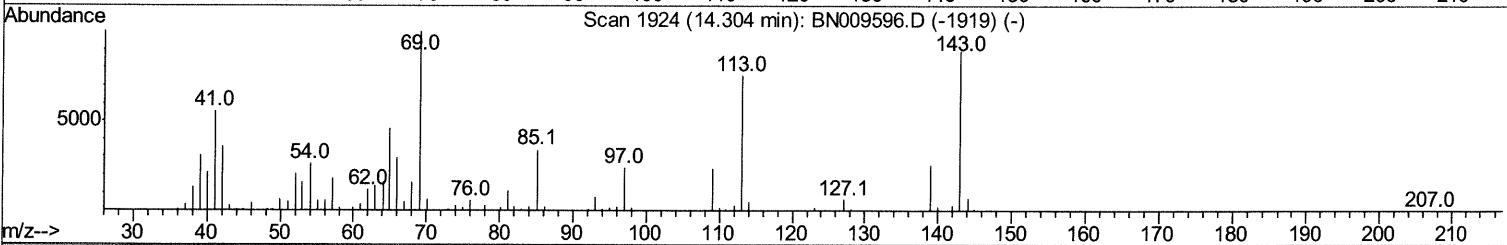
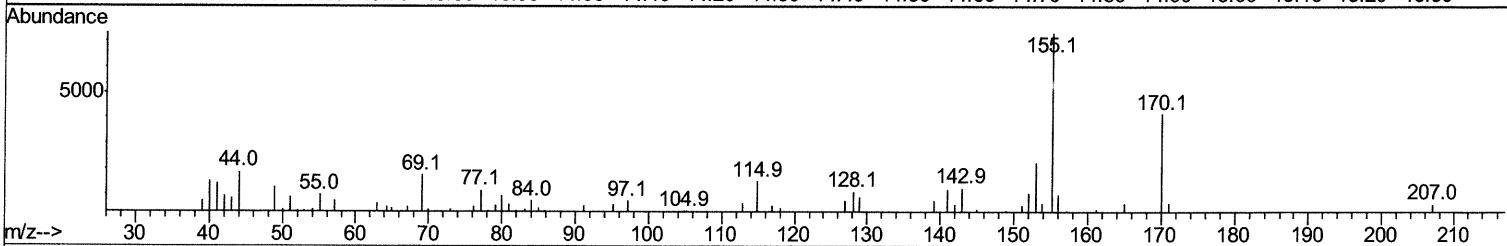
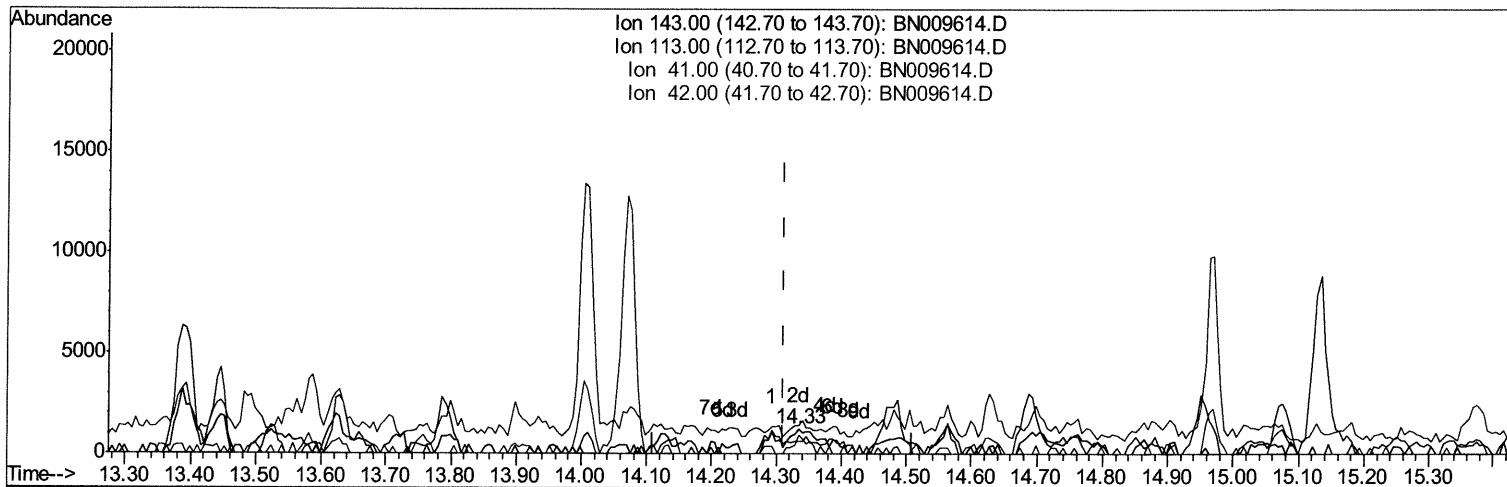
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
 Data File : BN009614.D  
 Acq On : 06 Feb 2020 17:59  
 Operator : CG/JU  
 Sample : L1323-03DL 10X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAT43DL

Manual Integrations  
 APPROVED

mohammad  
 2/10/2020 8:19:21 AM

Quant Time: Feb 06 21:09:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 16:39:56 2020  
 Response via : Initial Calibration



TIC: BN009614.D

(51) 4-Nitrophenol-d4 (S)

14.334min (+0.024) 1.09ng/ul m *Ju 02/13/20*

response 6187

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 77.90 | 50.69#  |
| 41.00  | 65.40 | 115.92# |
| 42.00  | 43.30 | 74.65#  |



# Quantitation Report (Qedit)

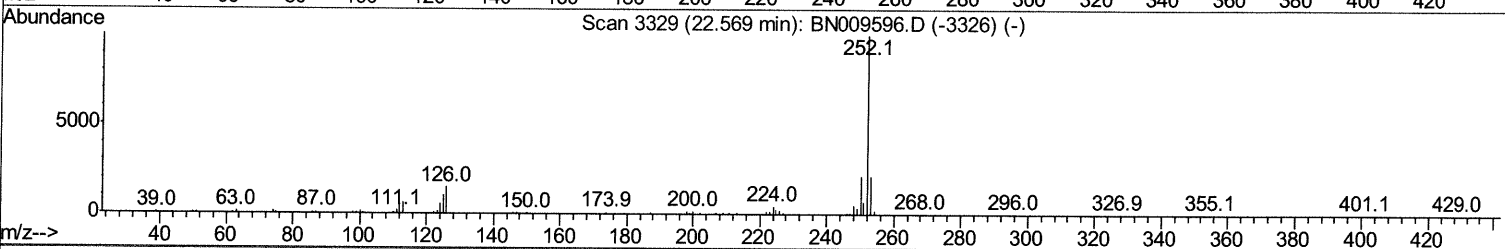
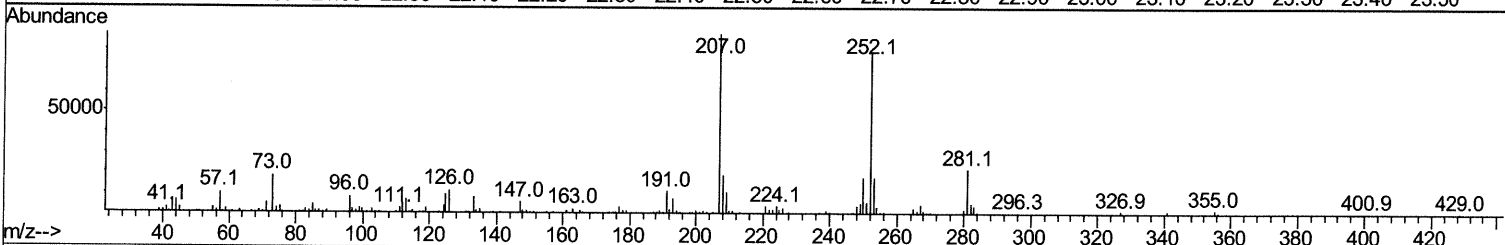
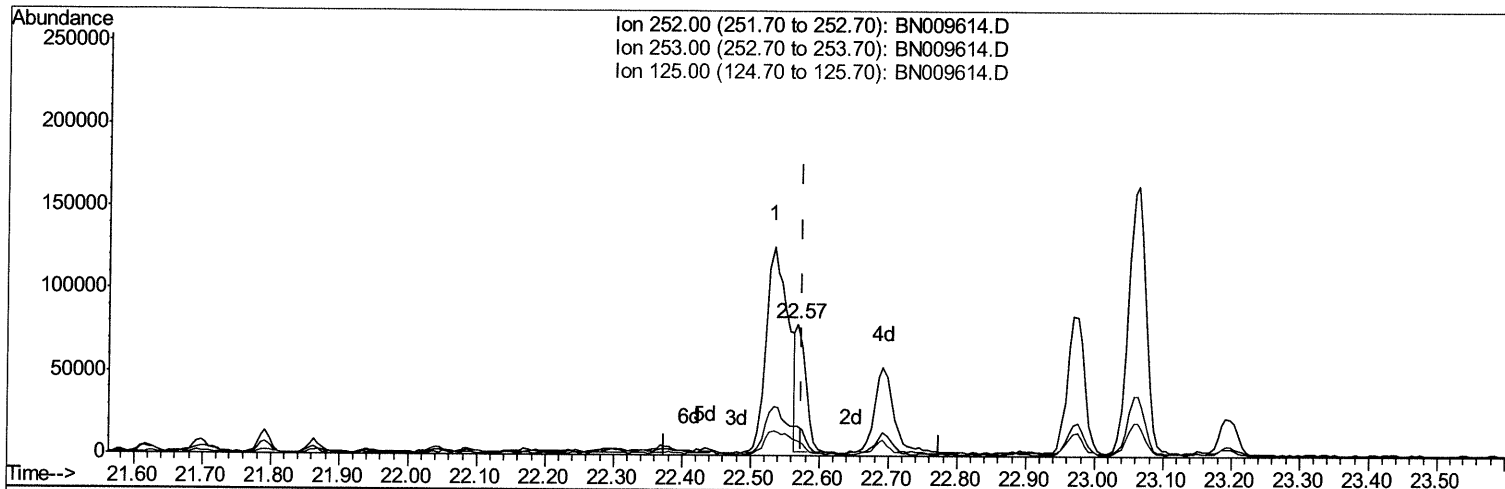
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
 Data File : BN009614.D  
 Acq On : 06 Feb 2020 17:59  
 Operator : CG/JU  
 Sample : L1323-03DL 10X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 GAT43DL

Manual Integrations  
 APPROVED

mohammad  
 2/10/2020 8:19:21 AM

Quant Time: Feb 06 21:09:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 16:39:56 2020  
 Response via : Initial Calibration



TIC: BN009614.D

(88) Benzo(k)fluoranthene

22.569min (-0.006) 1.36ng/ul m *Ju 02/13/20*

response 74250

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.20 | 22.49 |
| 125.00 | 10.00 | 11.51 |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020620\  
 Data File : BN009614.D  
 Acq On : 06 Feb 2020 17:59  
 Operator : CG/JU  
 Sample : L1323-03DL 10X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 GAT43DL

Manual Integrations  
 APPROVED

mohammad  
 2/10/2020 8:19:21 AM

Quant Time: Feb 06 22:47:07 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 16:39:56 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 158759   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.19 | 136  | 668637   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.07 | 164  | 412673   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 16.83 | 188  | 855557   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.04 | 240  | 794443   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.15 | 264  | 886703   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |       |
|--------------------------------|-------|-----|-------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.09  | 96  | 580   | 0.15 | ng/uL | 0.01  |
| 5) Phenol-d5                   | 6.65  | 99  | 13738 | 0.99 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.80  | 67  | 9721  | 1.05 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.98  | 132 | 11113 | 1.09 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.16  | 113 | 10033 | 0.91 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.59  | 128 | 4681  | 0.94 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.29  | 143 | 4986  | 0.90 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.84  | 165 | 9819  | 0.94 | ng/ul | 0.01  |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 3762m | 0.34 | ng/ul | 0.02  |
| 43) Dimethylphthalate-d6       | 13.50 | 166 | 39161 | 1.30 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.76 | 160 | 43128 | 1.18 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 14.33 | 143 | 6187m | 1.09 | ng/ul | 0.02  |
| 57) Fluorene-d10               | 15.07 | 176 | 37038 | 1.40 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 2846  | 0.53 | ng/ul | 0.01  |
| 70) Anthracene-d10             | 16.93 | 188 | 53949 | 1.39 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.23 | 212 | 58300 | 1.40 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.02 | 264 | 60048 | 1.38 | ng/ul | 0.00  |

JU 02/13/20

JU 02/13/20

## Target Compounds

|                            |       |     |         |        | Ovalue    |
|----------------------------|-------|-----|---------|--------|-----------|
| 34) 2-Methylnaphthalene    | 11.86 | 142 | 62922   | 2.480  | ng/ul 98  |
| 47) Acenaphthylene         | 13.79 | 152 | 594556  | 14.926 | ng/ul 98  |
| 49) Acenaphthene           | 14.14 | 153 | 100669  | 3.717  | ng/ul 97  |
| 53) Dibenzofuran           | 14.47 | 168 | 74332   | 1.971  | ng/ul# 82 |
| 58) Fluorene               | 15.13 | 166 | 594548  | 18.866 | ng/ul 99  |
| 69) Phenanthrene           | 16.87 | 178 | 3104604 | 63.630 | ng/ul 100 |
| 71) Anthracene             | 16.96 | 178 | 550954  | 11.129 | ng/ul 99  |
| 76) Fluoranthene           | 18.90 | 202 | 828048  | 14.870 | ng/ul 99  |
| 79) Pvrene                 | 19.26 | 202 | 1400335 | 24.146 | ng/ul 96  |
| 82) Benzo(a)anthracene     | 21.03 | 228 | 477727  | 8.709  | ng/ul# 76 |
| 84) Chrysene               | 21.07 | 228 | 422417  | 7.736  | ng/ul 94  |
| 87) Benzo(b)fluoranthene   | 22.53 | 252 | 283412  | 5.109  | ng/ul 95  |
| 88) Benzo(k)fluoranthene   | 22.57 | 252 | 74250m  | 1.359  | ng/ul     |
| 90) Benzo(a)pyrene         | 23.06 | 252 | 286173  | 5.568  | ng/ul 95  |
| 91) Indeno(1,2,3-cd)pyrene | 25.21 | 276 | 107510  | 1.759  | ng/ul 94  |
| 93) Benzo(a,h,i)perylene   | 25.83 | 276 | 99330   | 1.939  | ng/ul 99  |

JU 02/13/20

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