

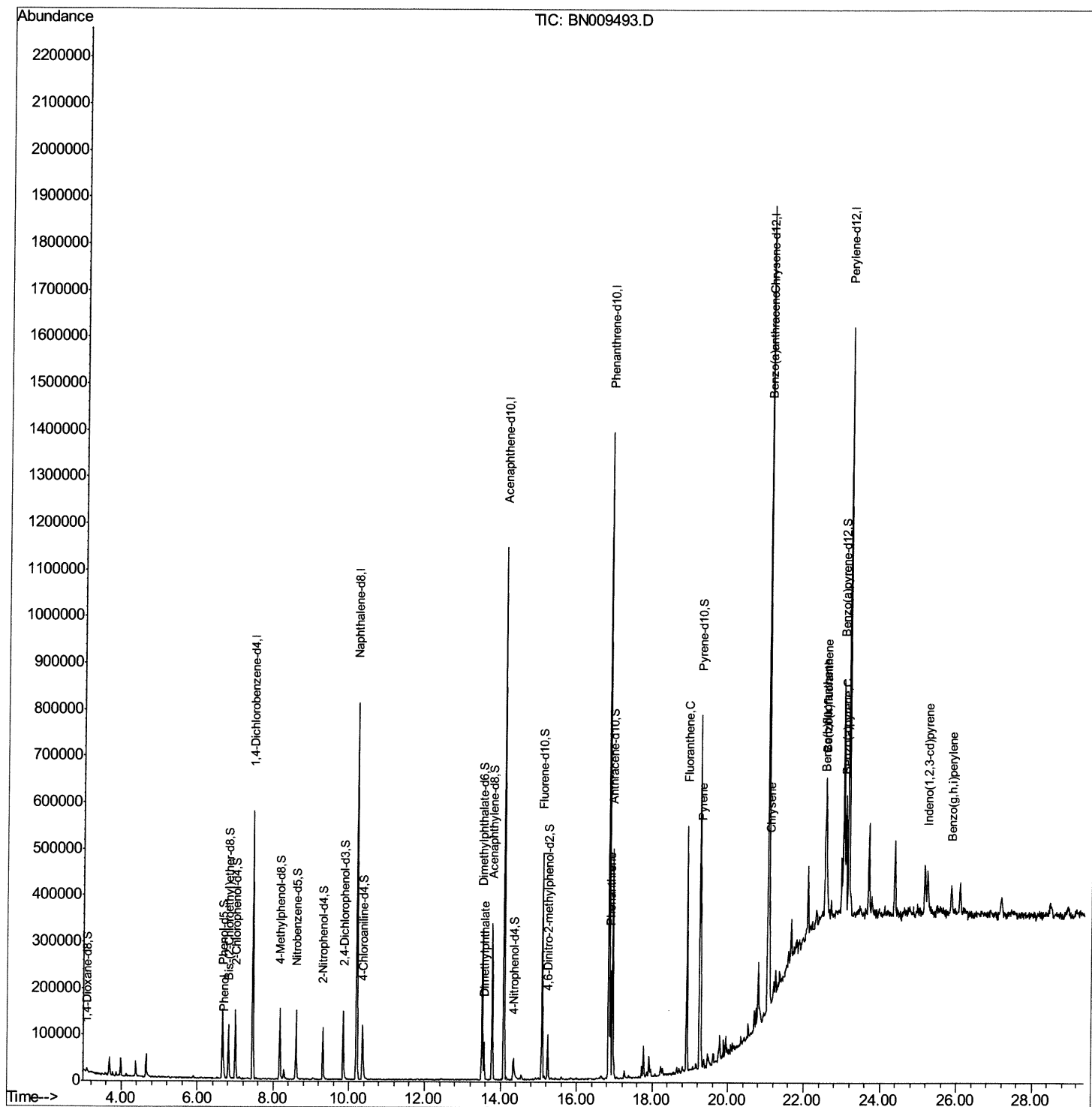
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\  
Data File : BN009493.D  
Acq On : 31 Jan 2020 02:51  
Operator : CG/JU  
Sample : L1300-11  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C5AR0

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:08:15 PM

Quant Time: Jan 31 04:19:56 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jan 31 00:47:12 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

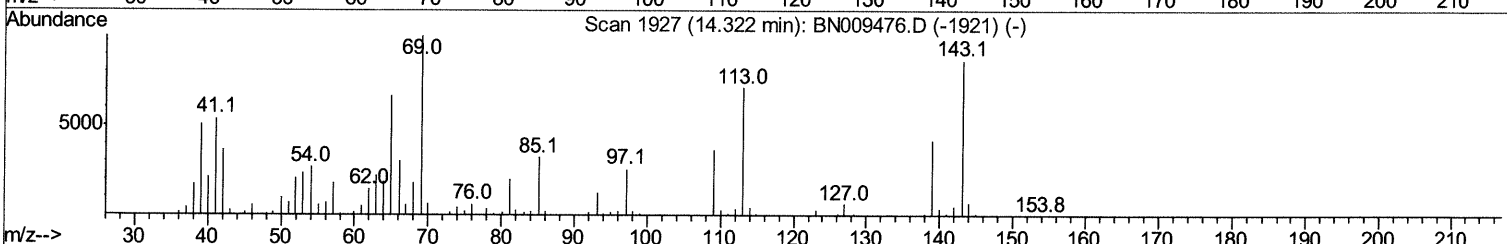
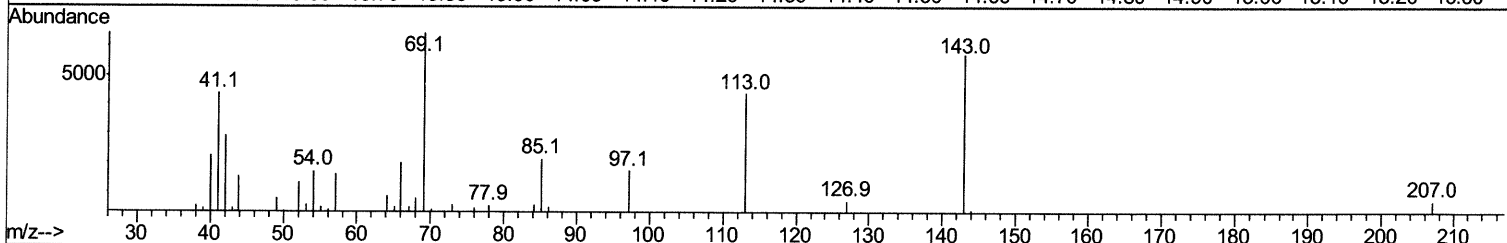
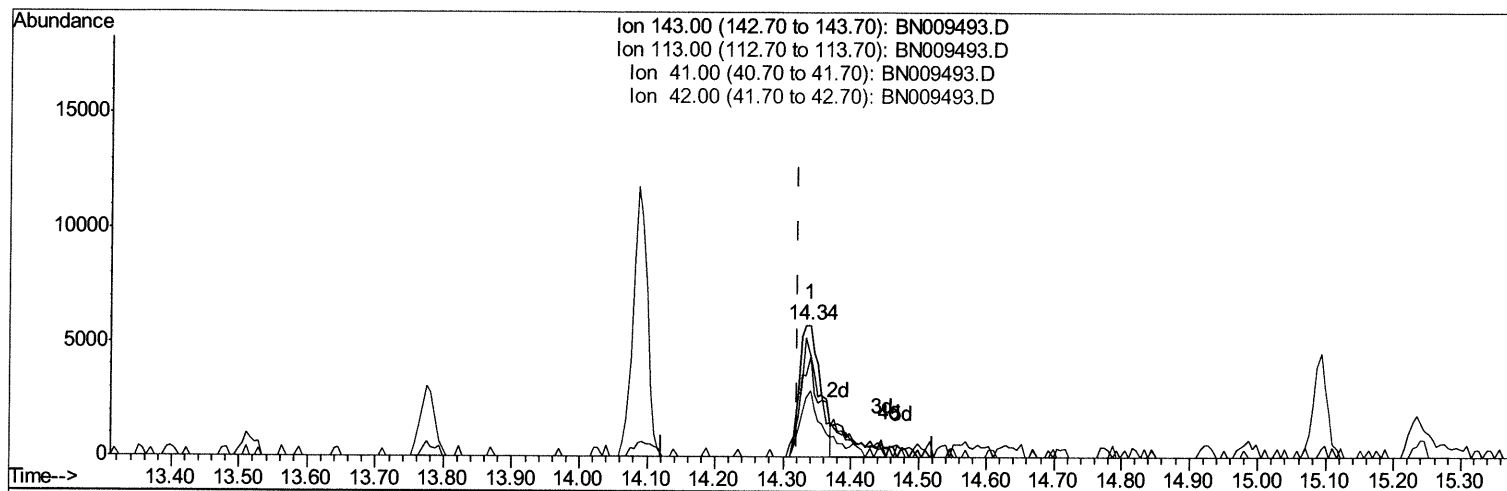
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TIC: BN009493.D

(51) 4-Nitrophenol-d4 (S)  
 14.340min (+0.018) 2.51ng/ul  
 response 12514

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 143.00 | 100   | 100   |
| 113.00 | 88.90 | 76.48 |
| 41.00  | 68.90 | 76.38 |
| 42.00  | 44.00 | 50.91 |

# Quantitation Report (Qedit)

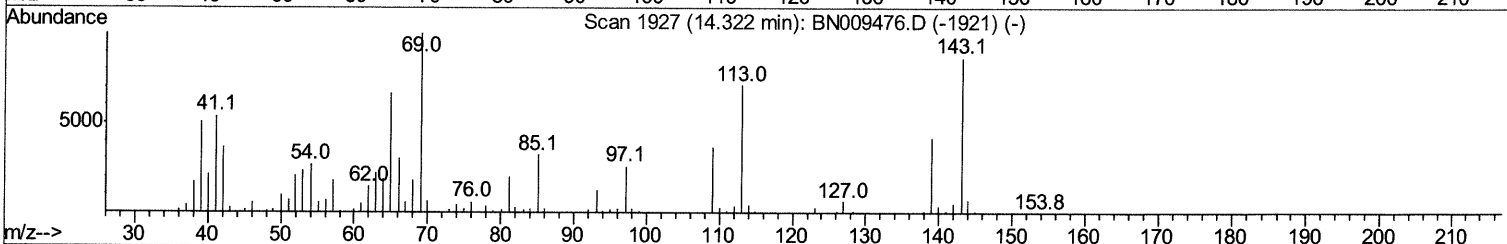
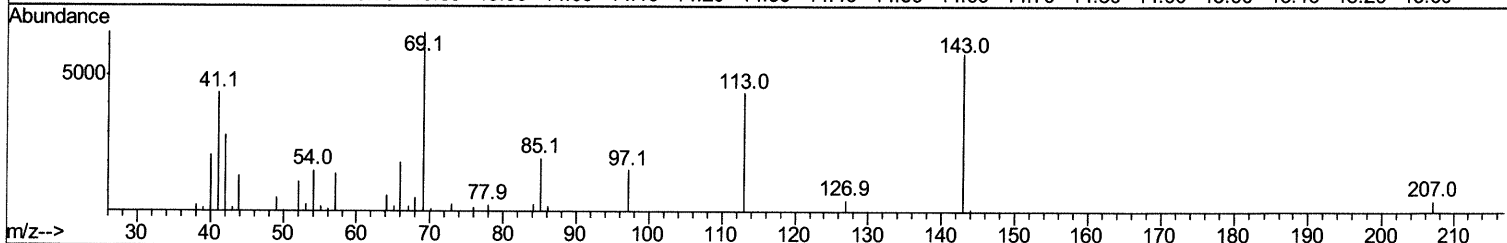
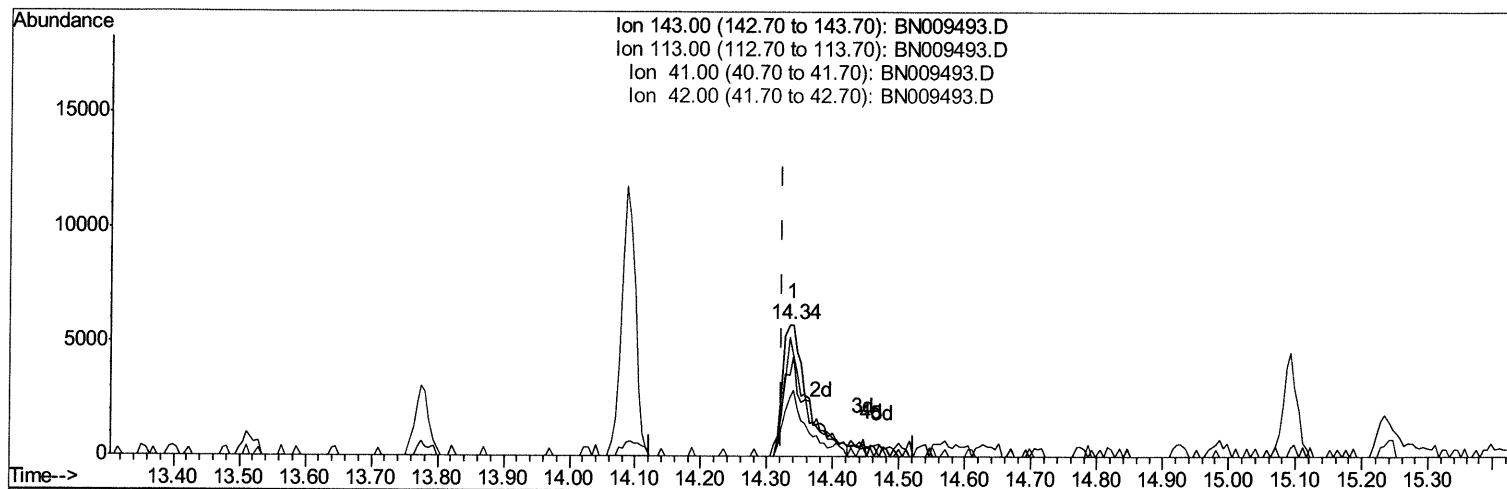
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\  
 Data File : BN009493.D  
 Acq On : 31 Jan 2020 02:51  
 Operator : CG/JU  
 Sample : L1300-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 C5AR0

**Manual Integrations**  
**APPROVED**

mohammad  
 2/3/2020 4:08:15 PM

Quant Time: Jan 31 04:17:54 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 31 00:47:12 2020  
 Response via : Initial Calibration



TIC: BN009493.D

(51) 4-Nitrophenol-d4 (S)

14.340min (+0.018) 3.11ng/ul m *JU 02/03/20*

response 15487

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 143.00 | 100   | 100   |
| 113.00 | 88.90 | 76.48 |
| 41.00  | 68.90 | 76.38 |
| 42.00  | 44.00 | 50.91 |

# Quantitation Report (Qedit)

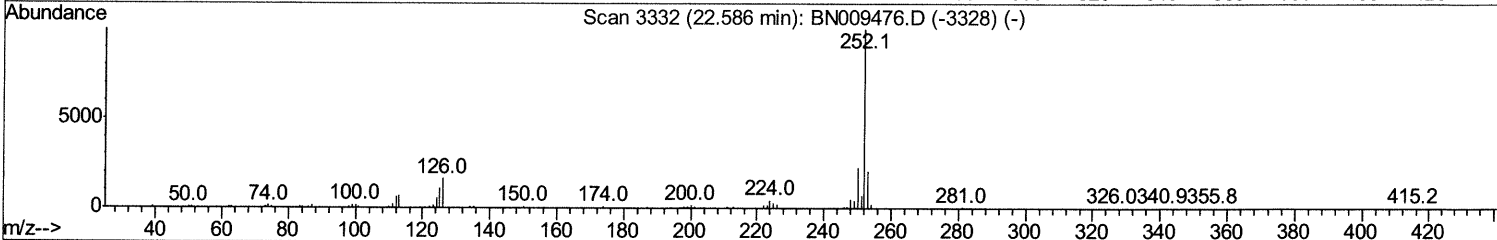
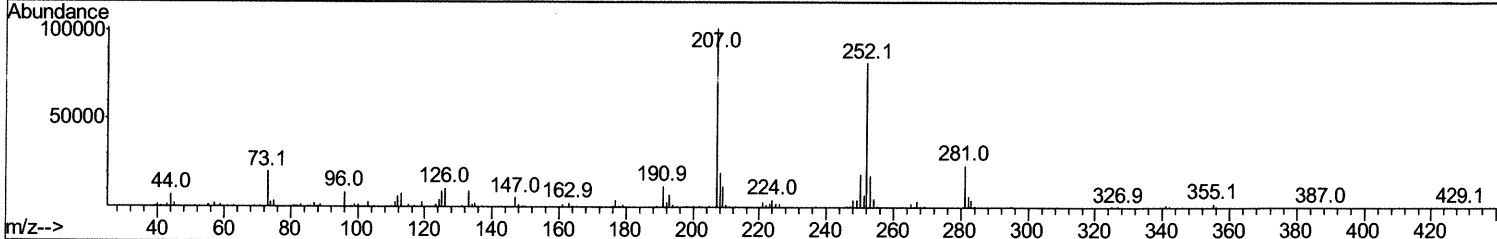
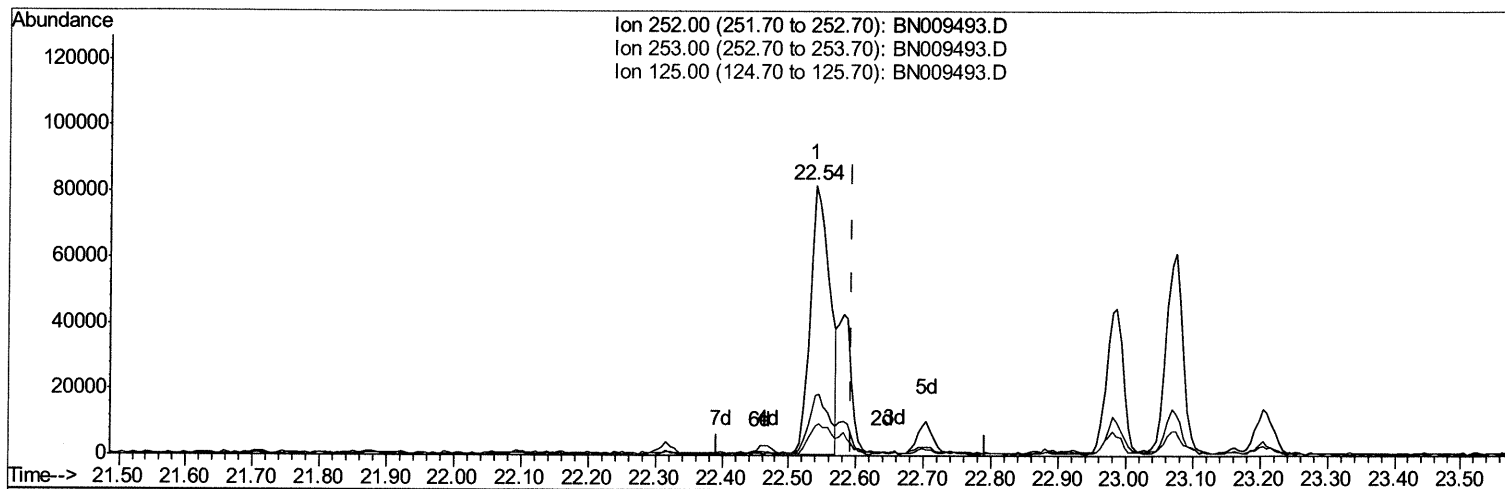
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\  
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 Acq On : 31 Jan 2020 02:51  
 Operator : CG/JU  
 Sample : L1300-11  
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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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TIC: BN009493.D

(88) Benzo(k)fluoranthene

22.539min (-0.053) 3.45ng/ul

response 166546

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.20 | 22.47 |
| 125.00 | 9.80  | 11.05 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

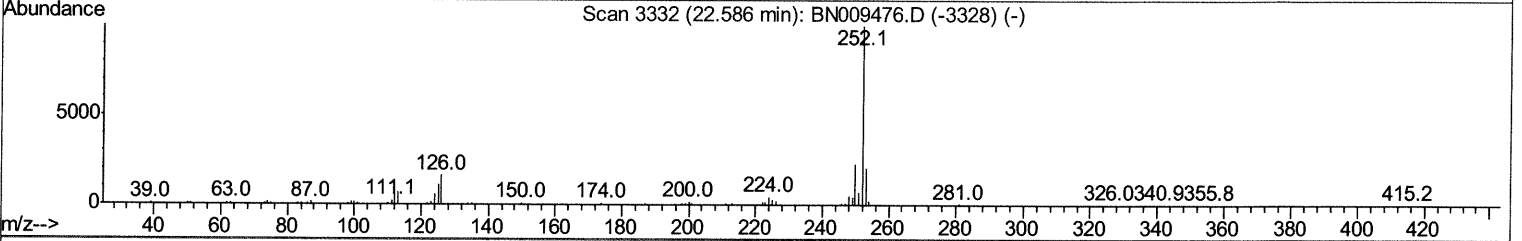
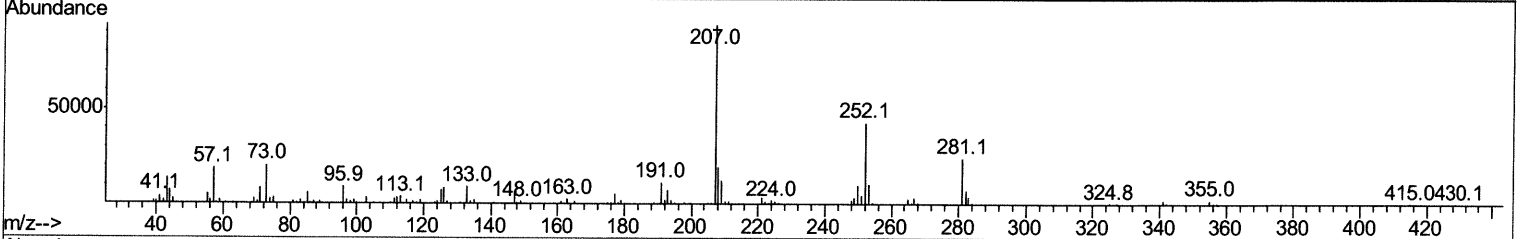
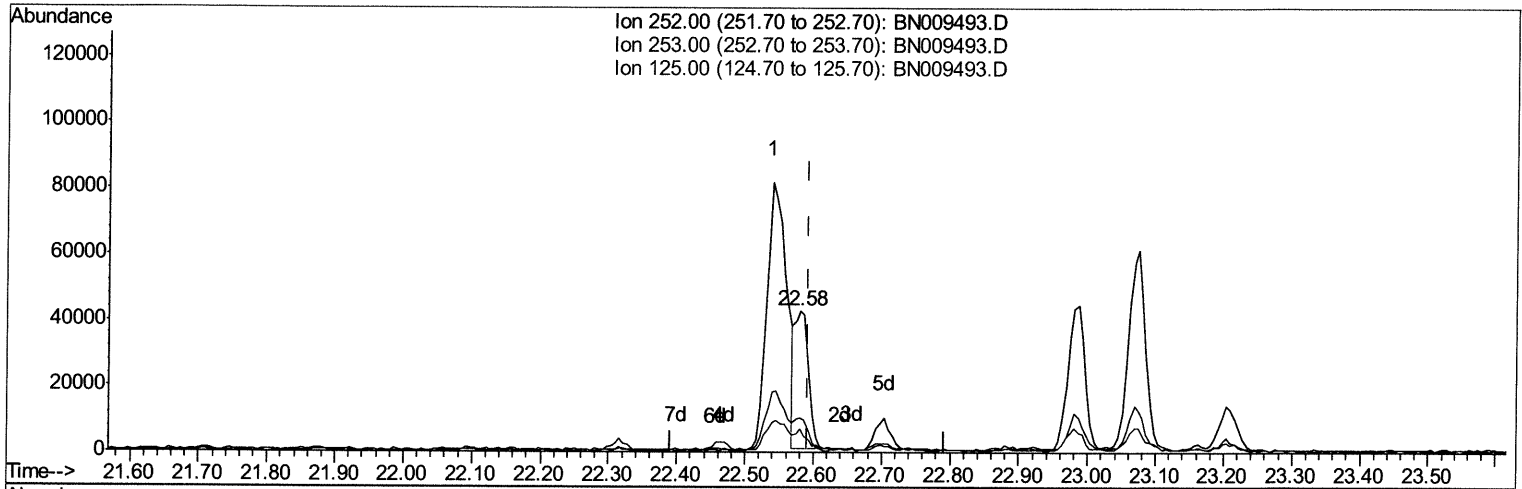
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN013020\  
 Data File : BN009493.D  
 Acq On : 31 Jan 2020 02:51  
 Operator : CG/JU  
 Sample : L1300-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C5AR0

Manual Integrations  
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mohammad  
 2/3/2020 4:08:15 PM

Quant Time: Jan 31 04:17:54 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
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 Response via : Initial Calibration



TIC: BN009493.D

(88) Benzo(k)fluoranthene

22.580min (-0.012) 1.16ng/ul m *JU 02/03/20*

response 56125

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.20 | 24.31  |
| 125.00 | 9.80  | 16.56# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN013020\  
 Data File : BN009493.D  
 Acq On : 31 Jan 2020 02:51  
 Operator : CG/JU  
 Sample : L1300-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 C5AR0

Manual Integrations  
 APPROVED

mohammad  
 2/3/2020 4:08:15 PM

Quant Time: Jan 31 04:19:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 31 00:47:12 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.45  | 152  | 136081   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.20 | 136  | 566435   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.09 | 164  | 361887   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.85 | 188  | 768047   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.05 | 240  | 717387   | 20.00 | ng/ul | -0.01    |
| 85) Perylene-d12          | 23.16 | 264  | 776950   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |          |      |       |                    |
|--------------------------------|-------|-----|----------|------|-------|--------------------|
| 3) 1,4-Dioxane-d8              | 3.09  | 96  | 3754     | 1.14 | ng/uL | 0.00               |
| 5) Phenol-d5                   | 6.65  | 99  | 71296    | 5.91 | ng/ul | 0.00               |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.81  | 67  | 56931    | 6.65 | ng/ul | 0.00               |
| 9) 2-Chlorophenol-d4           | 7.00  | 132 | 58760    | 6.67 | ng/ul | 0.00               |
| 13) 4-Methylphenol-d8          | 8.17  | 113 | 53146    | 5.53 | ng/ul | 0.00               |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 27675    | 6.72 | ng/ul | 0.00               |
| 22) 2-Nitrophenol-d4           | 9.31  | 143 | 29094    | 6.73 | ng/ul | 0.00               |
| 26) 2,4-Dichlorophenol-d3      | 9.85  | 165 | 53026    | 6.19 | ng/ul | 0.00               |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 68849    | 6.65 | ng/ul | 0.00               |
| 43) Dimethylphthalate-d6       | 13.52 | 166 | 203380   | 7.59 | ng/ul | 0.00               |
| 46) Acenaphthylene-d8          | 13.77 | 160 | 220364   | 6.93 | ng/ul | -0.01              |
| 51) 4-Nitrophenol-d4           | 14.34 | 143 | 15487m > | 3.11 | ng/ul | > 0.02 Ju 02/03/20 |
| 57) Fluorene-d10               | 15.09 | 176 | 175775   | 7.48 | ng/ul | 0.00               |
| 62) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 17524    | 3.77 | ng/ul | 0.00               |
| 70) Anthracene-d10             | 16.94 | 188 | 260523   | 7.33 | ng/ul | 0.00               |
| 78) Pyrene-d10                 | 19.25 | 212 | 313576   | 8.12 | ng/ul | 0.00               |
| 89) Benzo(a)pyrene-d12         | 23.03 | 264 | 306731   | 7.82 | ng/ul | -0.01              |

## Target Compounds

|                            |       |     |          |       | Ovalue |               |
|----------------------------|-------|-----|----------|-------|--------|---------------|
| 6) Phenol                  | 6.68  | 94  | 12958    | 1.025 | ng/ul  | 91            |
| 44) Dimethylphthalate      | 13.56 | 163 | 45826    | 1.662 | ng/ul  | 99            |
| 69) Phenanthrene           | 16.89 | 178 | 133046   | 3.070 | ng/ul  | 98            |
| 76) Fluoranthene           | 18.91 | 202 | 305140   | 6.142 | ng/ul  | 98            |
| 79) Pyrene                 | 19.27 | 202 | 254125   | 4.892 | ng/ul  | 98            |
| 82) Benzo(a)anthracene     | 21.03 | 228 | 123889   | 2.536 | ng/ul  | 98            |
| 84) Chrysene               | 21.09 | 228 | 146796   | 3.085 | ng/ul  | 98            |
| 87) Benzo(b)fluoranthene   | 22.54 | 252 | 166378   | 3.387 | ng/ul  | 97            |
| 88) Benzo(k)fluoranthene   | 22.58 | 252 | 56125m > | 1.162 | ng/ul  | > Ju 02/03/20 |
| 90) Benzo(a)pyrene         | 23.07 | 252 | 106279   | 2.410 | ng/ul  | 97            |
| 91) Indeno(1,2,3-cd)pyrene | 25.23 | 276 | 70095    | 1.312 | ng/ul# | 90            |
| 93) Benzo(a,h,i)perylene   | 25.85 | 276 | 63205    | 1.422 | ng/ul  | 97            |

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