

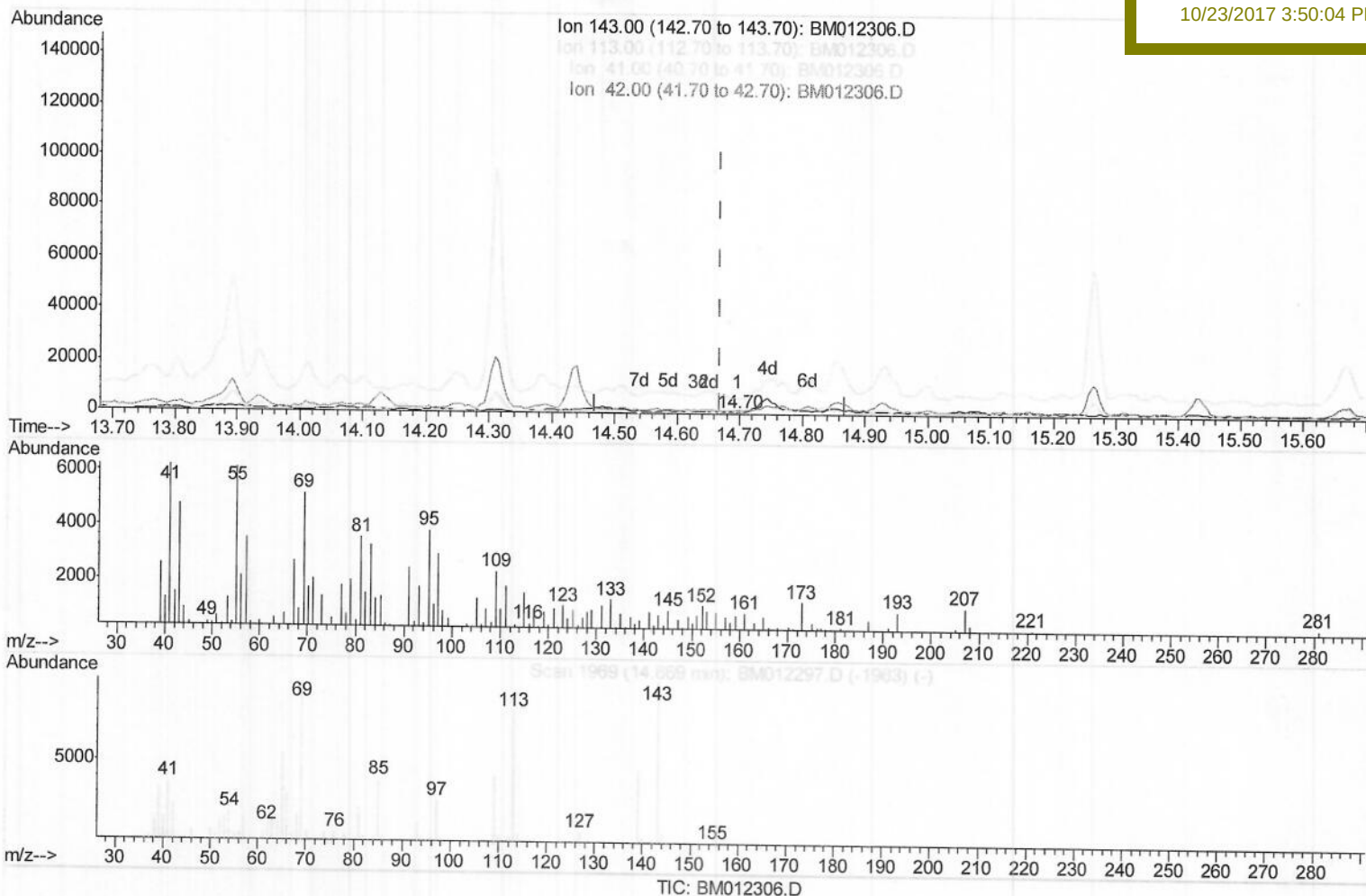
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM101817\  
Data File : BM012306.D  
Acq On : 19 Oct 2017 07:25  
Operator : SJ/JU  
Sample : I5747-06 2X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 19 15:40:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 19 15:00:52 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
B-4(1-3)-100617

Manual Integrations  
APPROVED

Sohil  
10/23/2017 3:50:04 PM



(51) 4-Nitrophenol-d4 (S)  
14.698min (+0.029) 0.03ng/ul  
response 197

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 81.80 | 49.25#  |
| 41.00  | 40.00 | 771.52# |
| 42.00  | 25.70 | 190.92# |

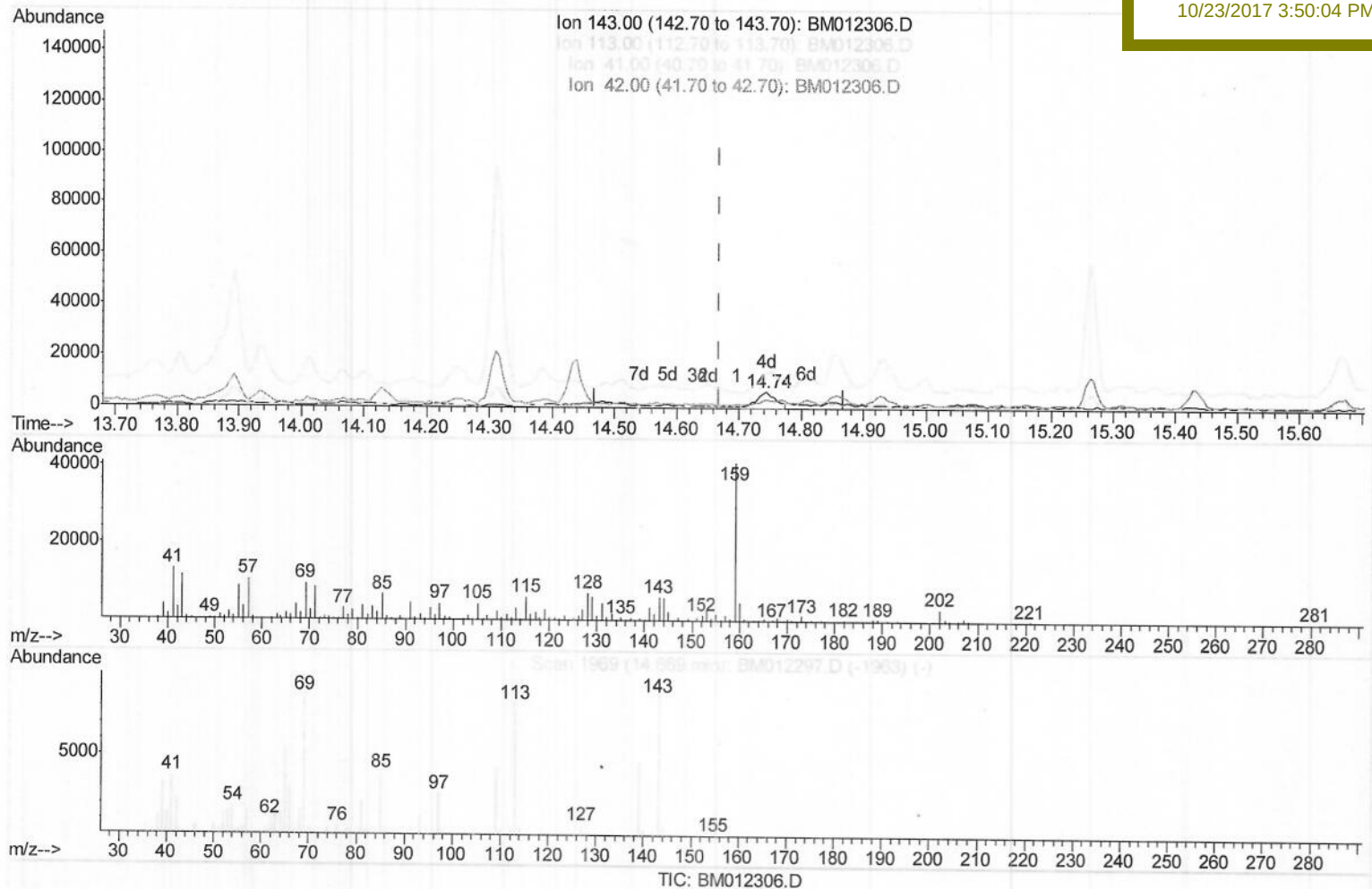
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM101817\  
Data File : BM012306.D  
Acq On : 19 Oct 2017 07:25  
Operator : SJ/JU  
Sample : I5747-06 2X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 19 15:40:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 19 15:00:52 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
B-4(1-3)-100617

Manual Integrations  
APPROVED

Sohil  
10/23/2017 3:50:04 PM



(51) 4-Nitrophenol-d4 (S)

14.745min (+0.076) 1.88ng/ul m

SJ 06/25/18

response 14485

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 81.80 | 54.68#  |
| 41.00  | 40.00 | 210.66# |
| 42.00  | 25.70 | 52.05#  |

# Quantitation Report (Qedit)

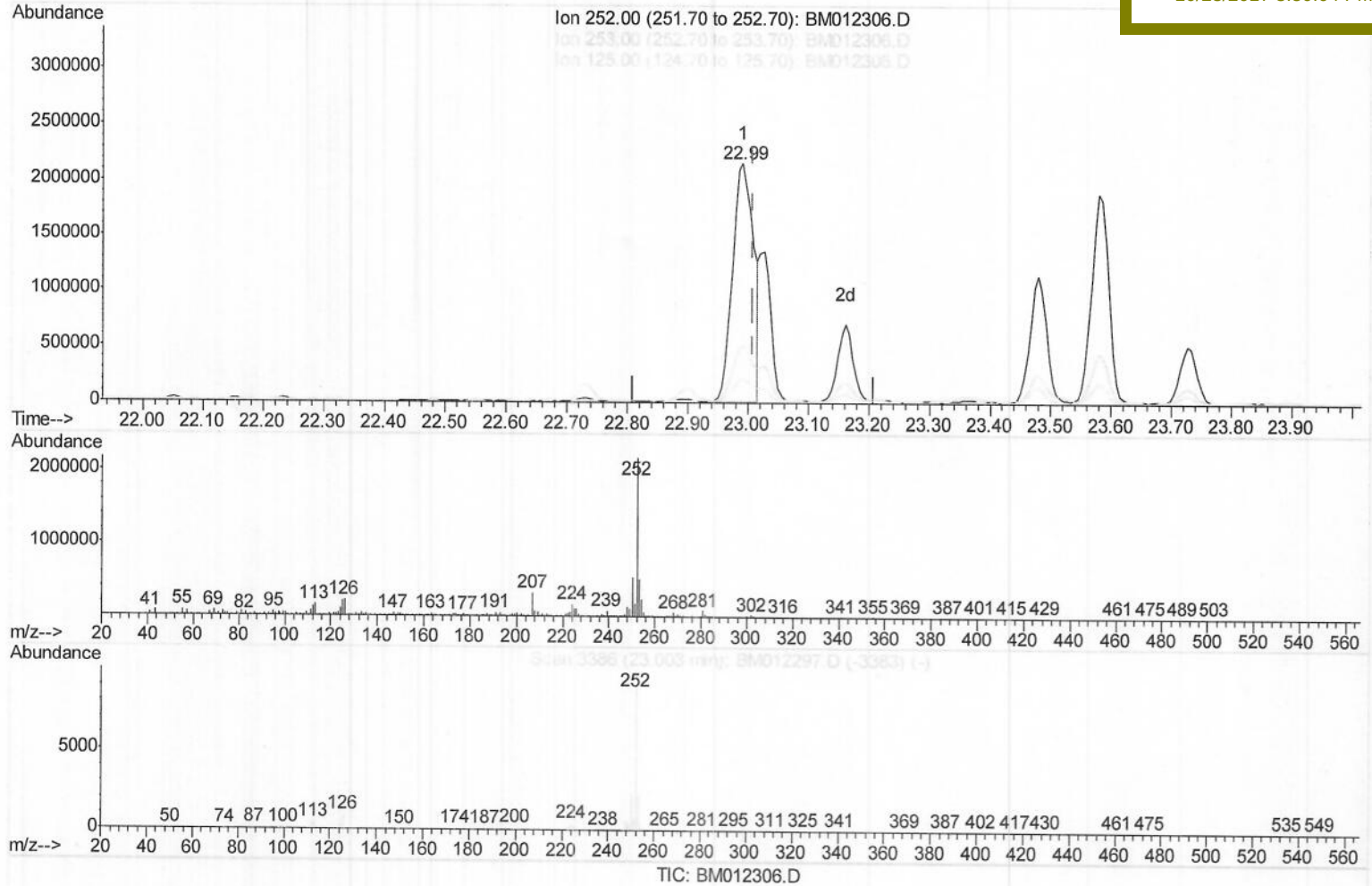
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM101817\  
 Data File : BM012306.D  
 Acq On : 19 Oct 2017 07:25  
 Operator : SJ/JU  
 Sample : I5747-06 2X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-4(1-3)-100617

Quant Time: Oct 19 15:40:28 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 19 15:00:52 2017  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Sohil  
 10/23/2017 3:50:04 PM



(86) Benzo(k)fluoranthene

22.991min (-0.018) 58.32ng/ui

response 5181766

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.20 | 23.19 |
| 125.00 | 6.10  | 9.68# |
| 0.00   | 0.00  | 0.00  |



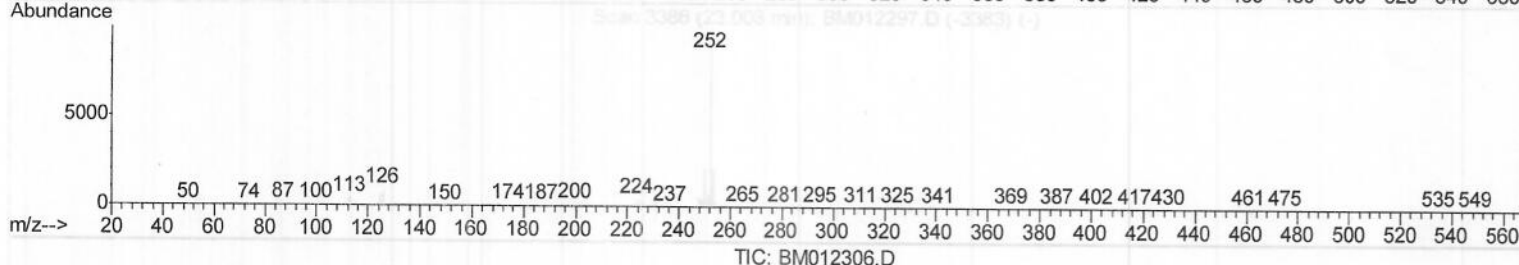
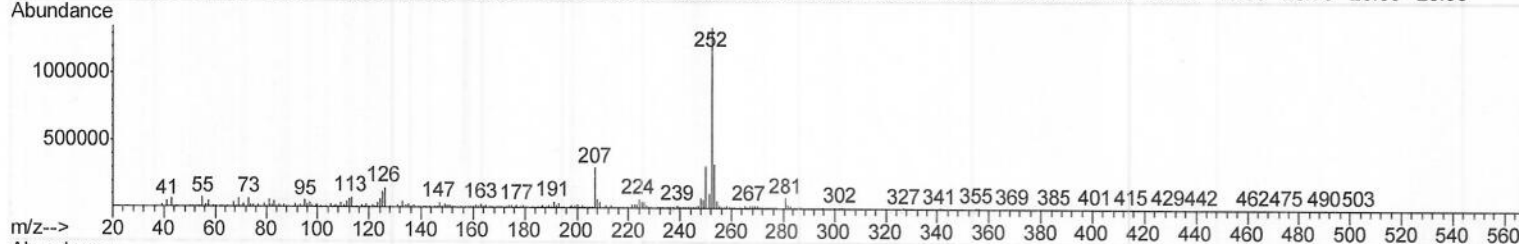
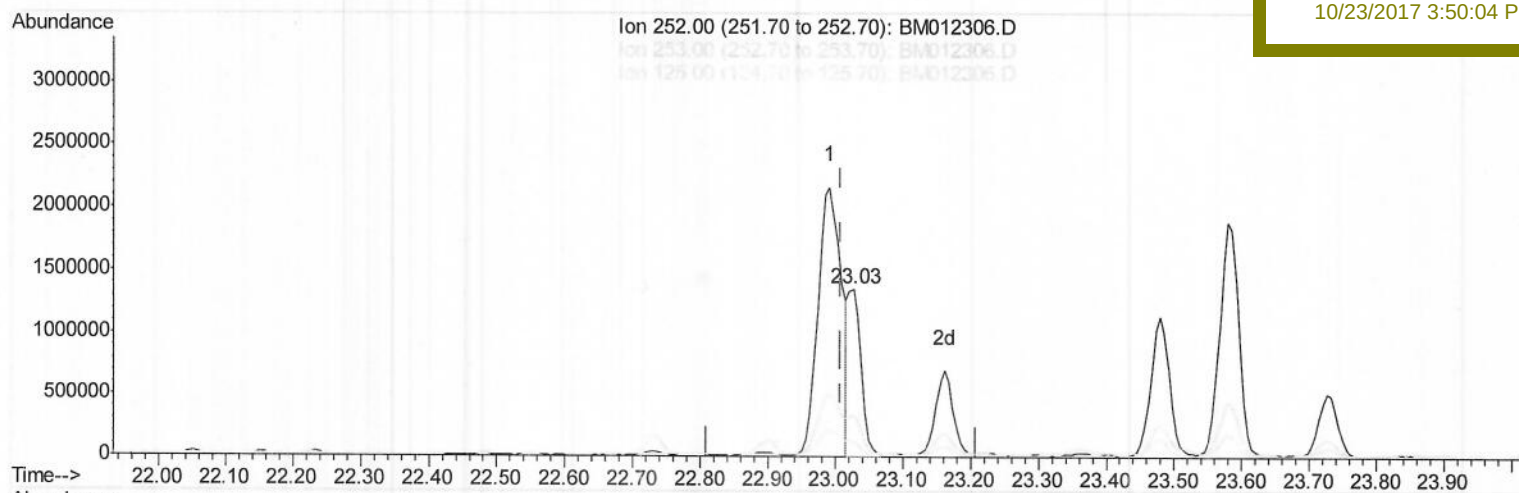
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM101817\  
Data File : BM012306.D  
Acq On : 19 Oct 2017 07:25  
Operator : SJ/JU  
Sample : I5747-06 2X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 19 15:40:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 19 15:00:52 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
Client Sampled :  
B-4(1-3)-100617

Manual Integrations  
APPROVED

Sohil  
10/23/2017 3:50:04 PM



(86) Benzo(k)fluoranthene

23.027min (+0.018) 20.46ng/ui m > JU 06/25/18

response 1818010

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.20 | 24.62 |
| 125.00 | 6.10  | 8.89# |
| 0.00   | 0.00  | 0.00  |

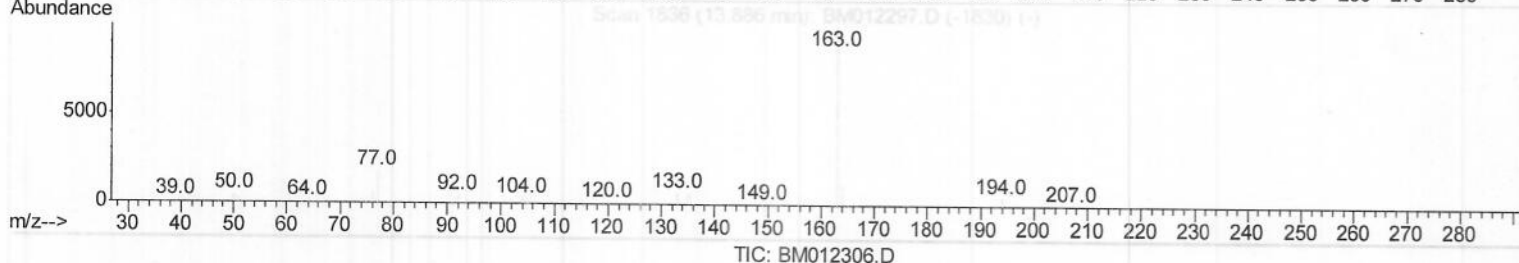
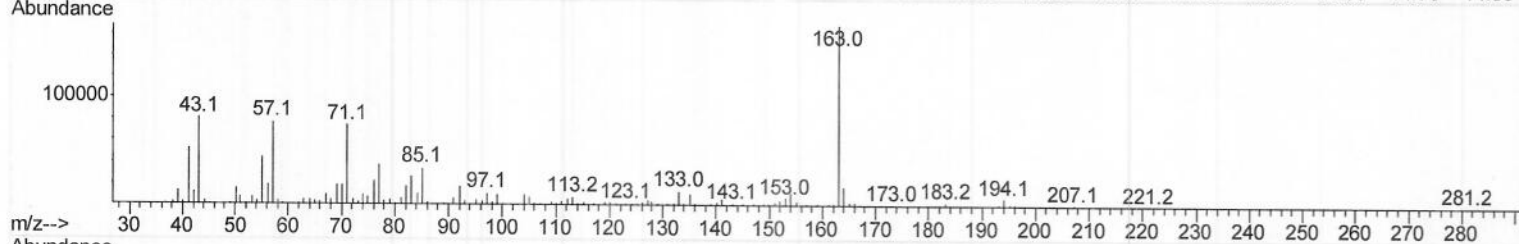
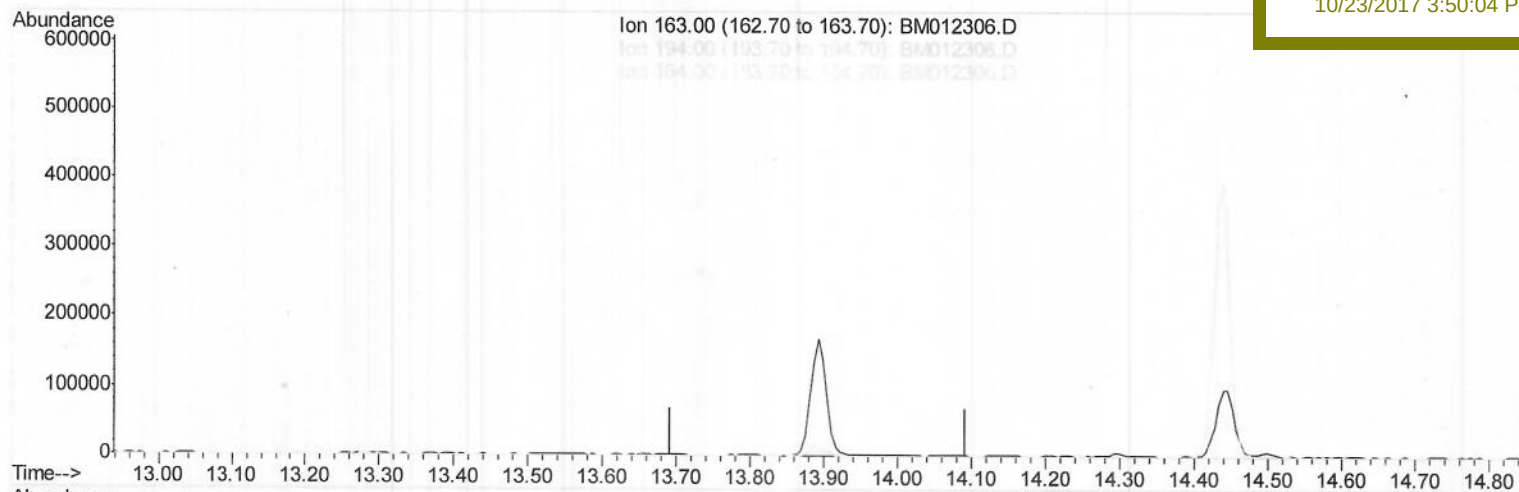
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BM101817\  
Data File : BM012306.D  
Acq On : 19 Oct 2017 07:25  
Operator : SJ/JU  
Sample : I5747-06.2X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 30 08:26:47 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 19 15:00:52 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
B-4(1-3)-100617

Manual Integrations  
APPROVED

Sohil  
10/23/2017 3:50:04 PM



(44) Dimethylphthalate

13.892min (-13.892) 0.00ng/ul d

response 0

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 163.00 | 100   | 0.00 |
| 194.00 | 4.60  | 0.00 |
| 164.00 | 10.10 | 0.00 |
| 0.00   | 0.00  | 0.00 |

# Quantitation Report (Qedit)

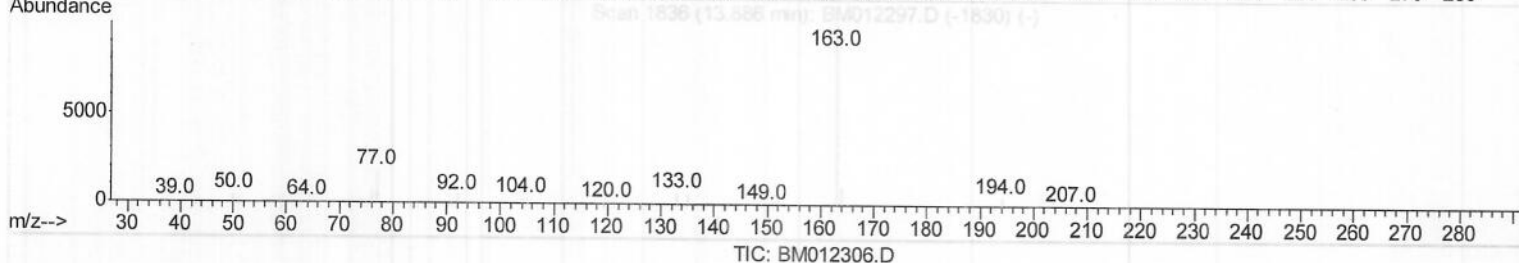
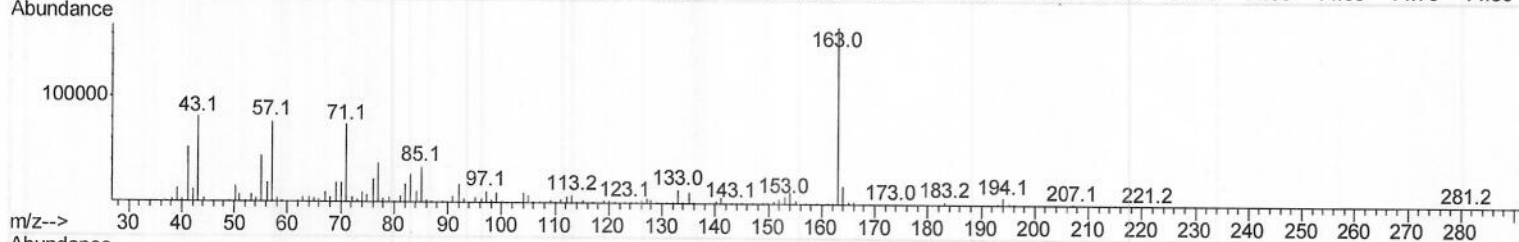
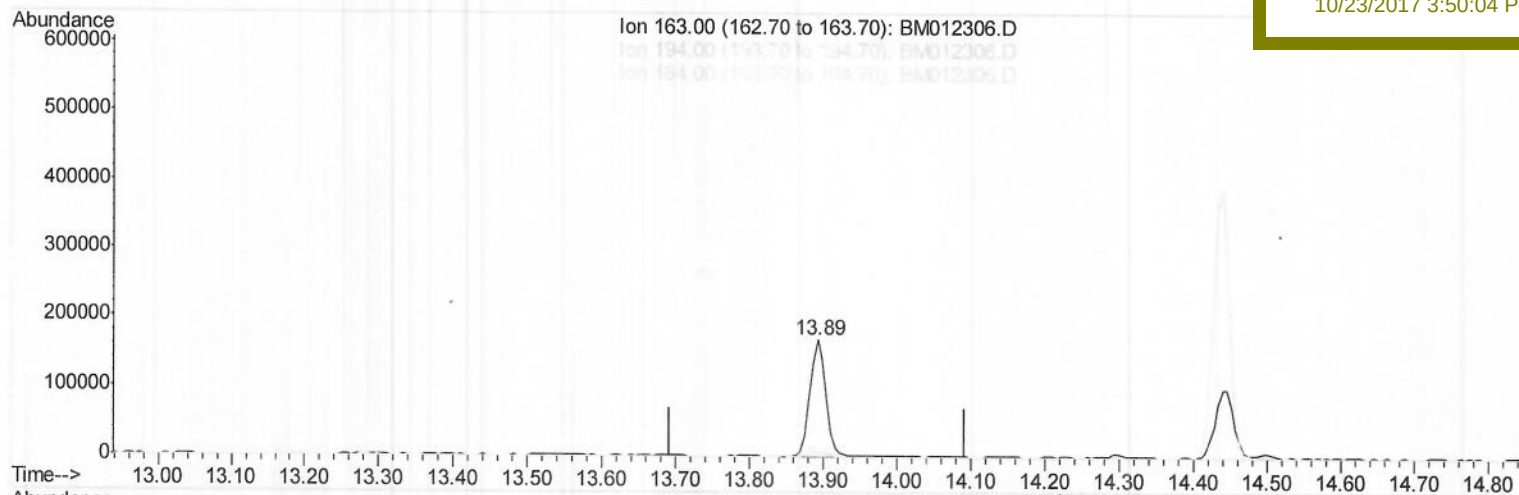
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BM101817\  
 Data File : BM012306.D  
 Acq On : 19 Oct 2017 07:25  
 Operator : SJ/JU  
 Sample : I5747-06 2X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 30 08:26:47 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 19 15:00:52 2017  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-4(1-3)-100617

Manual Integrations  
 APPROVED

Sohil  
 10/23/2017 3:50:04 PM



(44) Dimethylphthalate

13.892min (-0.000) 4.76ng/ul m > JU 06/25/18

response 244950

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 163.00 | 100   | 100   |
| 194.00 | 4.60  | 4.00  |
| 164.00 | 10.10 | 10.35 |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BM101817\  
 Data File : BM012306.D  
 Acq On : 19 Oct 2017 07:25  
 Operator : SJ/JU  
 Sample : I5747-06 2X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sampled :  
 B-4(1-3)-100617

Quant Time: Jun 23 03:33:57 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 19 15:00:52 2017  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Sohil  
 10/23/2017 3:50:04 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.78  | 152  | 277325   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.58 | 136  | 1099640  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.44 | 164  | 580728   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.19 | 188  | 1189437  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.37 | 240  | 1293592  | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.68 | 264  | 1412757  | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 9265   | 1.59  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.97  | 99  | 138527 | 6.16  | ng/ul | 0.01  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.12  | 67  | 137479 | 10.19 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.32  | 132 | 136855 | 7.17  | ng/ul | 0.01  |
| 13) 4-Methylphenol-d8          | 8.51  | 113 | 117750 | 6.08  | ng/ul | 0.01  |
| 19) Nitrobenzene-d5            | 8.96  | 128 | 68715  | 8.19  | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 73279  | 7.47  | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165 | 118365 | 6.32  | ng/ul | 0.01  |
| 29) 4-Chloroaniline-d4         | 10.75 | 131 | 42813  | 2.44  | ng/ul | 0.02  |
| 43) Dimethylphthalate-d6       | 13.84 | 166 | 423882 | 8.26  | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.13 | 160 | 523943 | 8.43  | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.74 | 143 | 14485m | 1.88  | ng/ul | 0.08  |
| 57) Fluorene-d10               | 15.43 | 176 | 341080 | 8.10  | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 325    | 0.04  | ng/ul | -0.02 |
| 70) Anthracene-d10             | 17.29 | 188 | 493380 | 8.39  | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.59 | 212 | 534907 | 8.15  | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.53 | 264 | 578048 | 8.49  | ng/ul | 0.02  |

## Target Compounds

|                                |       |     |          |        | Ovalue |     |
|--------------------------------|-------|-----|----------|--------|--------|-----|
| 6) Phenol                      | 7.00  | 94  | 40881    | 1.758  | ng/ul# | 32  |
| 28) Naphthalene                | 10.63 | 128 | 179418   | 3.154  | ng/ul  | 98  |
| 34) 2-Methylnaphthalene        | 12.25 | 142 | 67975    | 1.583  | ng/ul  | 97  |
| 44) Dimethylphthalate          | 13.89 | 163 | 244950m  | 4.763  | ng/ul  |     |
| 47) Acenaphthylene             | 14.16 | 152 | 664495   | 10.892 | ng/ul  | 99  |
| 58) Fluorene                   | 15.49 | 166 | 61288    | 1.247  | ng/ul  | 96  |
| 69) Phenanthrene               | 17.23 | 178 | 944893   | 13.965 | ng/ul  | 100 |
| 71) Anthracene                 | 17.32 | 178 | 664330   | 9.484  | ng/ul  | 98  |
| 74) Fluoranthene               | 19.25 | 202 | 5404629  | 66.187 | ng/ul# | 92  |
| 77) Pyrene                     | 19.62 | 202 | 4033374  | 47.212 | ng/ul# | 93  |
| 80) Benzo(a)anthracene         | 21.36 | 228 | 3609837  | 42.886 | ng/ul  | 94  |
| 81) Bis(2-ethylhexyl)phthalate | 21.26 | 149 | 142361   | 2.495  | ng/ul# | 98  |
| 82) Chrysene                   | 21.42 | 228 | 2993918  | 37.885 | ng/ul  | 96  |
| 85) Benzo(b)fluoranthene       | 22.99 | 252 | 5181766  | 56.205 | ng/ul# | 96  |
| 86) Benzo(k)fluoranthene       | 23.03 | 252 | 1818010m | 20.462 | ng/ul  |     |
| 88) Benzo(a)pyrene             | 23.58 | 252 | 3650030  | 42.005 | ng/ul# | 94  |
| 89) Indeno(1,2,3-cd)pyrene     | 26.04 | 276 | 2496092  | 27.050 | ng/ul  | 98  |
| 90) Dibenzo(a,h)anthracene     | 26.03 | 278 | 749198   | 9.658  | ng/ul# | 82  |
| 91) Benzo(a,h,i)perylene       | 26.77 | 276 | 1732657  | 22.926 | ng/ul# | 95  |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BM101817\  
Data File : BM012306.D  
Acq On : 19 Oct 2017 07:25  
Operator : SJ/JU  
Sample : I5747-06 2X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 23 03:33:57 2018  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 19 15:00:52 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
B-4(1-3)-100617

Manual Integrations  
APPROVED

Sohil  
10/23/2017 3:50:04 PM

