

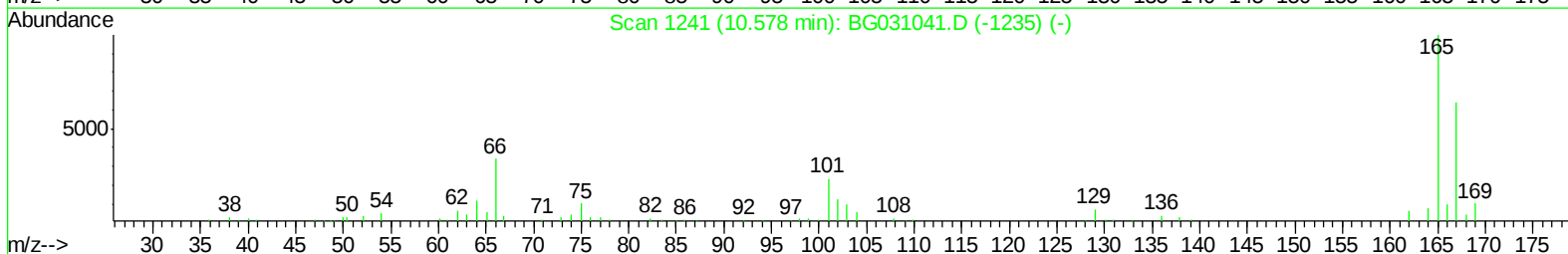
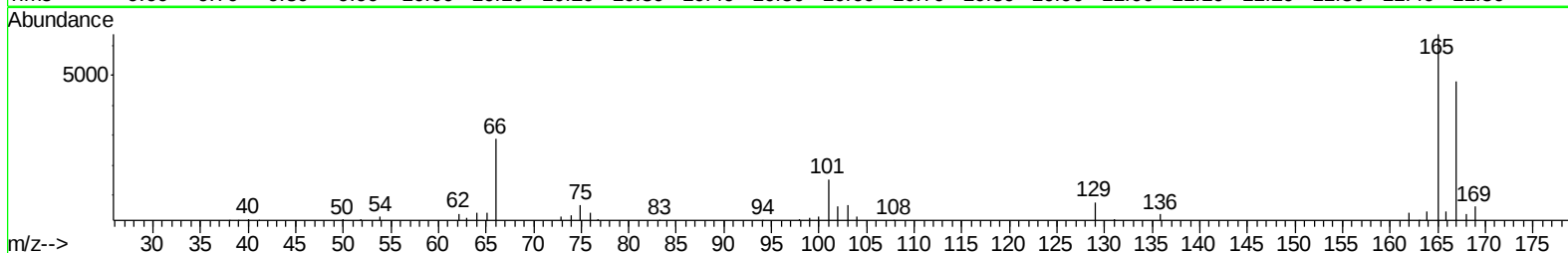
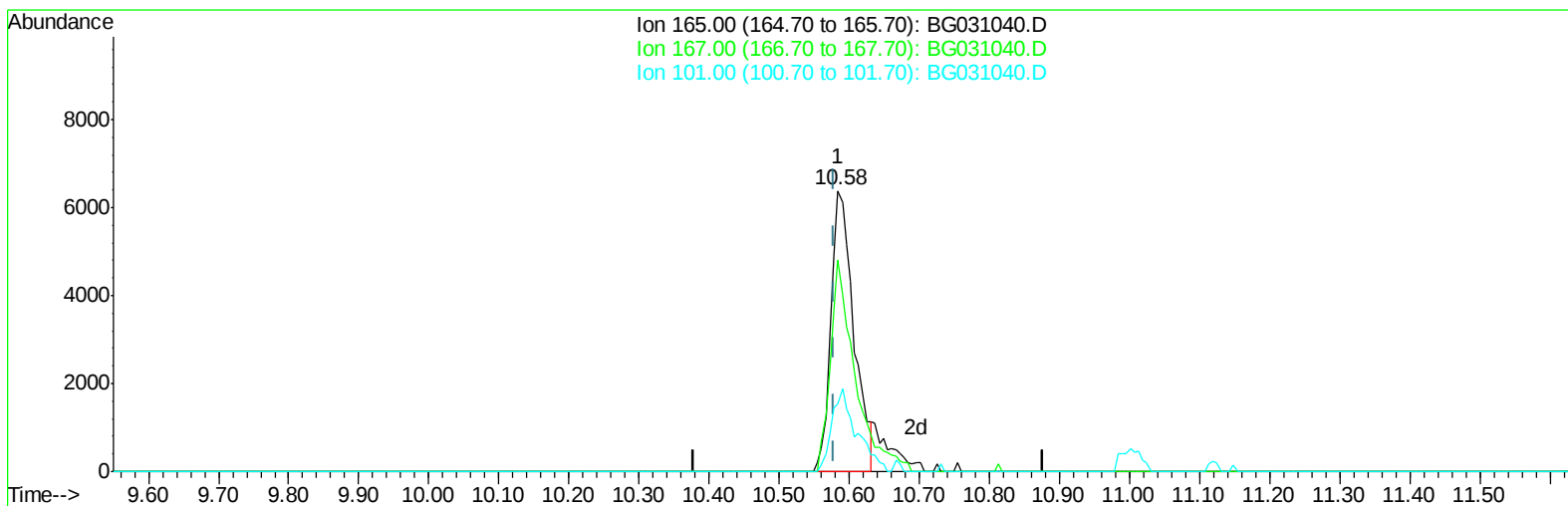
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG111617\  
Data File : BG031040.D  
Acq On : 16 Nov 2017 12:28  
Operator : SJ/JU  
Sample : SSTD01055  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD01055

Manual Integrations  
APPROVED

SOHIL  
11/17/2017 5:12:41 PM

Quant Time: Nov 16 13:45:41 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111617-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Nov 16 13:44:08 2017  
Response via : Initial Calibration



TIC: BG031040.D

(3) 2,4-DichlorophenoI-d3 (S)

10.584min (+0.006) 10.98ng/uL

response 14485

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 165.00 | 100   | 100    |
| 167.00 | 62.20 | 75.59# |
| 101.00 | 30.70 | 23.95# |
| 0.00   | 0.00  | 0.00   |

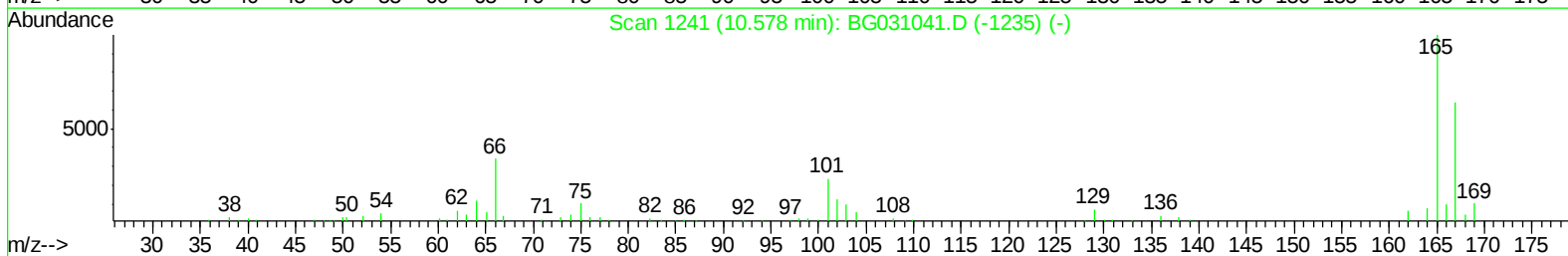
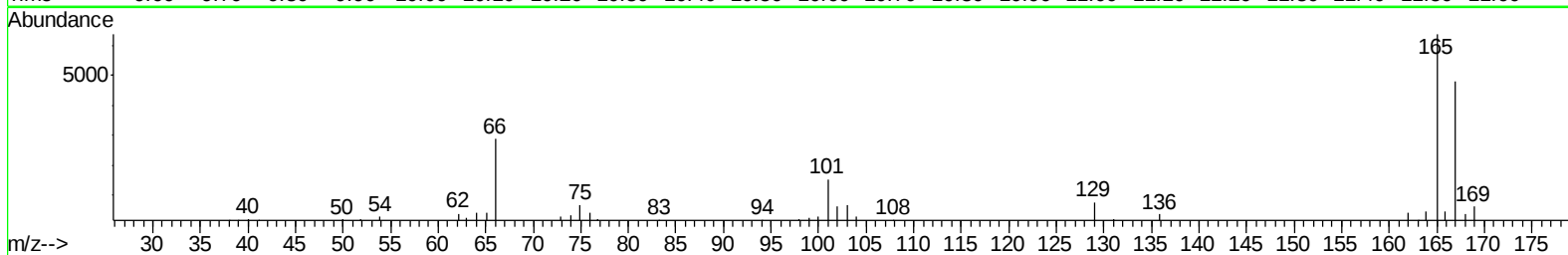
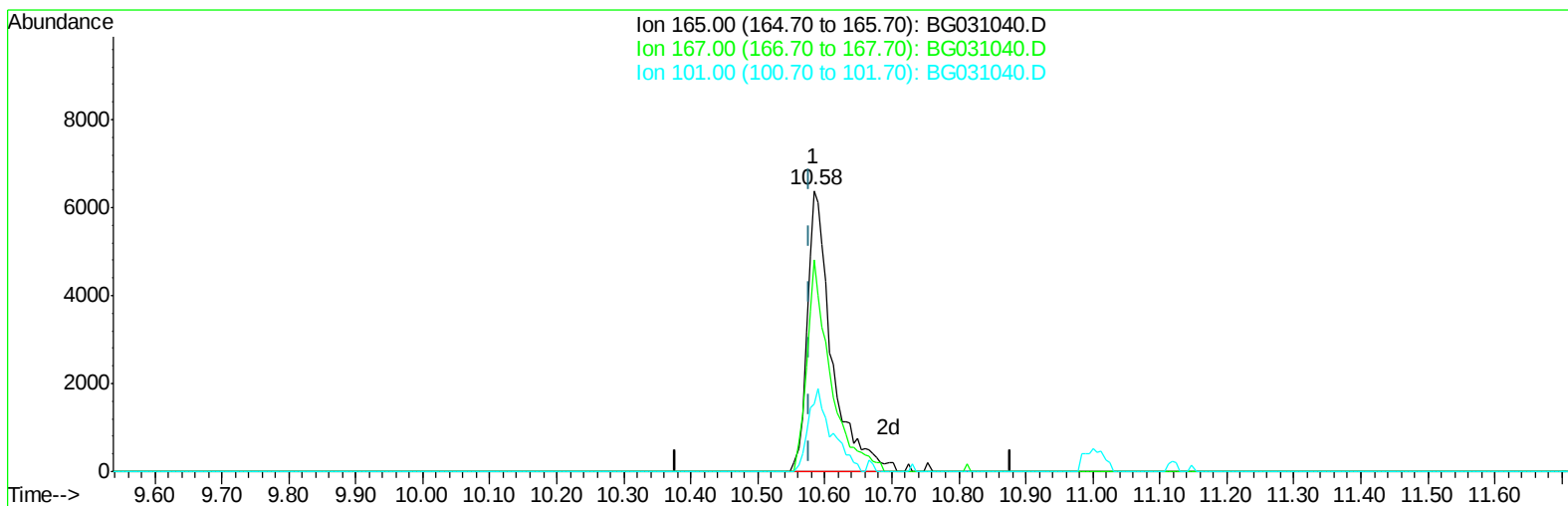
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Manual Integrations  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Nov 16 13:44:08 2017  
Response via : Initial Calibration



TIC: BG031040.D

(3) 2,4-DichlorophenoI-d3 (S)

10.584min (+0.006) 12.45ng/uL m

response 16430

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 165.00 | 100   | 100    |
| 167.00 | 62.20 | 75.59# |
| 101.00 | 30.70 | 23.95# |
| 0.00   | 0.00  | 0.00   |

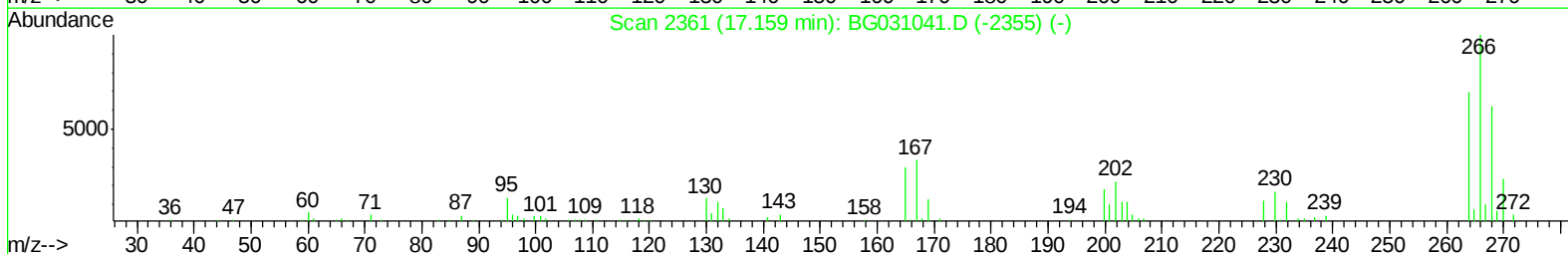
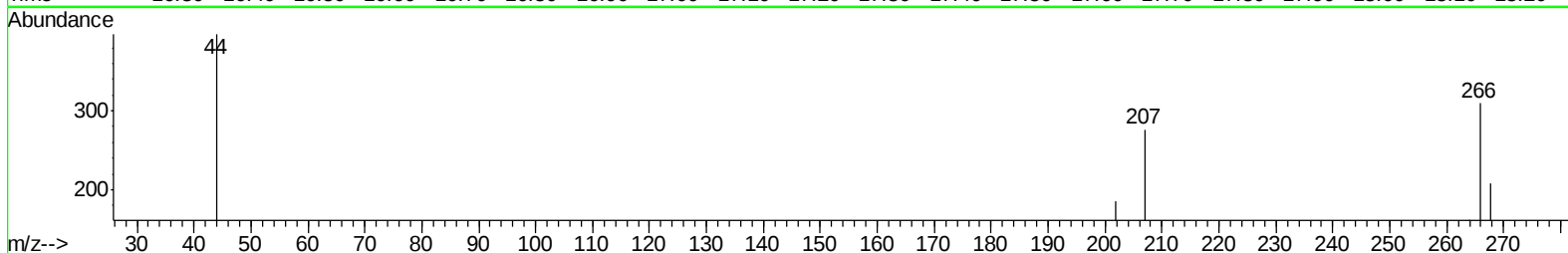
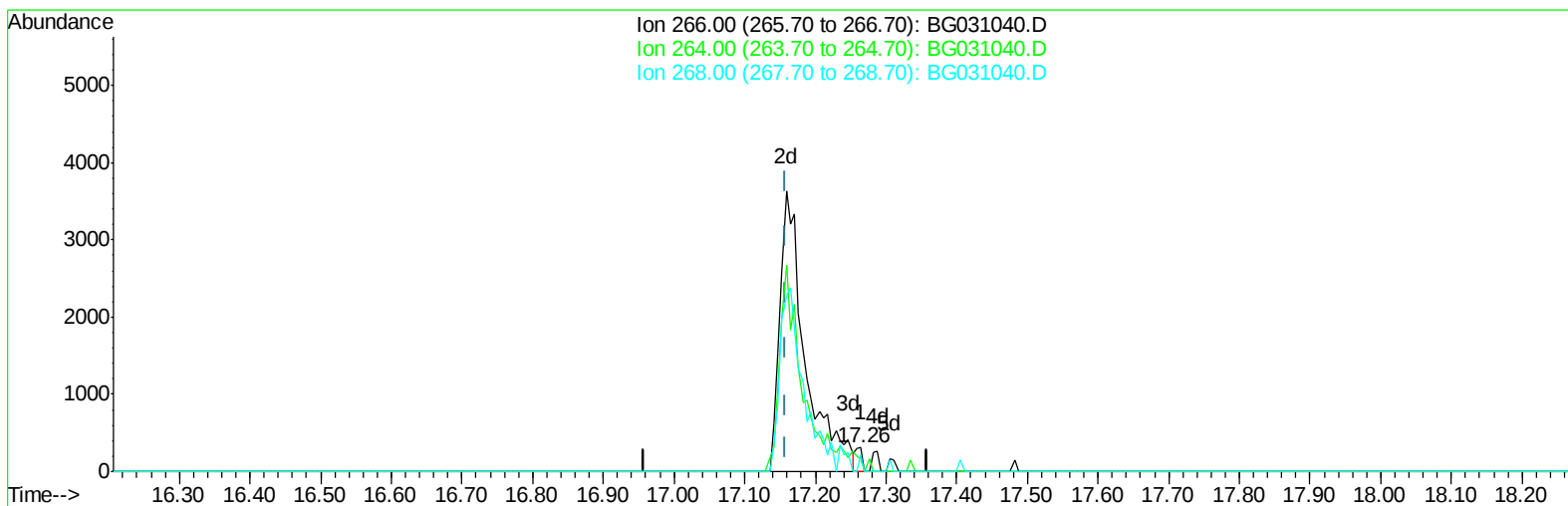
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG111617\  
Data File : BG031040.D  
Acq On : 16 Nov 2017 12:28  
Operator : SJ/JU  
Sample : SSTD01055  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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Quant Time: Nov 16 13:45:41 2017  
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TIC: BG031040.D

(13) Pentachlorophenol

17.264min (+0.105) 0.22ng/uL

response 213

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 266.00 | 100   | 100   |
| 264.00 | 65.00 | 52.10 |
| 268.00 | 64.00 | 67.31 |
| 0.00   | 0.00  | 0.00  |

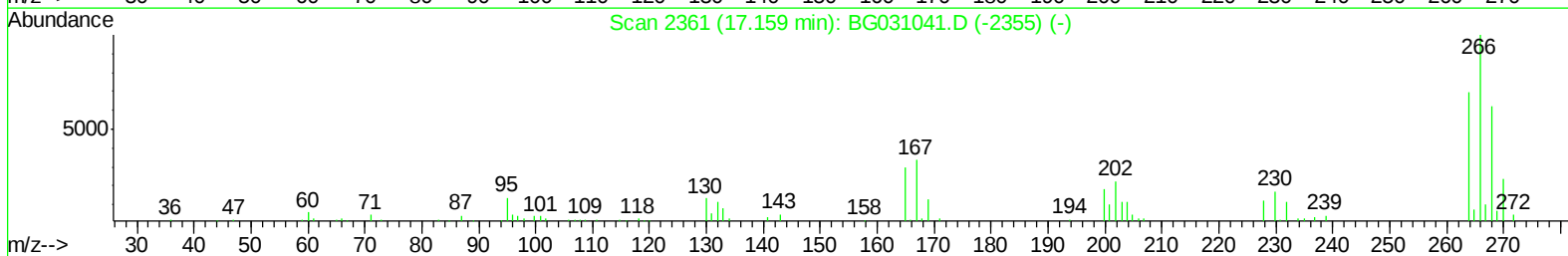
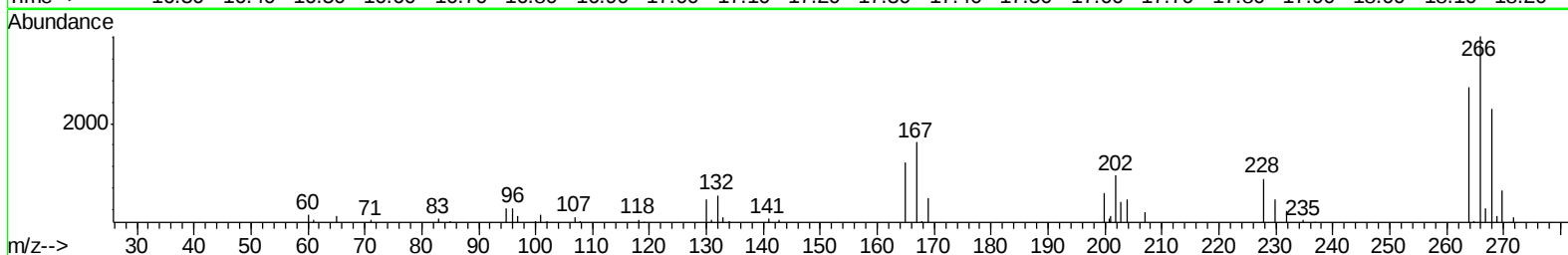
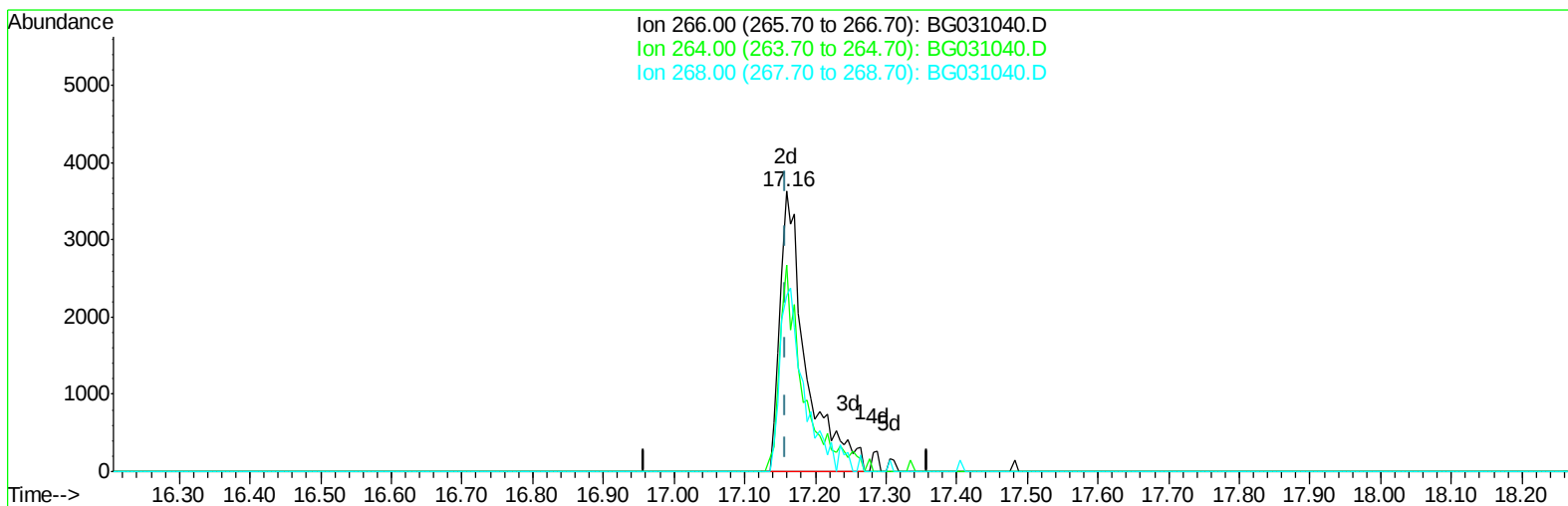
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Sample : SSTD01055  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Manual Integrations  
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Quant Time: Nov 16 13:45:41 2017  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Nov 16 13:44:08 2017  
Response via : Initial Calibration



TIC: BG031040.D

(13) Pentachlorophenol

17.159min (-0.000) 9.78ng/uL m

response 9317

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 266.00 | 100   | 100   |
| 264.00 | 65.00 | 73.49 |
| 268.00 | 64.00 | 62.53 |
| 0.00   | 0.00  | 0.00  |

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 Operator : SJ/JU  
 Sample : SSTD01055  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD01055

Manual Integrations  
 APPROVED

SOHIL  
 11/17/2017 5:12:41 PM

Quant Time: Nov 16 13:47:14 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111617-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 16 13:44:08 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 22094    | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.95 | 136  | 94751    | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.76 | 164  | 74203    | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.49 | 188  | 222905   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.77 | 240  | 346958   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 25.07 | 264  | 354777   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.58 | 165  | 16430m   | 12.45  | ng/uL  | 0.00     |
| 7) Acenaphthylene-d8        | 14.45 | 160  | 78066    | 10.56  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.74 | 176  | 63321    | 12.51  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.59 | 188  | 110345   | 10.26  | ng/ul  | 0.00     |
| 19) Pyrene-d10              | 19.87 | 212  | 157868   | 8.28   | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.84 | 264  | 173949   | 11.87  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 4) Naphthalene              | 11.00 | 128  | 45869    | 9.888  | ng/ul  | 97       |
| 5) 2-Methylnaphthalene      | 12.60 | 142  | 38211    | 10.884 | ng/ul  | 92       |
| 8) Acenaphthylene           | 14.49 | 152  | 68636    | 9.481  | ng/ul  | 98       |
| 9) Acenaphthene             | 14.82 | 153  | 49956    | 10.134 | ng/ul  | 98       |
| 11) Fluorene                | 15.80 | 166  | 62651    | 11.098 | ng/ul  | 99       |
| 13) Pentachlorophenol       | 17.16 | 266  | 9317m    | 9.777  | ng/uL  |          |
| 14) Phenanthrene            | 17.53 | 178  | 120155   | 9.810  | ng/ul  | 96       |
| 16) Anthracene              | 17.63 | 178  | 124172   | 9.732  | ng/ul  | 96       |
| 17) Fluoranthene            | 19.54 | 202  | 181772   | 15.077 | ng/ul# | 83       |
| 20) Pyrene                  | 19.90 | 202  | 184903   | 7.799  | ng/ul# | 80       |
| 21) Benzo(a)anthracene      | 21.75 | 228  | 214525   | 10.591 | ng/ul  | 99       |
| 22) Chrysene                | 21.82 | 228  | 205660   | 11.210 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 24.02 | 252  | 215727   | 11.412 | ng/ul# | 93       |
| 25) Benzo(k)fluoranthene    | 24.09 | 252  | 217139   | 11.869 | ng/ul# | 94       |
| 27) Benzo(a)pyrene          | 24.91 | 252  | 204345   | 11.430 | ng/ul# | 93       |
| 28) Indeno(1,2,3-cd)pyrene  | 28.84 | 276  | 229004   | 9.724  | ng/ul# | 89       |
| 29) Dibenzo(a,h)anthracene  | 28.90 | 278  | 191444   | 9.714  | ng/ul# | 88       |
| 30) Benzo(g,h,i)perylene    | 30.04 | 276  | 191295   | 10.189 | ng/ul# | 81       |

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

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