

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\

Data File : BN005330.D

Acq On : 26 Apr 2019 23:22

Operator : JU/SJ

Sample : K2455-17ME

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Apr 26 23:54:49 2019

Response via : Initial Calibration

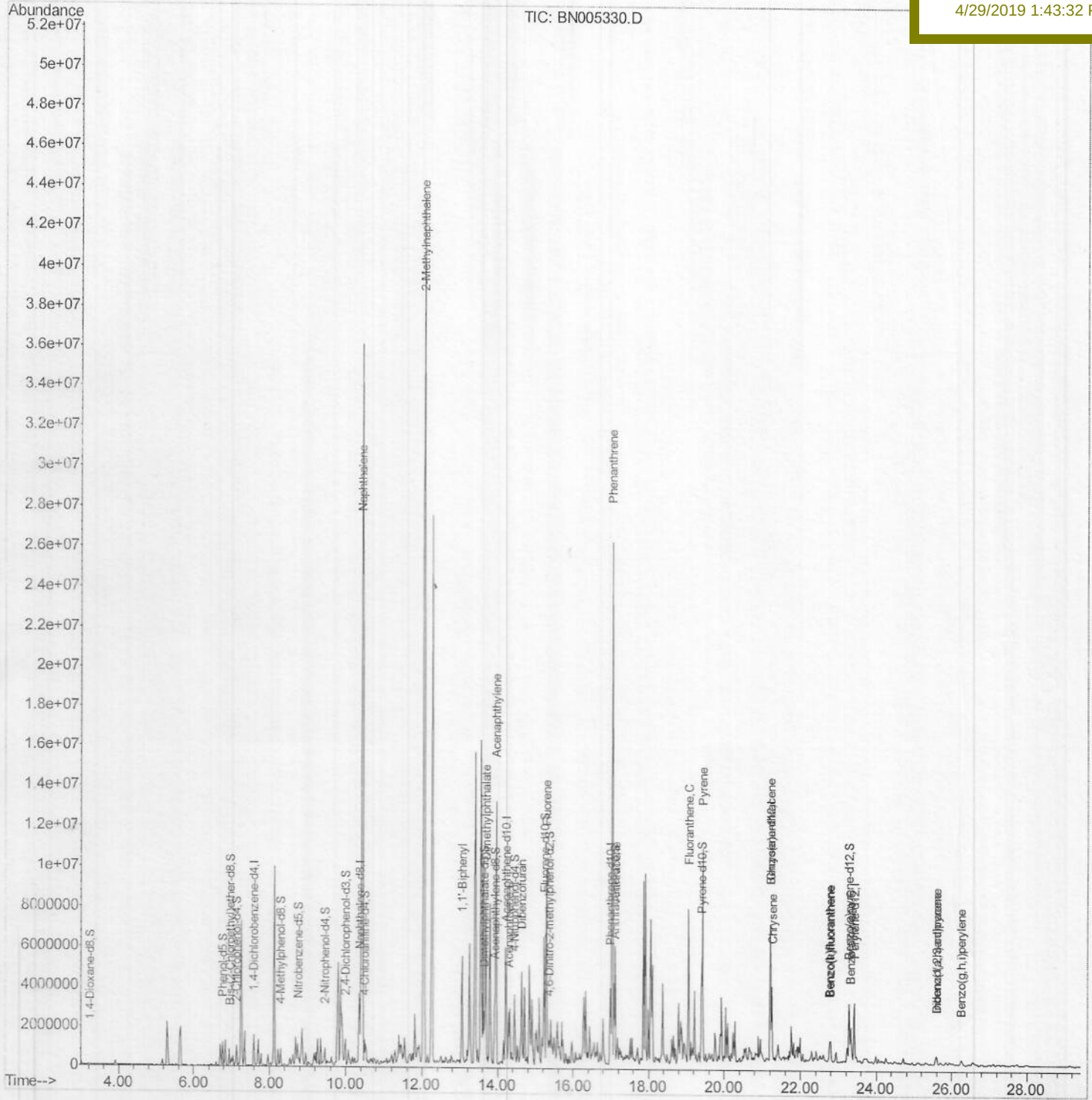
BNA\_N

GAHR7ME

## Manual Integrations

Sohil

4/29/2019 1:43:32 PM



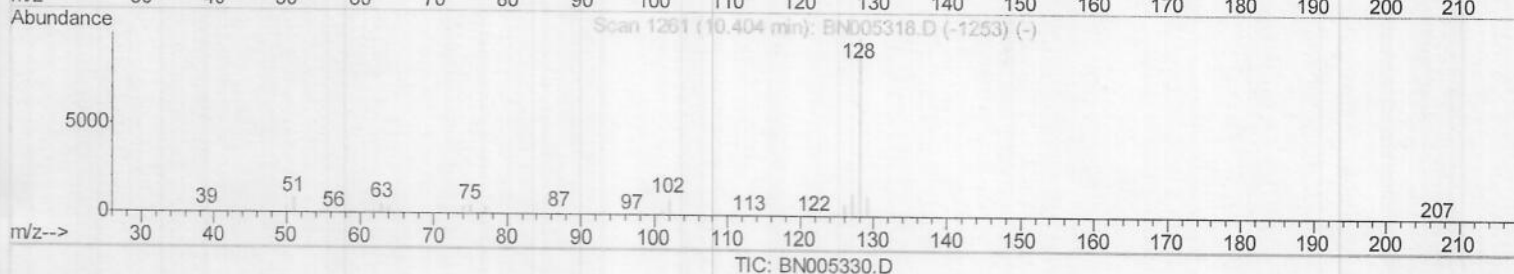
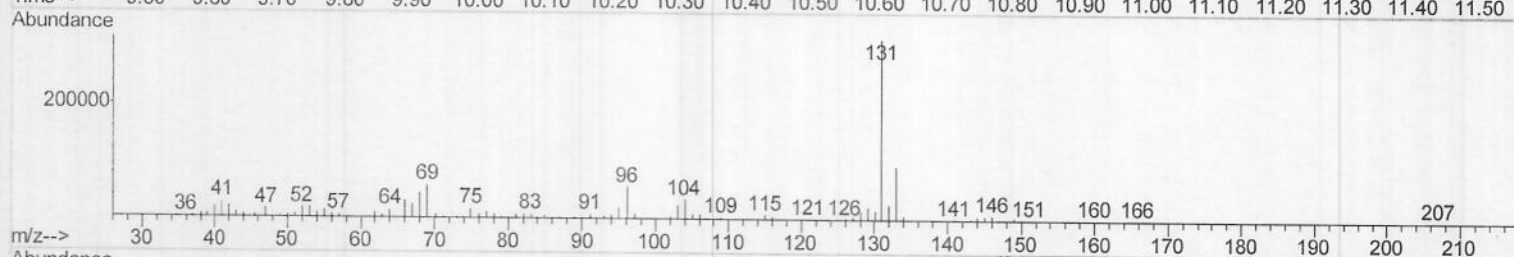
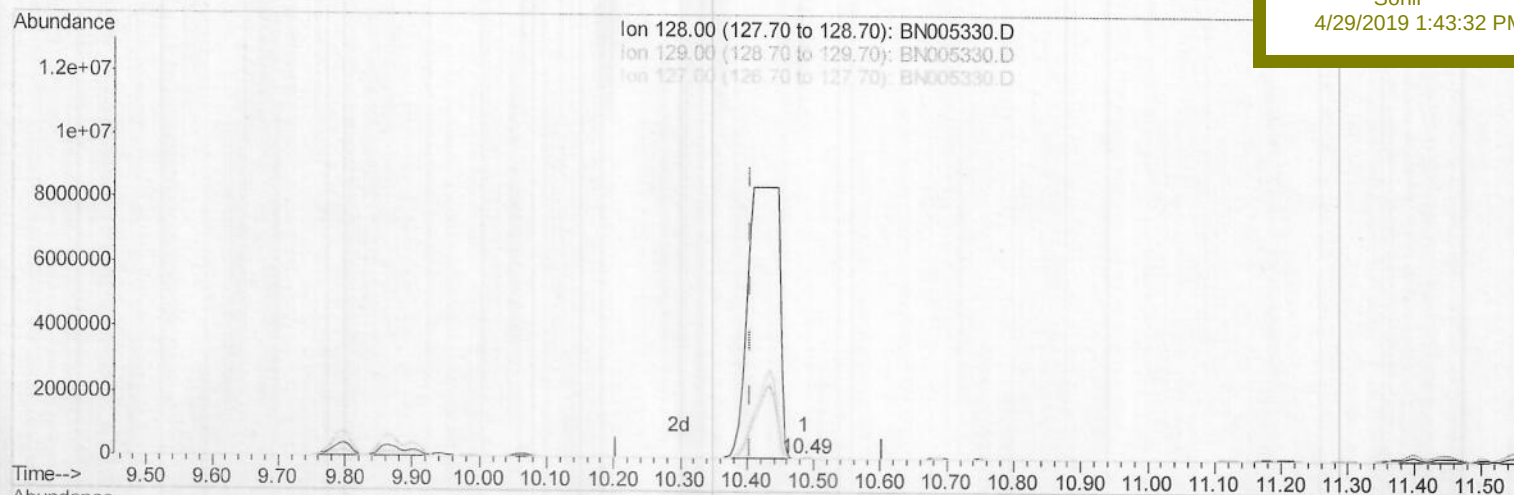
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\  
Data File : BN005330.D  
Acq On : 26 Apr 2019 23:22  
Operator : JU/SJ  
Sample : K2455-17ME  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 26 23:54:49 2019  
Response via : Initial Calibration

Instrument :  
BNA\_N  
Client Sample Id :  
GAHR7ME

Manual Integrations  
APPROVED

Sohil  
4/29/2019 1:43:32 PM



(28) Naphthalene

10.487min (+0.083) 0.42ng/ul

response 33294

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 128.00 | 100   | 100     |
| 129.00 | 11.50 | 139.30# |
| 127.00 | 13.40 | 26.26#  |
| 0.00   | 0.00  | 0.00    |



# Quantitation Report (Qedit)

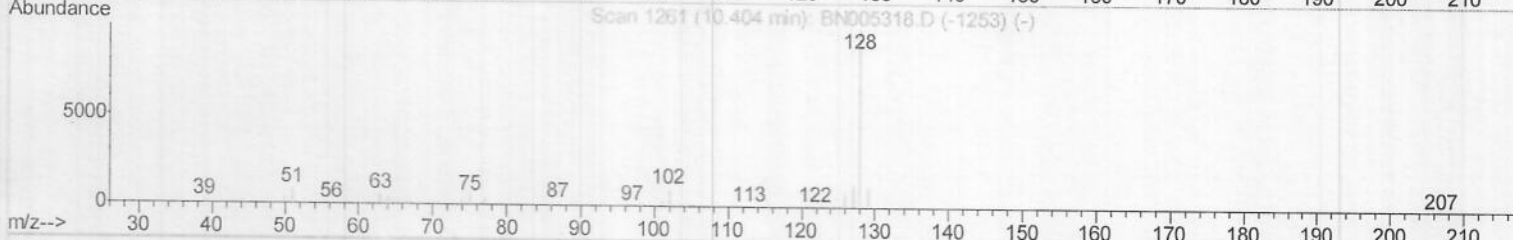
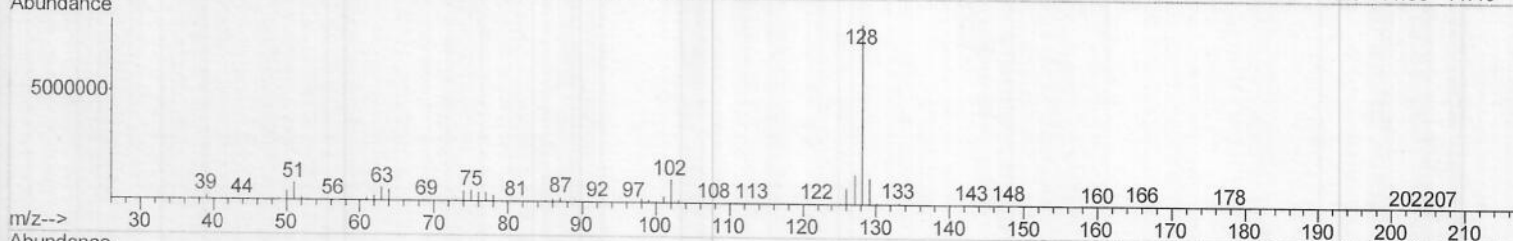
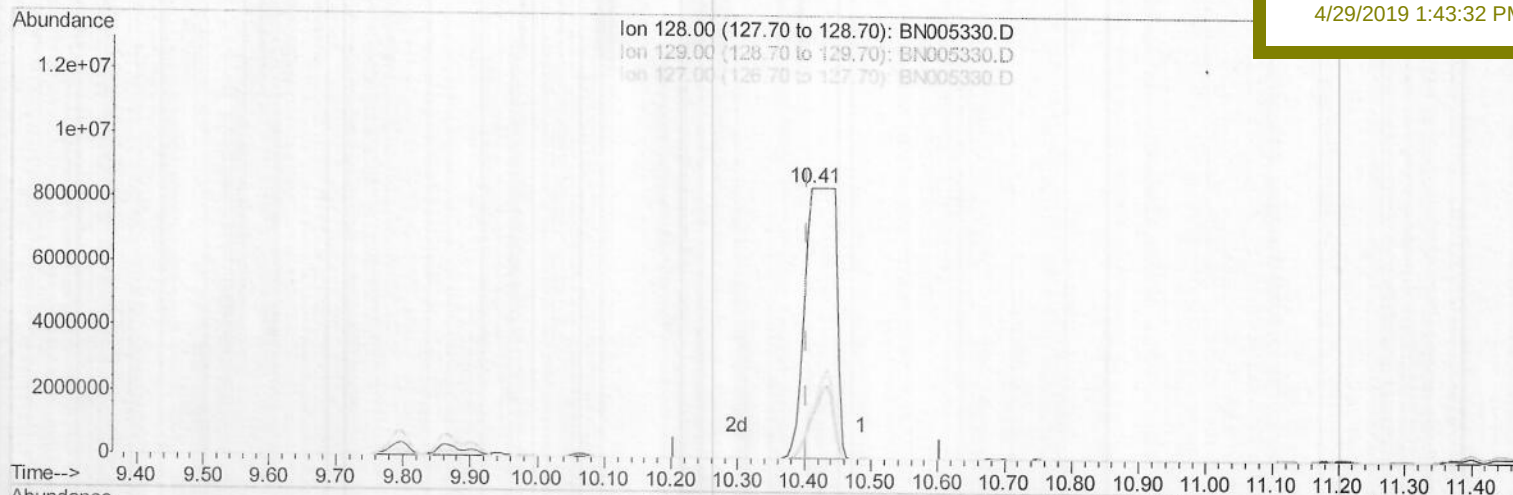
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\  
 Data File : BN005330.D  
 Acq On : 26 Apr 2019 23:22  
 Operator : JU/SJ  
 Sample : K2455-17ME  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 26 23:54:49 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_N  
 Client Sampled :  
 GAHR7ME

Manual Integrations  
 APPROVED

Sohil  
 4/29/2019 1:43:32 PM



TIC: BN005330.D

(28) Naphthalene

10.410min (+0.006) 344.21ng/ul m

response 27302473

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 128.00 | 100   | 100    |
| 129.00 | 11.50 | 14.43# |
| 127.00 | 13.40 | 16.41# |
| 0.00   | 0.00  | 0.00   |

*SJ*  
*05/02/19*

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\  
Data File : BN005330.D  
Acq On : 26 Apr 2019 23:22  
Operator : JU/SJ  
Sample : K2455-17ME  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 26 23:54:49 2019  
Response via : Initial Calibration

Instrument :

BNA\_N

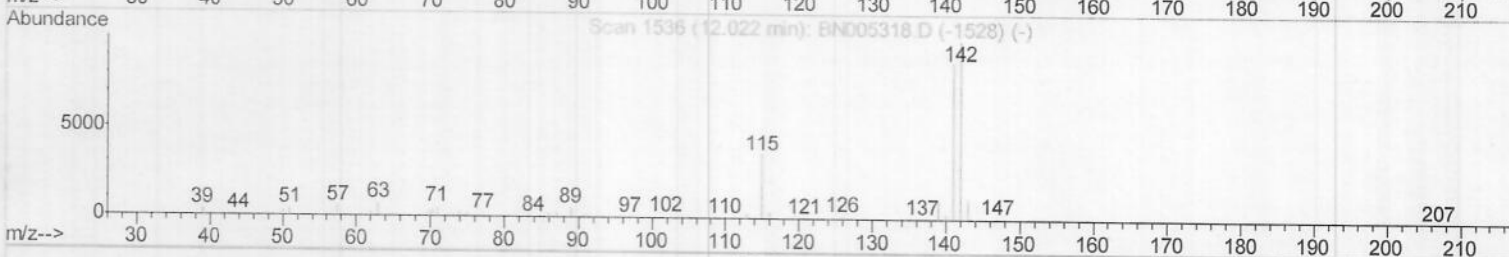
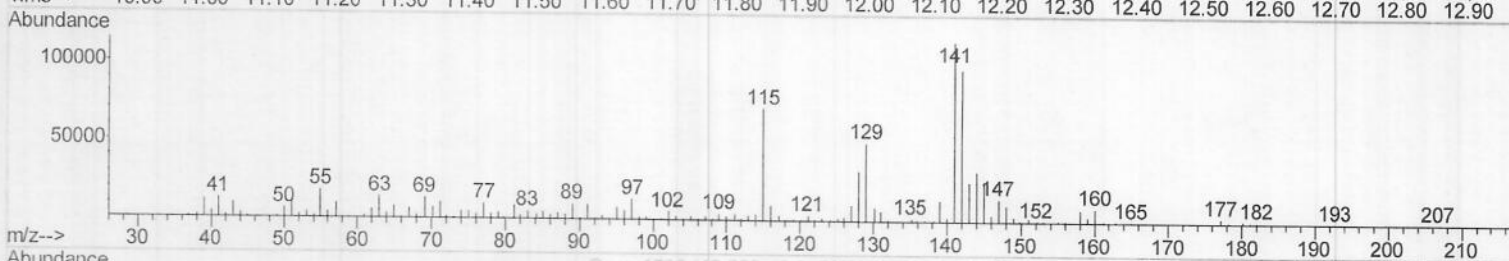
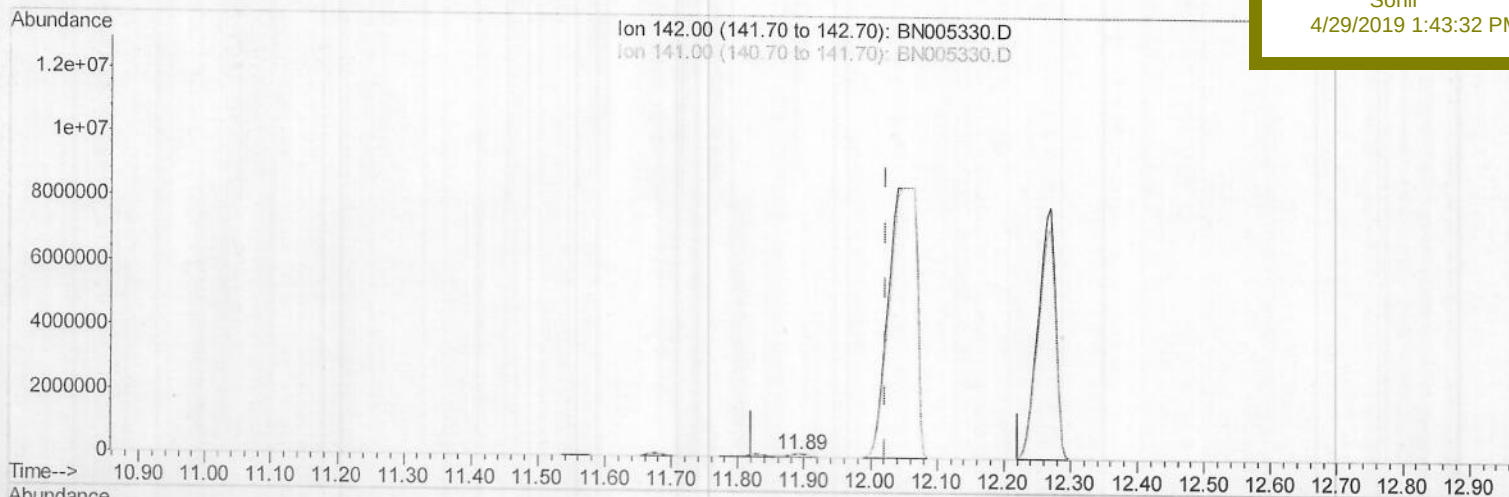
Client Sample Id :

GAHR7ME

Manual Integrations  
APPROVED

Sohil

4/29/2019 1:43:32 PM



TIC: BN005330.D

(34) 2-Methylnaphthalene

11.893min (-0.129) 3.68ng/ul

response 213460

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 142.00 | 100   | 100     |
| 141.00 | 90.00 | 118.31# |
| 0.00   | 0.00  | 0.00    |
| 0.00   | 0.00  | 0.00    |



# Quantitation Report (Qedit)

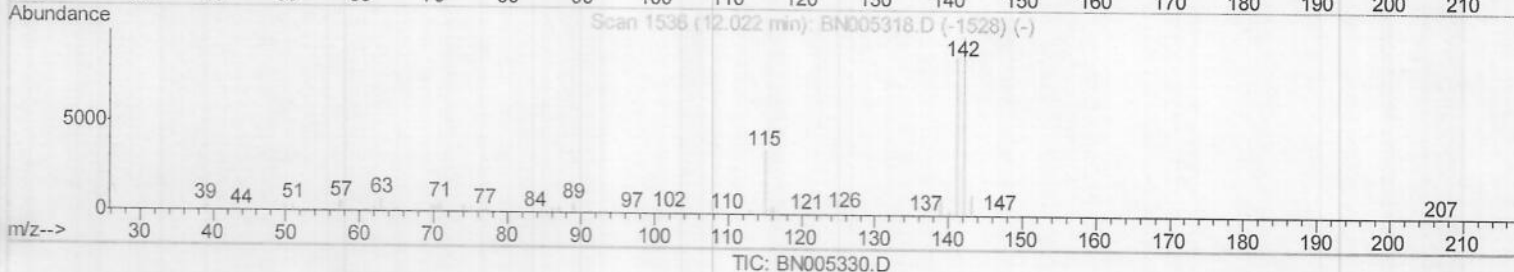
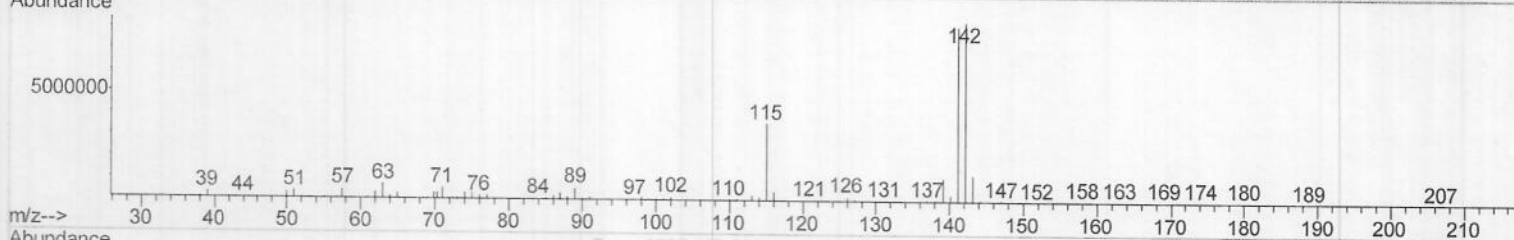
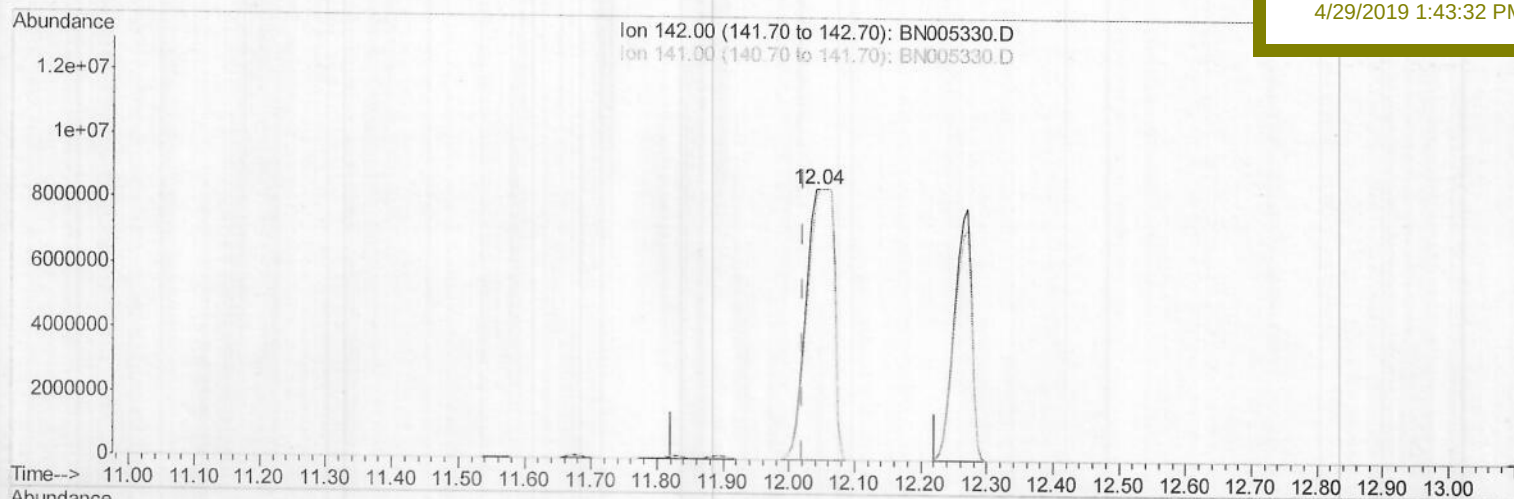
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\  
 Data File : BN005330.D  
 Acq On : 26 Apr 2019 23:22  
 Operator : JU/SJ  
 Sample : K2455-17ME  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 26 23:54:49 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHR7ME

Manual Integrations  
 APPROVED

Sohil  
 4/29/2019 1:43:32 PM



(34) 2-Methylnaphthalene

12.040min (+0.018) 427.93ng/ul m

response 24853764

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 142.00 | 100   | 100   |
| 141.00 | 90.00 | 96.95 |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

SJ  
 05/02/19

## Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\

Data File : BN005330.D

Acq On : 26 Apr 2019 23:22

Operator : JU/SJ

Sample : K2455-17ME

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Apr 26 23:54:49 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

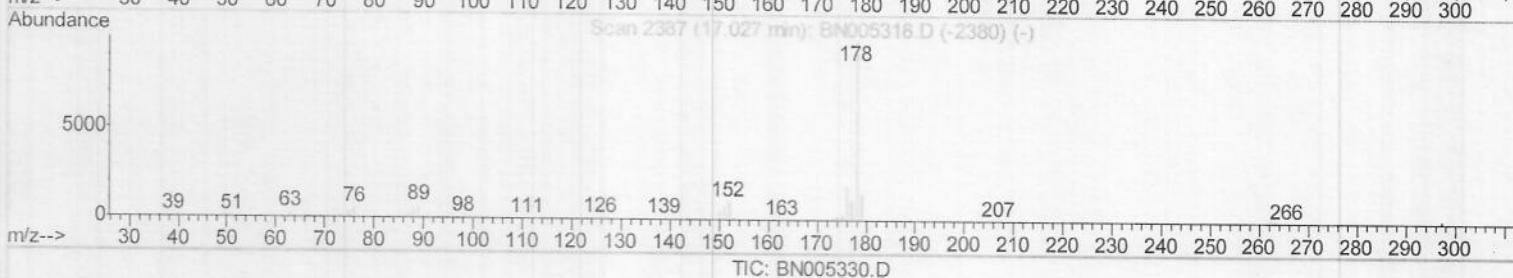
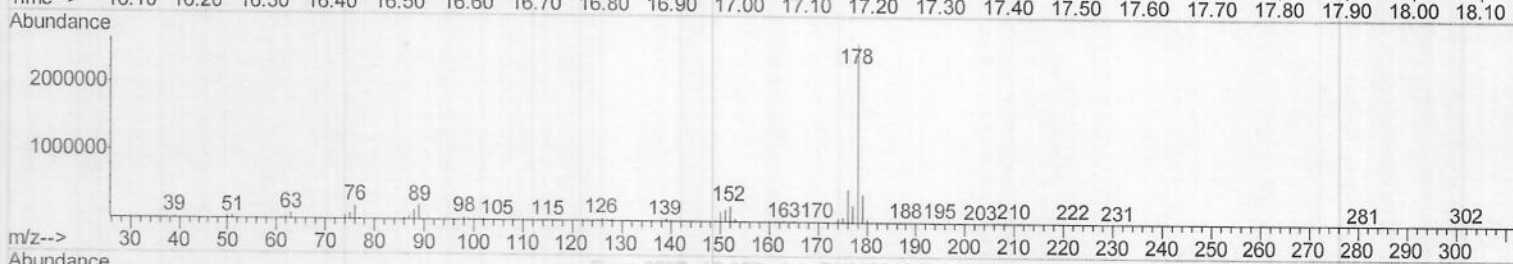
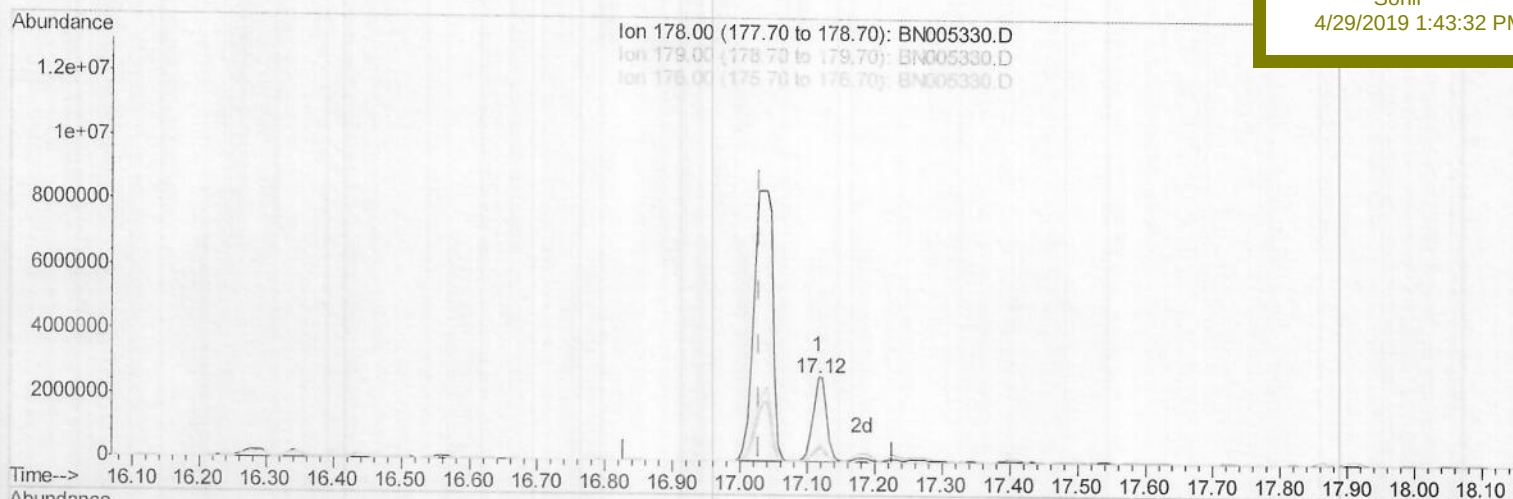
GAHR7ME

Manual Integrations

APPROVED

Sohil

4/29/2019 1:43:32 PM



(69) Phenanthrene

17.116min (+0.089) 30.77ng/ul

response 3693640

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.30 | 15.50 |
| 176.00 | 18.90 | 18.26 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\

Data File : BN005330.D

Acq On : 26 Apr 2019 23:22

Operator : JU/SJ

Sample : K2455-17ME

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Apr 26 23:54:49 2019

Response via : Initial Calibration

Instrument :

BNA\_N

Client Sampled :

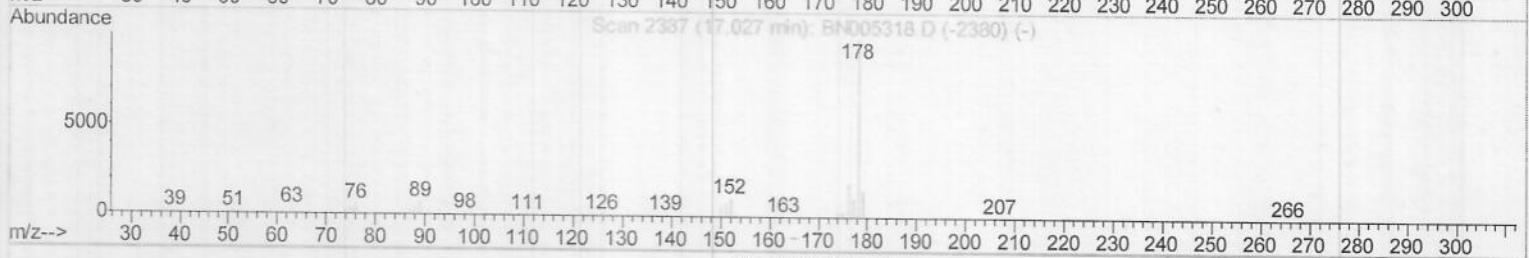
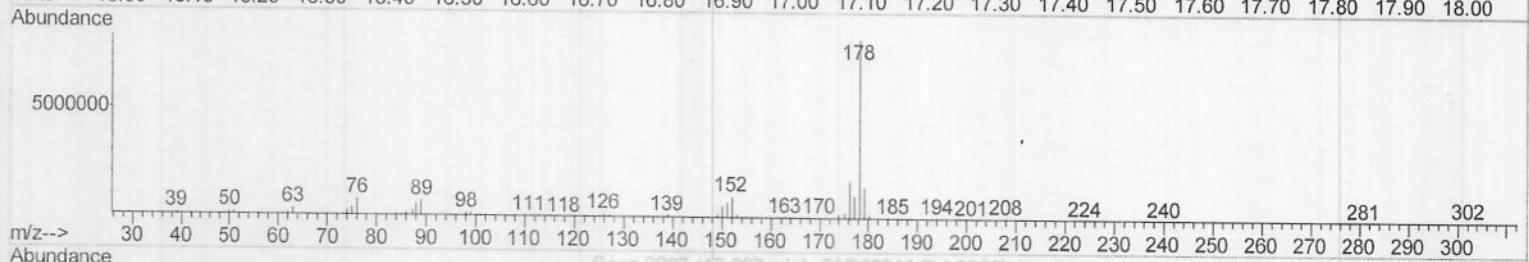
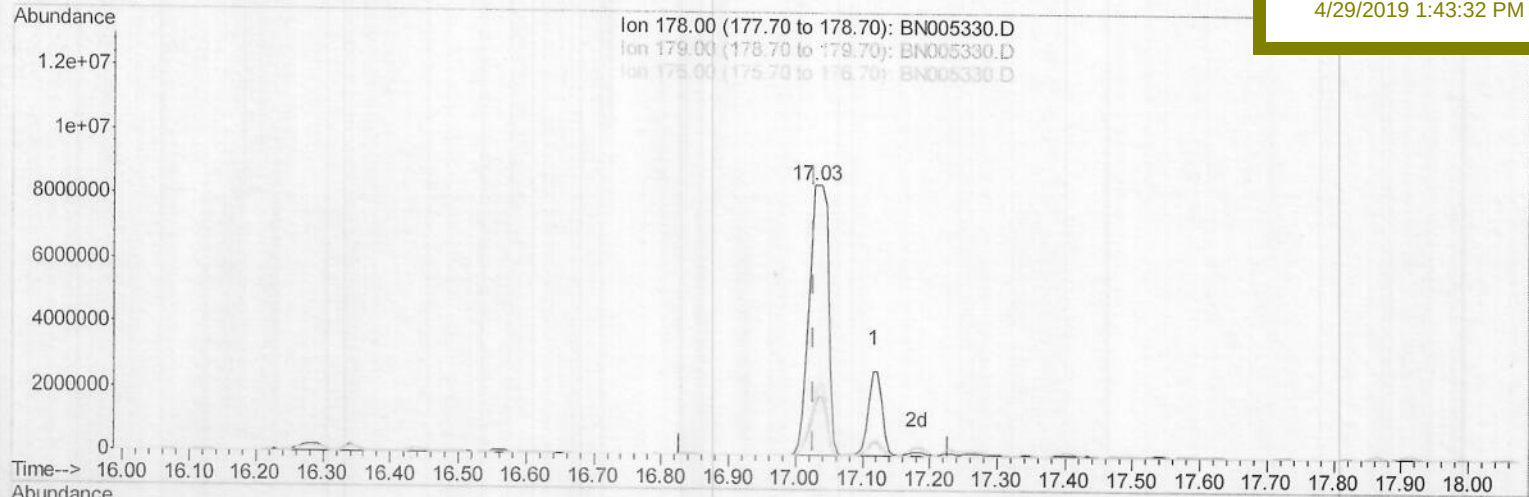
GAHR7ME

Manual Integrations

APPROVED

Sohil

4/29/2019 1:43:32 PM



(69) Phenanthrene

17.028min (+0.000) 137.51ng/ul m

response 16506223

Ion Exp% Act%

178.00 100 100

179.00 15.30 17.16

176.00 18.90 20.59

0.00 0.00 0.00

SJ  
05/02/19

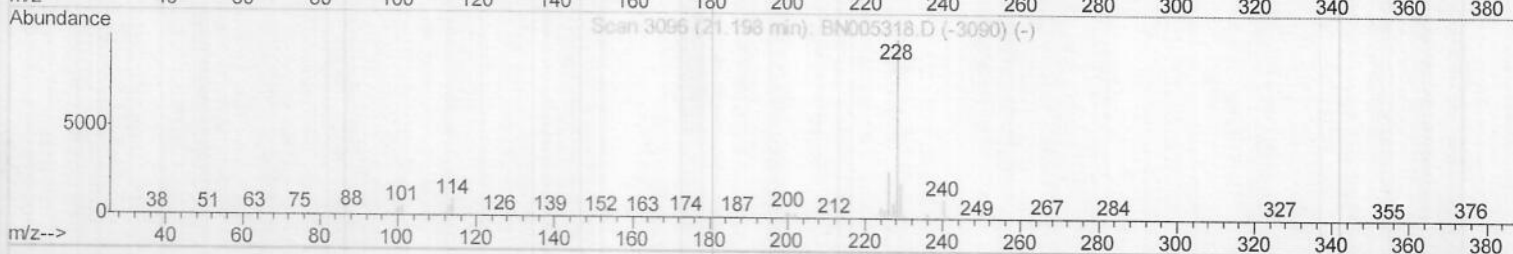
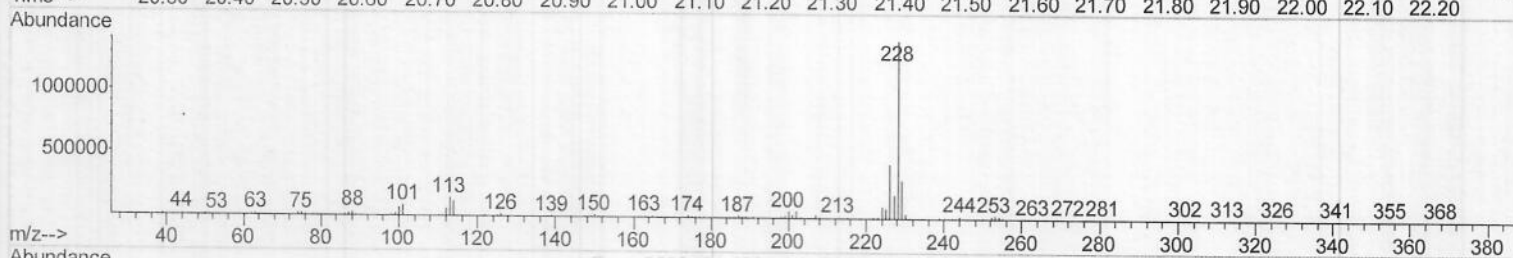
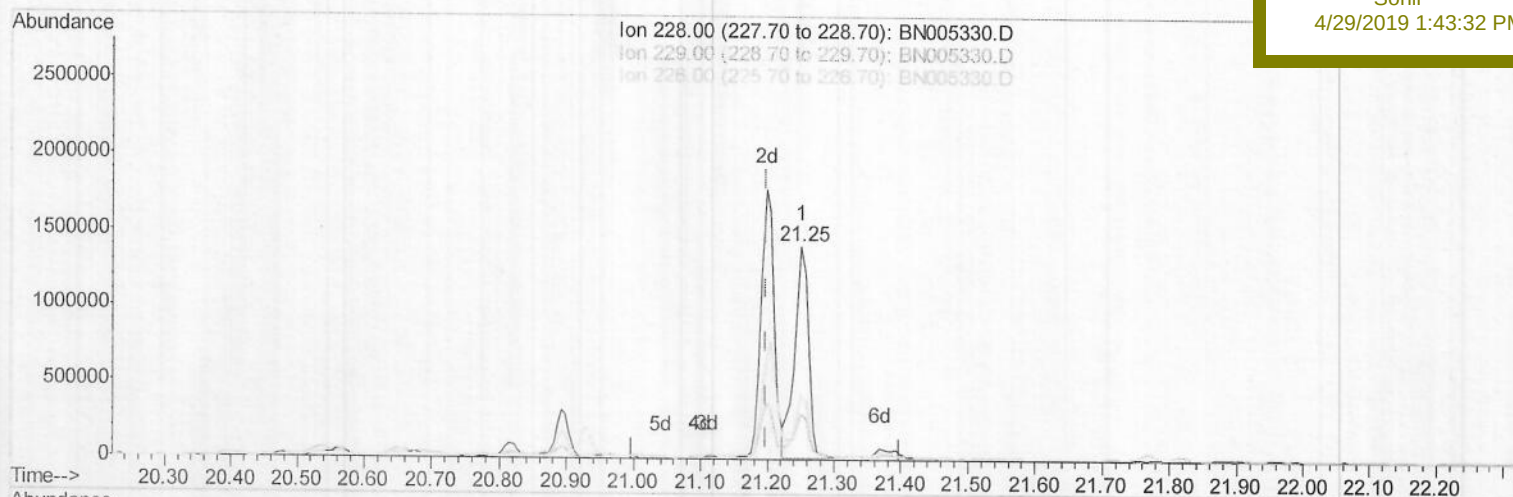
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\  
Data File : BN005330.D  
Acq On : 26 Apr 2019 23:22  
Operator : JU/SJ  
Sample : K2455-17ME  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 26 23:54:49 2019  
Response via : Initial Calibration

Instrument :  
BNA\_N  
ClientSampleID :  
GAHR7ME

Manual Integrations  
APPROVED

Sohil  
4/29/2019 1:43:32 PM



TIC: BN005330.D

(82) Benzo(a)anthracene  
21.251min (+0.053) 14.27ng/ul  
response 2009951

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.70 | 21.03 |
| 226.00 | 26.80 | 30.19 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\

Data File : BN005330.D

Acq On : 26 Apr 2019 23:22

Operator : JU/SJ

Sample : K2455-17ME

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Apr 26 23:54:49 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

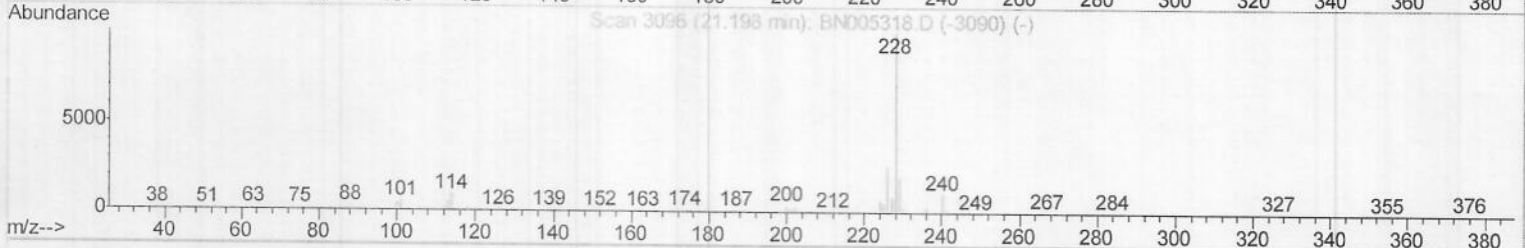
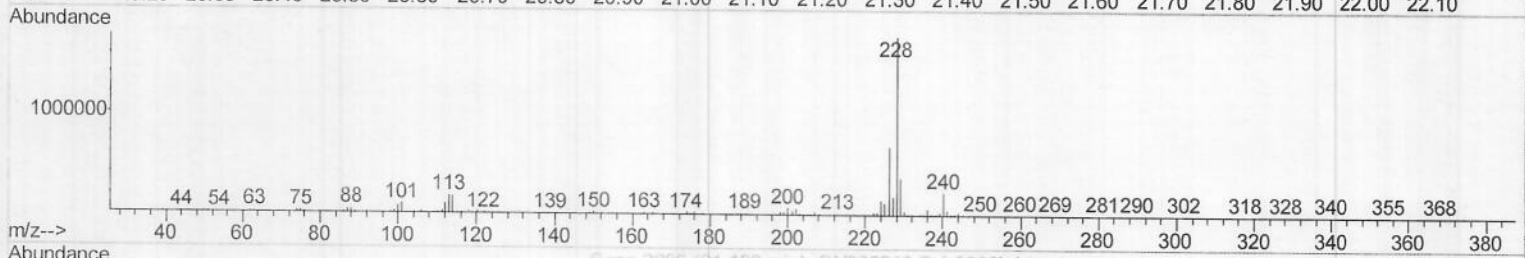
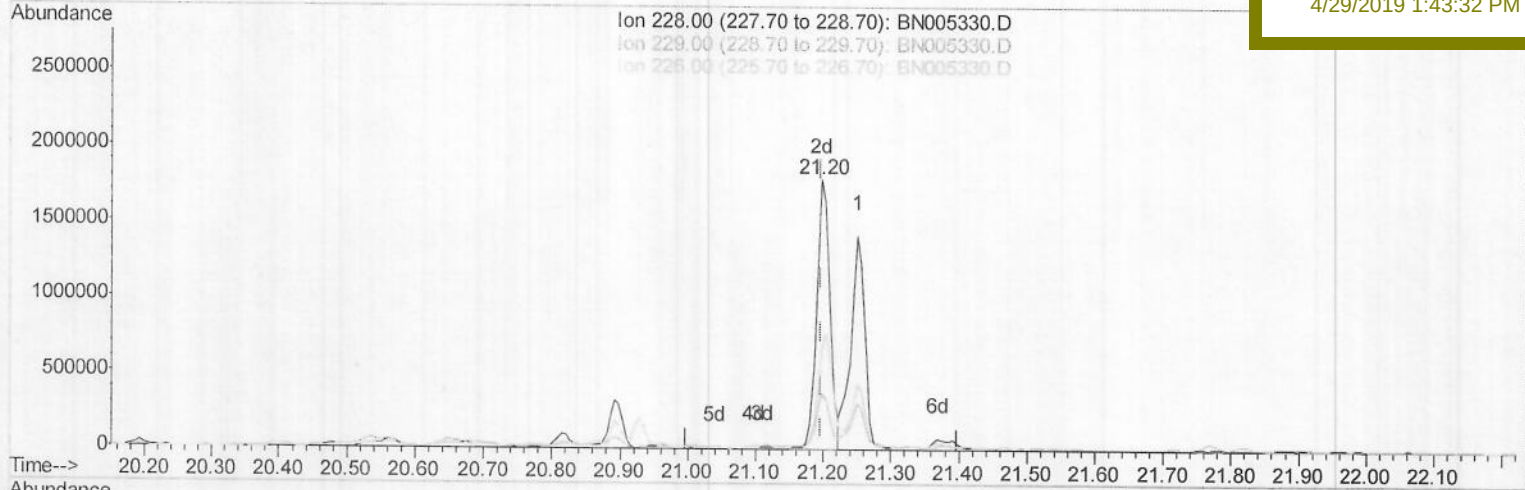
GAHR7ME

Manual Integrations

APPROVED

Sohil

4/29/2019 1:43:32 PM



TIC: BN005330.D

(82) Benzo(a)anthracene

21.198min (+0.000) 17.20ng/ul m

response 2423817

Ion Exp% Act%

228.00 100 100

229.00 19.70 20.91

226.00 26.80 37.37#

0.00 0.00 0.00

57  
05/02/19

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\  
Data File : BN005330.D  
Acq On : 26 Apr 2019 23:22  
Operator : JU/SJ  
Sample : K2455-17ME  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 26 23:54:49 2019  
Response via : Initial Calibration

Instrument :

BNA\_N

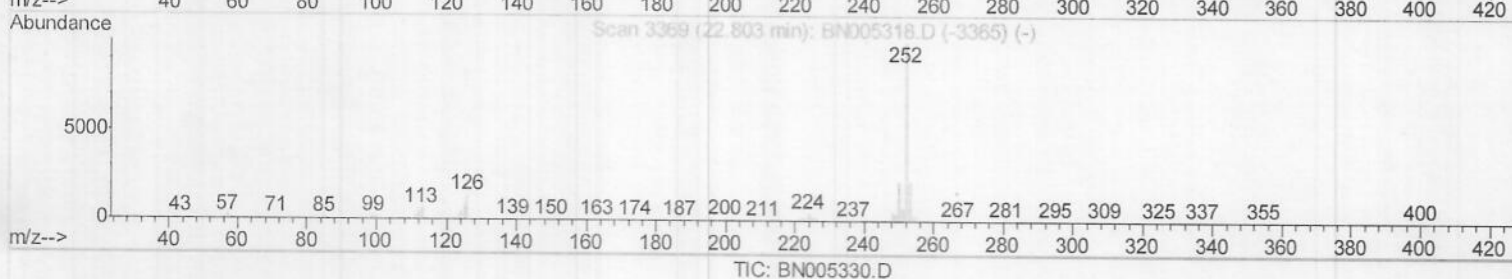
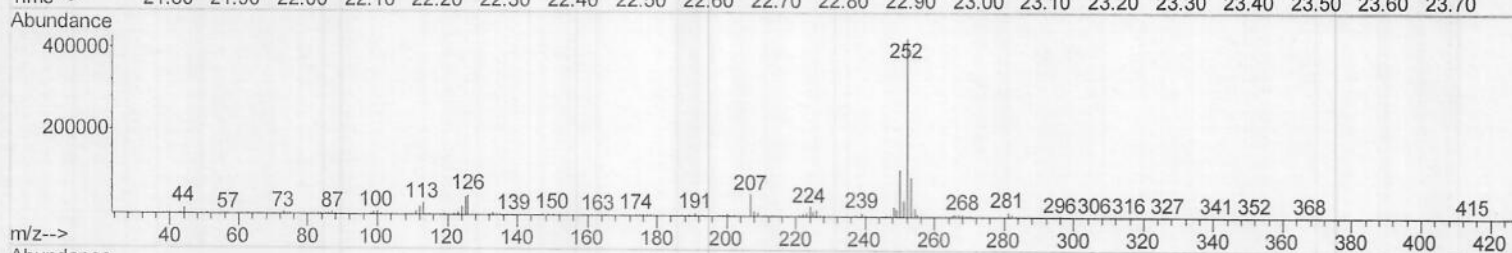
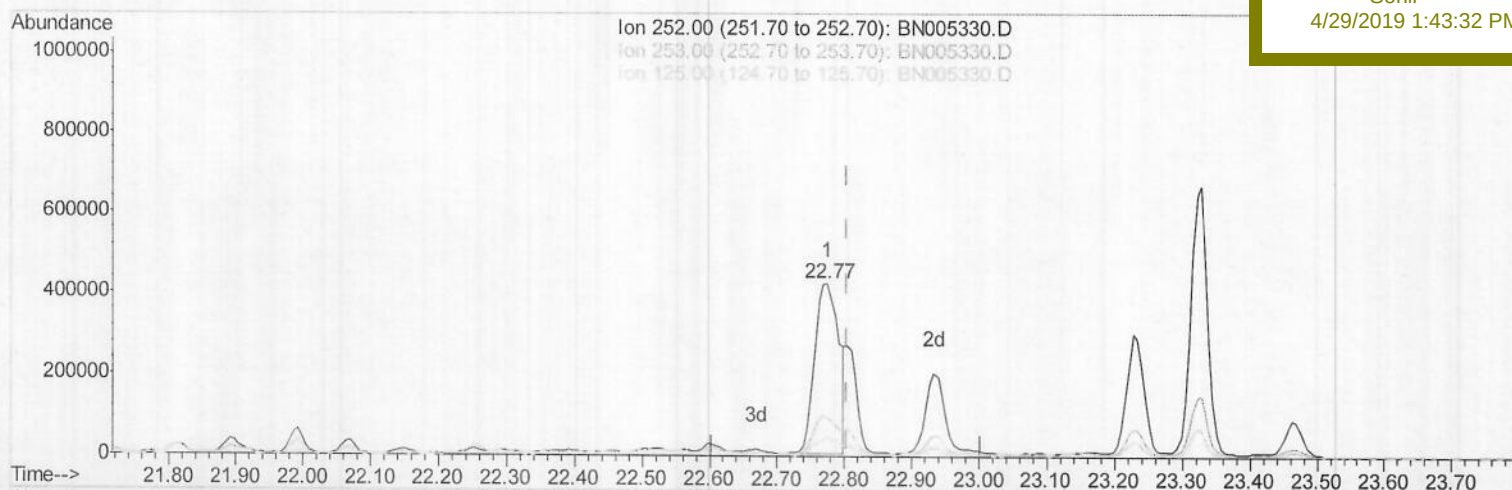
ClientSampleId :

GAHR7ME

Manual Integrations  
APPROVED

Sohil

4/29/2019 1:43:32 PM



(88) Benzo(k)fluoranthene

22.774min (-0.029) 9.25ng/ul

response 1047301

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.08 |
| 125.00 | 9.40  | 10.52 |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\  
Data File : BN005330.D  
Acq On : 26 Apr 2019 23:22  
Operator : JU/SJ  
Sample : K2455-17ME  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 01:51:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 26 23:54:49 2019  
Response via : Initial Calibration

Instrument :

BNA\_N

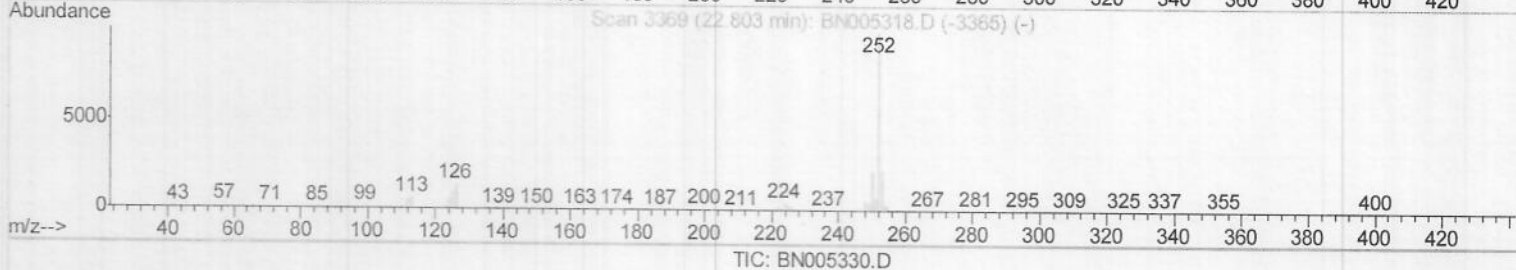
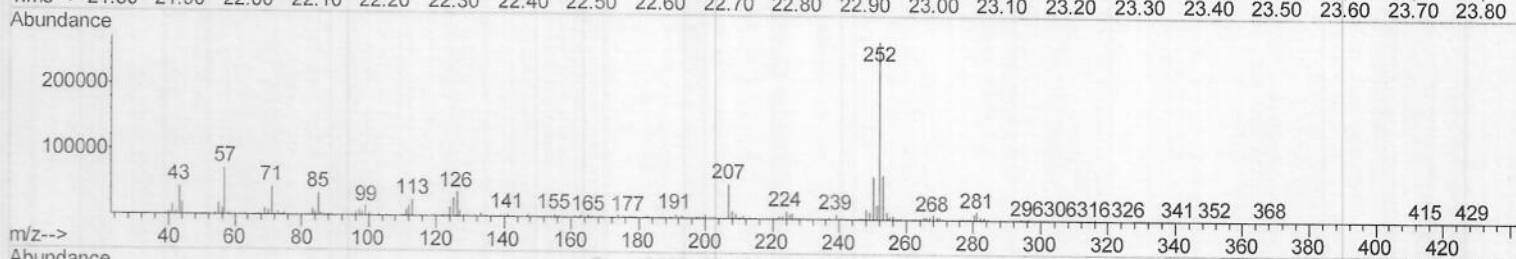
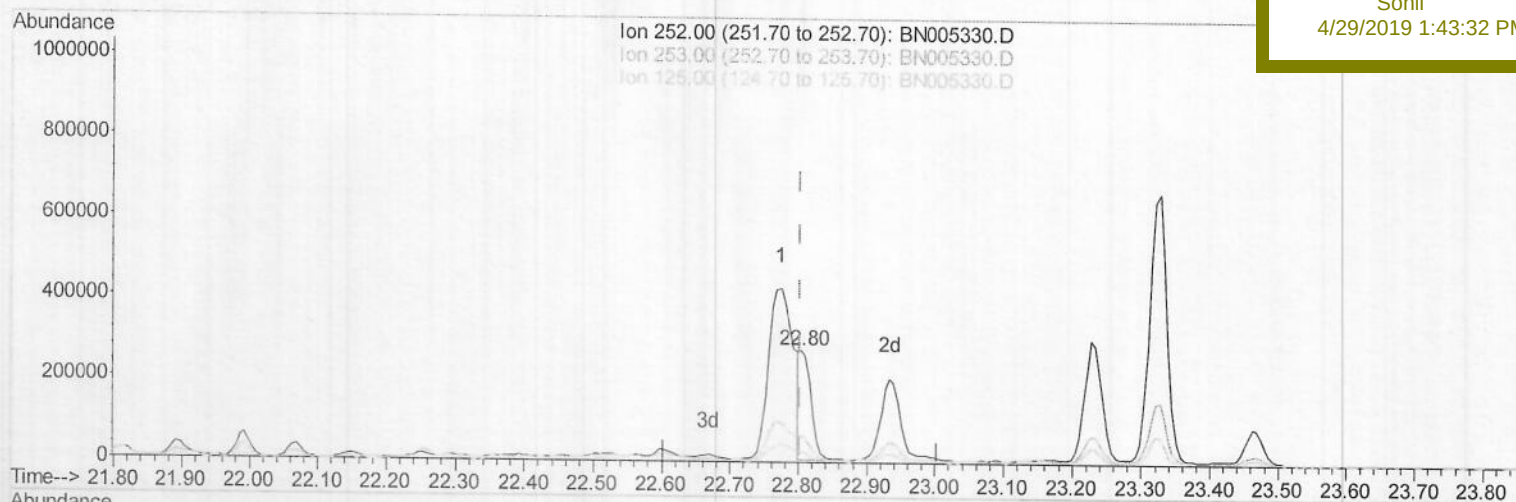
Client Sample ID :

GAHR7ME

Manual Integrations  
APPROVED

Sohil

4/29/2019 1:43:32 PM



(88) Benzo(k)fluoranthene

22.804min (+0.000) 2.74ng/ul m

response 309836

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 24.79 |
| 125.00 | 9.40  | 10.26 |
| 0.00   | 0.00  | 0.00  |

SJ  
05/02/19

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042619\  
 Data File : BN005330.D  
 Acq On : 26 Apr 2019 23:22  
 Operator : JU/SJ  
 Sample : K2455-17ME  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 Client Sampled :  
 GAHR7ME

Manual Integrations  
 APPROVED

Sohil  
 4/29/2019 1:43:32 PM

Quant Time: Apr 27 02:49:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 26 23:54:49 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 408529   | 20.00 | ng/ul | 0.00      |
| 18) Naphthalene-d8        | 10.36 | 136  | 1706225  | 20.00 | ng/ul | 0.00      |
| 35) Acenaphthene-d10      | 14.23 | 164  | 1085249  | 20.00 | ng/ul | 0.00      |
| 61) Phenanthrene-d10      | 16.99 | 188  | 2464804  | 20.00 | ng/ul | 0.00      |
| 77) Chrysene-d12          | 21.22 | 240  | 2264739  | 20.00 | ng/ul | 0.00      |
| 85) Perylene-d12          | 23.42 | 264  | 2107841  | 20.00 | ng/ul | 0.00      |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96   | 25271    | 2.99  | ng/uL | 0.00      |
| 5) Phenol-d5                   | 6.78  | 99   | 549046   | 17.11 | ng/ul | 0.00      |
| 7) Bis-(2-Chloroethyl) ether-d | 6.94  | 67   | 354569   | 17.71 | ng/ul | 0.00      |
| 9) 2-Chlorophenol-d4           | 7.13  | 132  | 456477   | 18.59 | ng/ul | 0.00      |
| 13) 4-Methylphenol-d8          | 8.29  | 113  | 330380   | 13.17 | ng/ul | 0.00      |
| 19) Nitrobenzene-d5            | 8.73  | 128  | 285129   | 27.15 | ng/ul | 0.00      |
| 22) 2-Nitrophenol-d4           | 9.45  | 143  | 271970   | 25.55 | ng/ul | 0.00      |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165  | 462315   | 18.94 | ng/ul | 0.00      |
| 29) 4-Chloroaniline-d4         | 10.49 | 131  | 657444   | 26.12 | ng/ul | 0.00      |
| 43) Dimethylphthalate-d6       | 13.65 | 166  | 1555166  | 19.74 | ng/ul | 0.00      |
| 46) Acenaphthylene-d8          | 13.92 | 160  | 1936391  | 20.01 | ng/ul | 0.00      |
| 51) 4-Nitrophenol-d4           | 14.43 | 143  | 216603   | 17.41 | ng/ul | 0.00      |
| 57) Fluorene-d10               | 15.23 | 176  | 1360701  | 20.58 | ng/ul | 0.00      |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200  | 183509   | 16.55 | ng/ul | 0.00      |
| 70) Anthracene-d10             | 17.09 | 188  | 2197046  | 21.26 | ng/ul | 0.00      |
| 78) Pyrene-d10                 | 19.40 | 212  | 2582611  | 22.29 | ng/ul | 0.00      |
| 89) Benzo(a)pyrene-d12         | 23.28 | 264  | 2113650  | 22.95 | ng/ul | 0.00      |

| Target Compounds           | R.T.  | QIon | Response  | Conc    | Units  | Qvalue |
|----------------------------|-------|------|-----------|---------|--------|--------|
| 28) Naphthalene            | 10.41 | 128  | 27302473m | 344.208 | ng/ul  |        |
| 34) 2-Methylnaphthalene    | 12.04 | 142  | 24853764m | 427.932 | ng/ul  |        |
| 40) 1,1'-Biphenyl          | 13.06 | 154  | 2582590   | 31.939  | ng/ul  | 99     |
| 44) Dimethylphthalate      | 13.69 | 163  | 180703    | 2.302   | ng/ul  | 99     |
| 47) Acenaphthylene         | 13.95 | 152  | 7158273   | 75.279  | ng/ul# | 96     |
| 49) Acenaphthene           | 14.29 | 153  | 886317    | 13.653  | ng/ul  | 99     |
| 53) Dibenzofuran           | 14.63 | 168  | 1266503   | 13.551  | ng/ul  | 96     |
| 58) Fluorene               | 15.29 | 166  | 4659924   | 63.894  | ng/ul  | 98     |
| 69) Phenanthrene           | 17.03 | 178  | 16506223m | 137.506 | ng/ul  |        |
| 71) Anthracene             | 17.12 | 178  | 3693640   | 30.205  | ng/ul  | 99     |
| 76) Fluoranthene           | 19.06 | 202  | 4184734   | 31.429  | ng/ul  | 98     |
| 79) Pyrene                 | 19.43 | 202  | 6559633   | 44.985  | ng/ul  | 98     |
| 82) Benzo(a)anthracene     | 21.20 | 228  | 2423817m  | 17.204  | ng/ul  |        |
| 84) Chrysene               | 21.25 | 228  | 2009951   | 15.371  | ng/ul  | 98     |
| 87) Benzo(b)fluoranthene   | 22.77 | 252  | 1047301   | 8.839   | ng/ul  | 100    |
| 88) Benzo(k)fluoranthene   | 22.80 | 252  | 309836m   | 2.738   | ng/ul  |        |
| 90) Benzo(a)pyrene         | 23.33 | 252  | 1138591   | 10.223  | ng/ul  | 98     |
| 91) Indeno(1,2,3-cd)pyrene | 25.60 | 276  | 342520    | 2.782   | ng/ul  | 97     |
| 92) Dibenzo(a,h)anthracene | 25.60 | 278  | 127676    | 1.222   | ng/ul# | 77     |
| 93) Benzo(g,h,i)perylene   | 26.26 | 276  | 281111    | 2.761   | ng/ul  | 99     |

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