

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\

Quantitation Report (QT Reviewed)

Data File : BM021855.D

Acq On : 05 Aug 2019 22:56

Operator : HP/JU

Sample : K3863-12DL 10X

Misc :

ALS Vial : 13 Sample Multiplier: 1

Instrument :

BNA\_M

ClientSampleId :

A52F2DL

Manual Integrations  
APPROVED

mohammad  
8/6/2019 9:09:09 AM

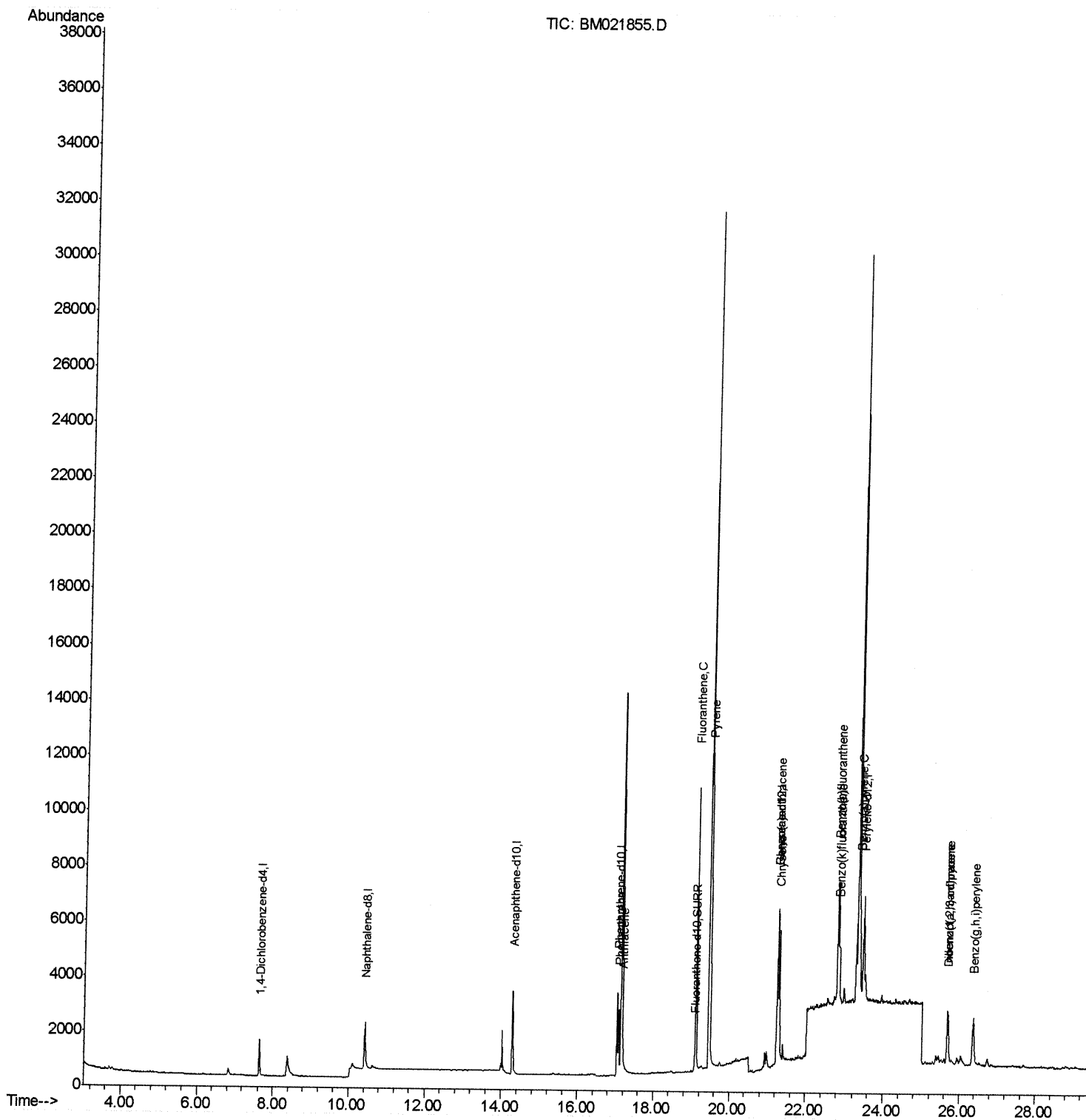
Quant Time: Aug 06 02:50:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 06 01:29:26 2019

Response via : Initial Calibration



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Quantitation Report (Qedit)

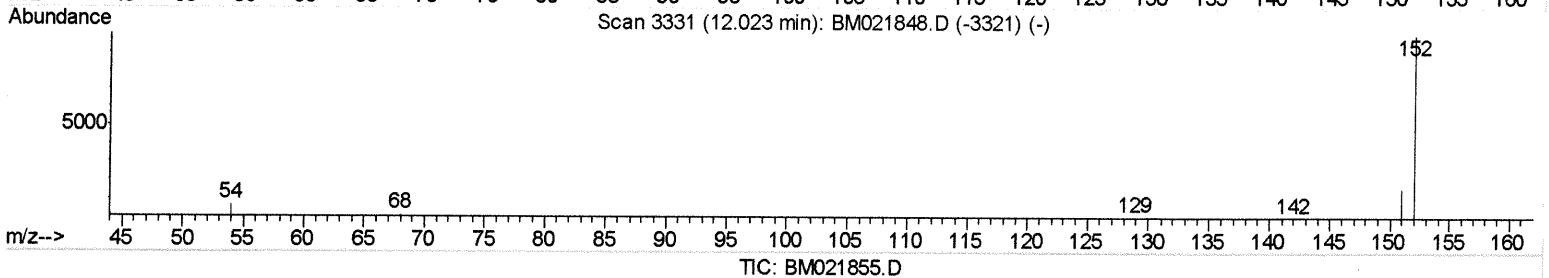
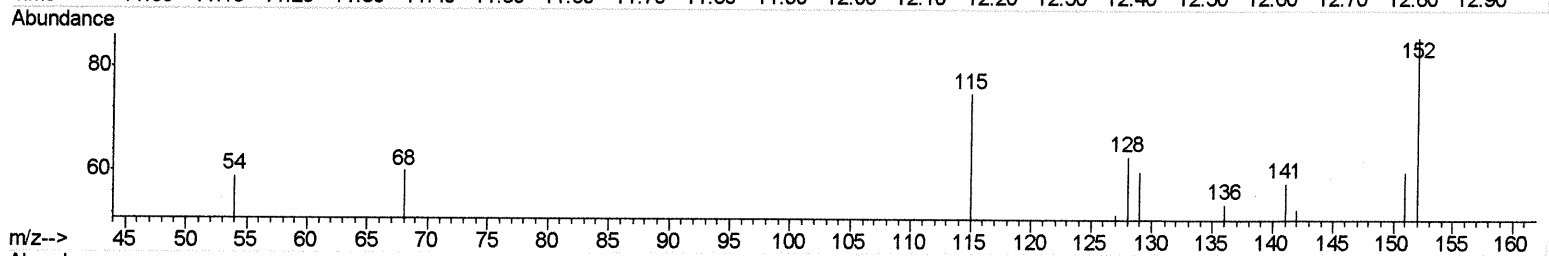
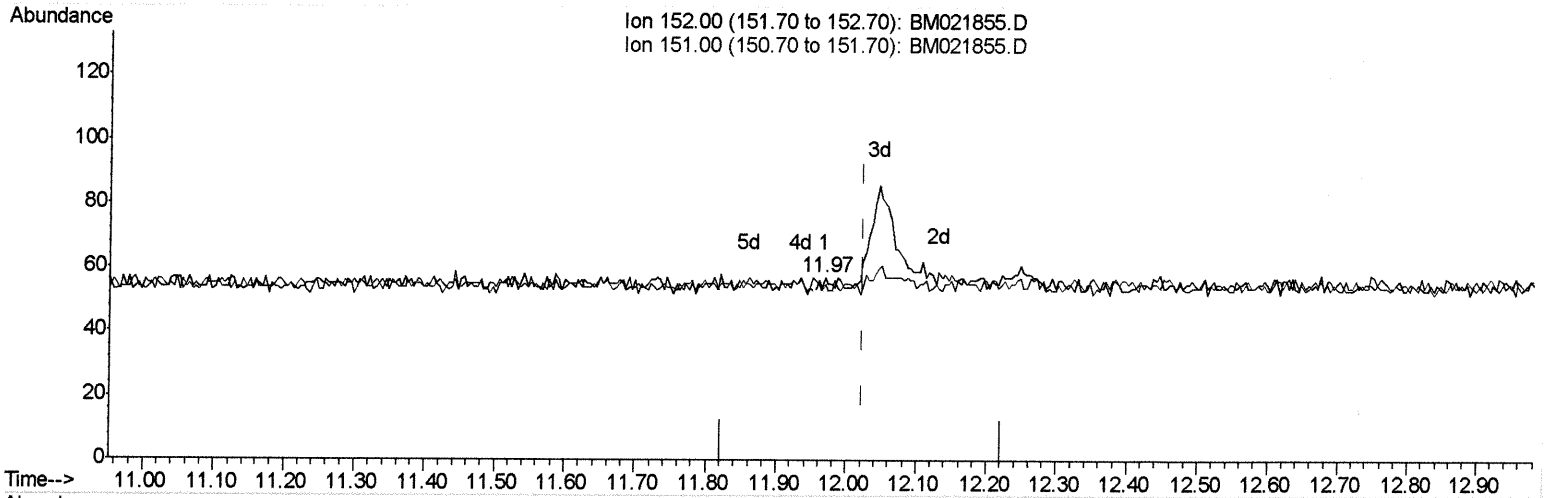
Data File : BM021855.D  
Acq On : 05 Aug 2019 22:56  
Operator : HP/JU  
Sample : K3863-12DL 10X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A52F2DL

Manual Integrations  
APPROVED

mohammad  
8/6/2019 9:09:09 AM

Quant Time: Aug 06 01:32:42 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 06 01:29:26 2019  
Response via : Initial Calibration



(4) 2-Methylnaphthalene-d10 (SURR)

11.969min (-0.054) 0.00ng/ui

response 4

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 152.00 | 100   | 100   |
| 151.00 | 21.20 | 25.00 |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Quantitation Report (Qedit)

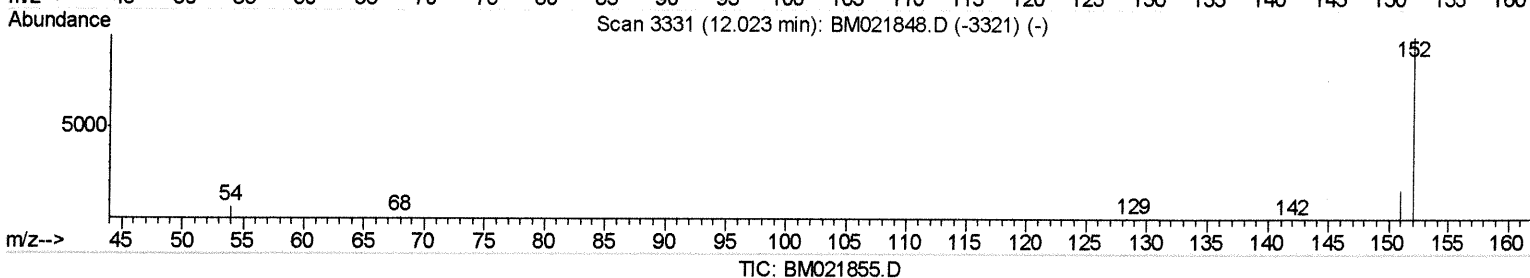
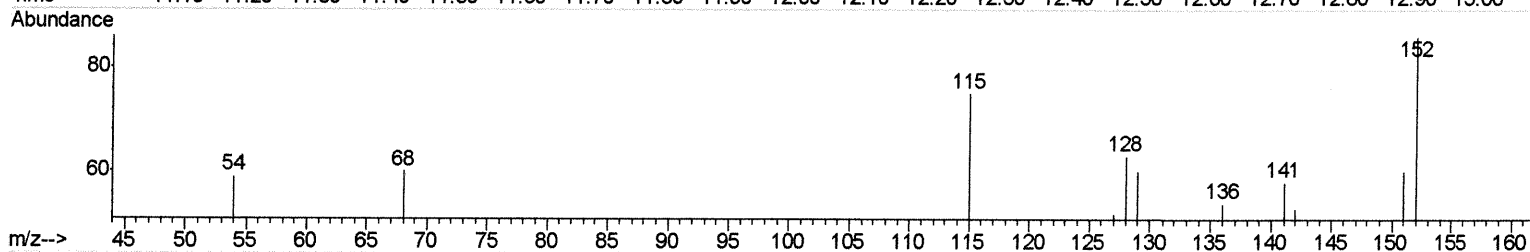
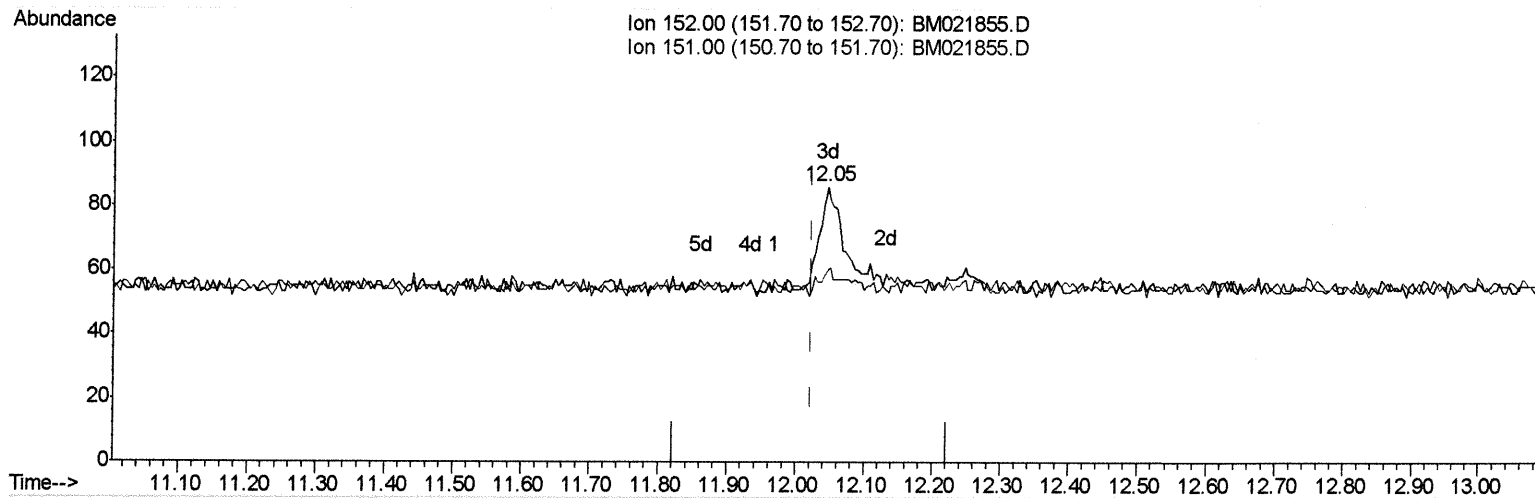
Data File : BM021855.D  
Acq On : 05 Aug 2019 22:56  
Operator : HP/JU  
Sample : K3863-12DL 10X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
A52F2DL

Manual Integrations  
APPROVED

mohammad  
8/6/2019 9:09:09 AM

Quant Time: Aug 06 01:32:42 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 06 01:29:26 2019  
Response via : Initial Calibration



(4) 2-Methylnaphthalene-d10 (SURR)

12.045min (+0.022) 0.01ng/ul m

JU  
08/06/19

response 77

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 152.00 | 100   | 100   |
| 151.00 | 21.20 | 1.30# |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Quantitation Report (Qedit)

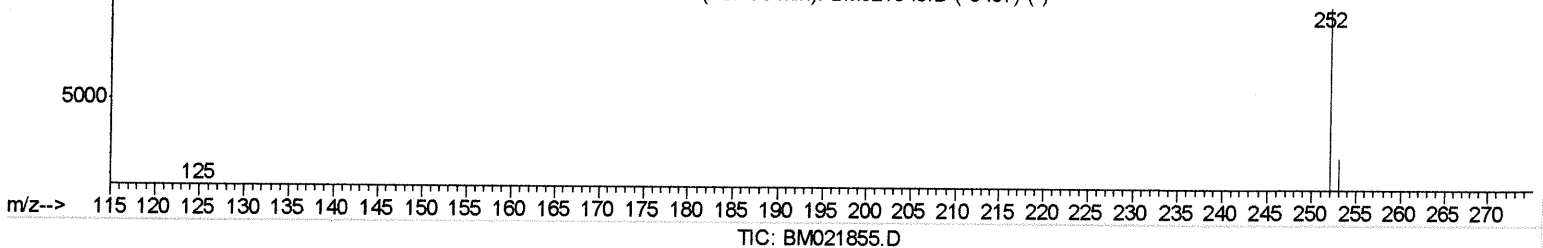
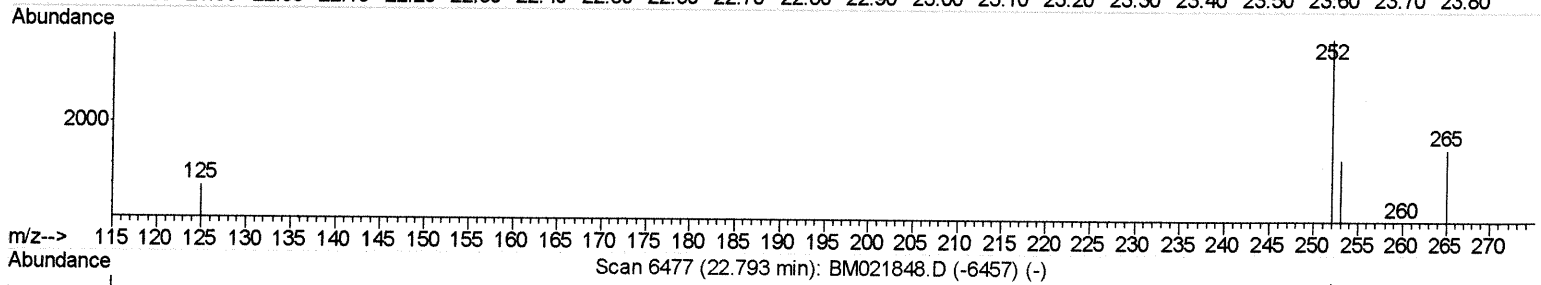
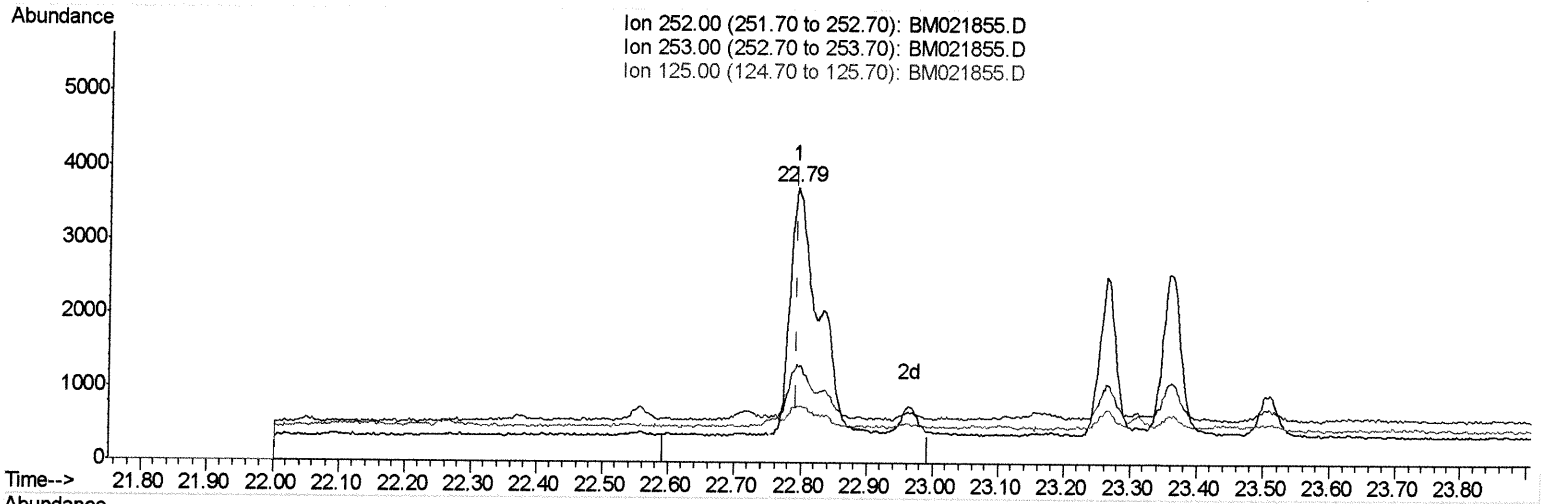
Data File : BM021855.D  
Acq On : 05 Aug 2019 22:56  
Operator : HP/JU  
Sample : K3863-12DL 10X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A52F2DL

Manual Integrations  
APPROVED

mohammad  
8/6/2019 9:09:09 AM

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Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.793min (-0.000) 0.52ng/ui

response 10012

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 36.11 |
| 125.00 | 15.50 | 20.47 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Quantitation Report (Qedit)

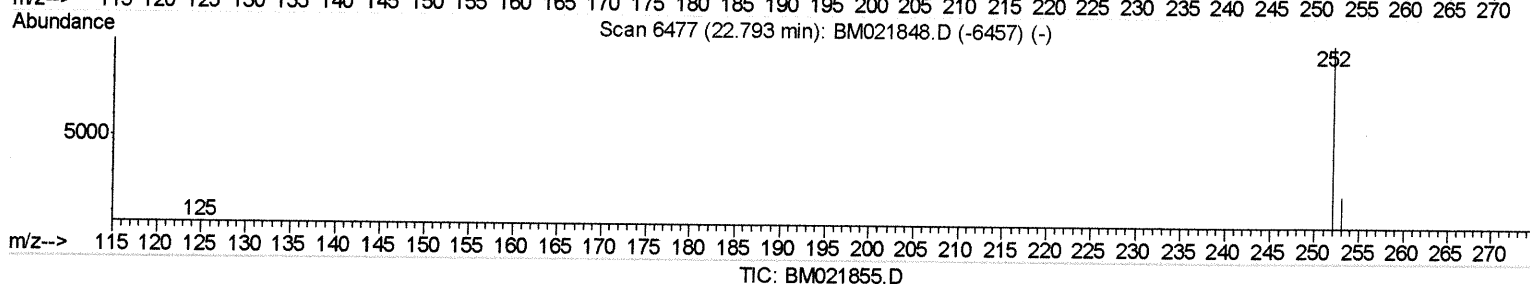
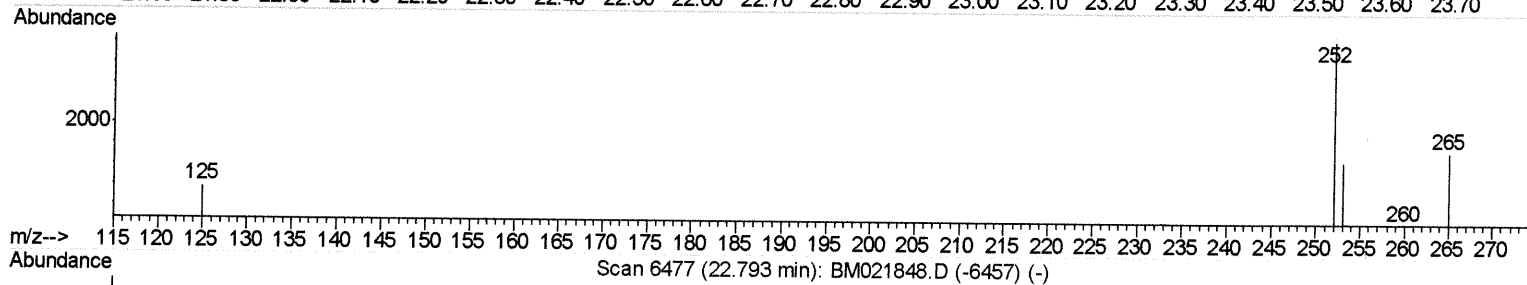
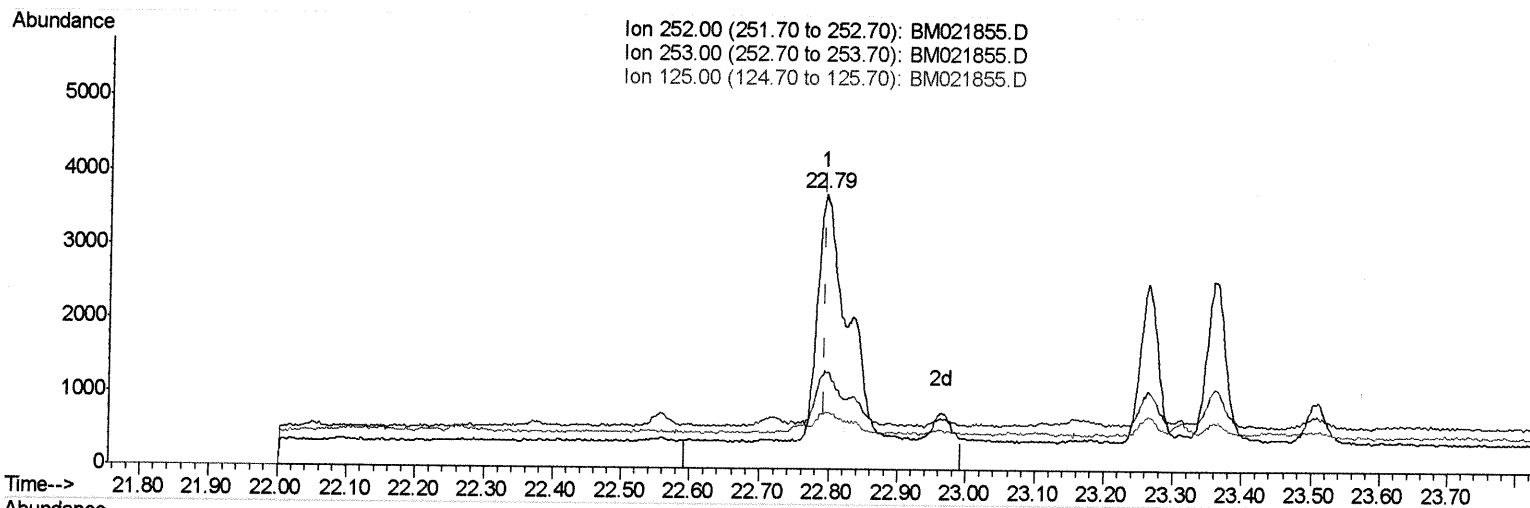
Data File : BM021855.D  
Acq On : 05 Aug 2019 22:56  
Operator : HP/JU  
Sample : K3863-12DL 10X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A52F2DL

Manual Integrations  
APPROVED

mohammad  
8/6/2019 9:09:09 AM

Quant Time: Aug 06 01:32:42 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 06 01:29:26 2019  
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.793min (-0.000) 0.37ng/ul m *JU* 08/06/19

response 7122

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 36.11 |
| 125.00 | 15.50 | 20.47 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Quantitation Report (Qedit)

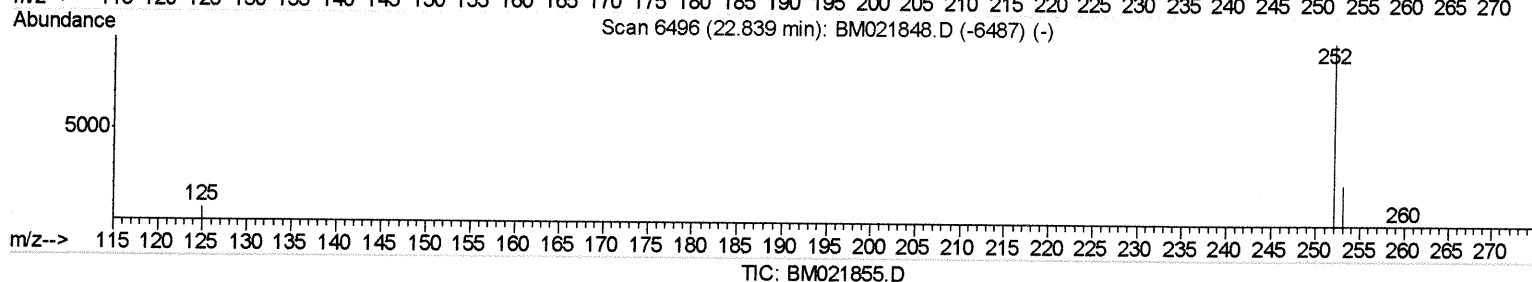
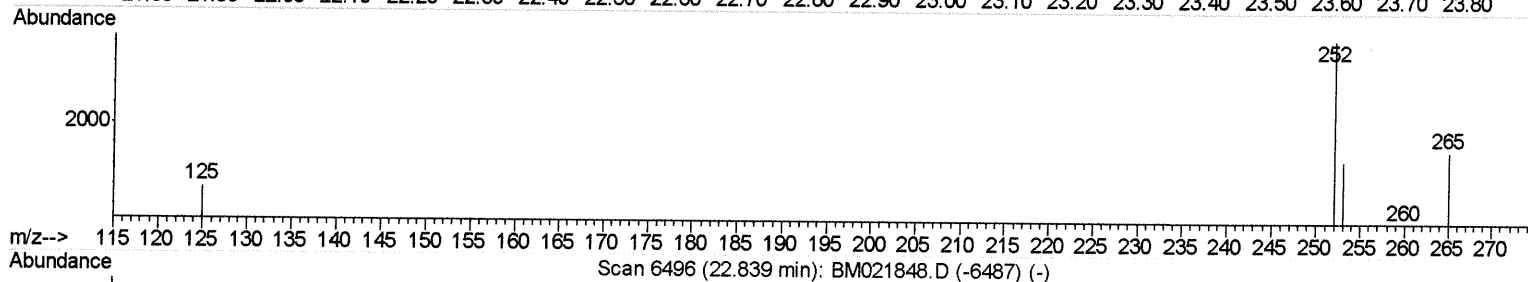
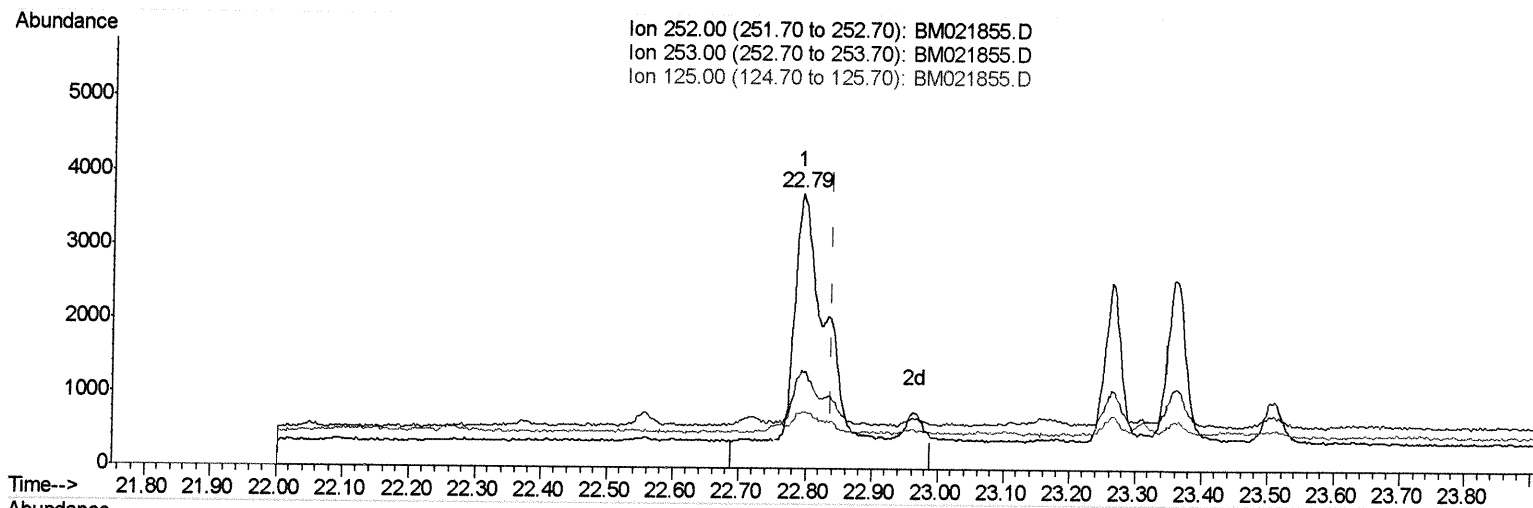
Data File : BM021855.D  
Acq On : 05 Aug 2019 22:56  
Operator : HP/JU  
Sample : K3863-12DL 10X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A52F2DL

Manual Integrations  
APPROVED

mohammad  
8/6/2019 9:09:09 AM

Quant Time: Aug 06 01:32:42 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 06 01:29:26 2019  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene  
22.793min (-0.046) 0.46ng/ul  
response 10012

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.70 | 36.11  |
| 125.00 | 15.20 | 20.47# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Quantitation Report (Qedit)

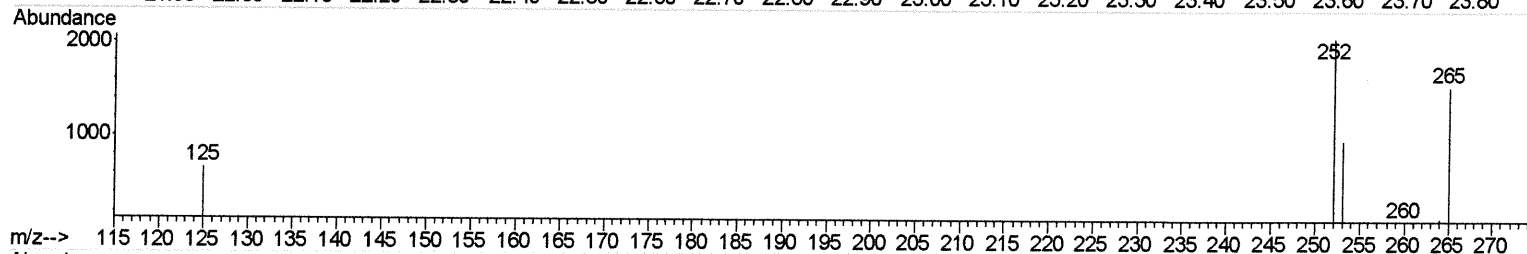
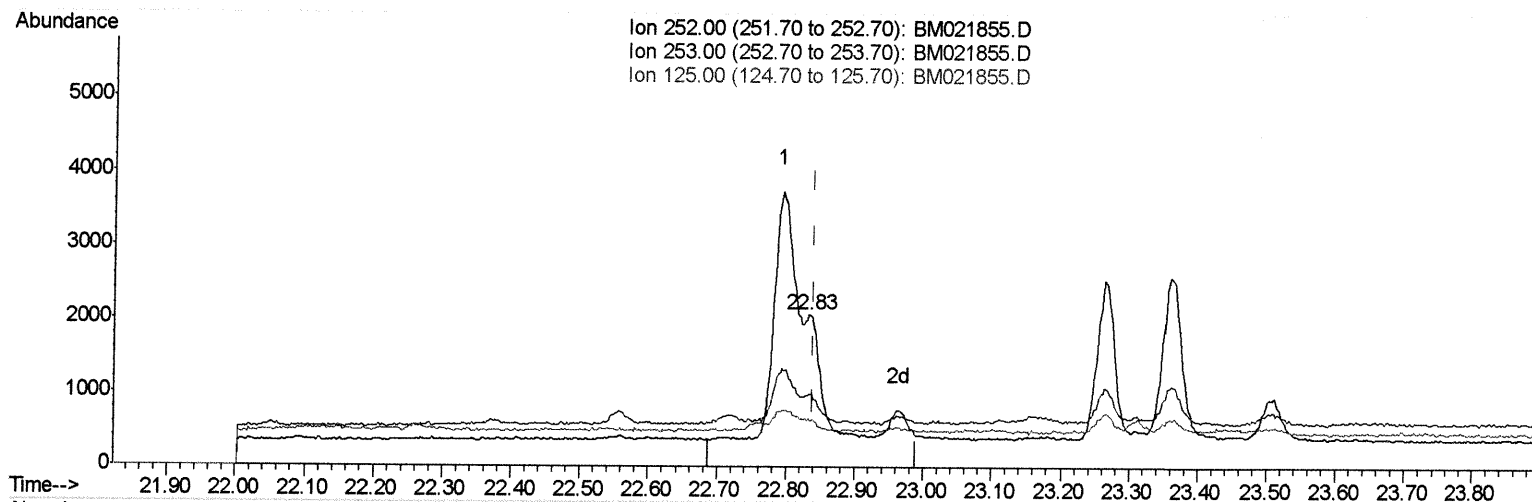
Data File : BM021855.D  
Acq On : 05 Aug 2019 22:56  
Operator : HP/JU  
Sample : K3863-12DL 10X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A52F2DL

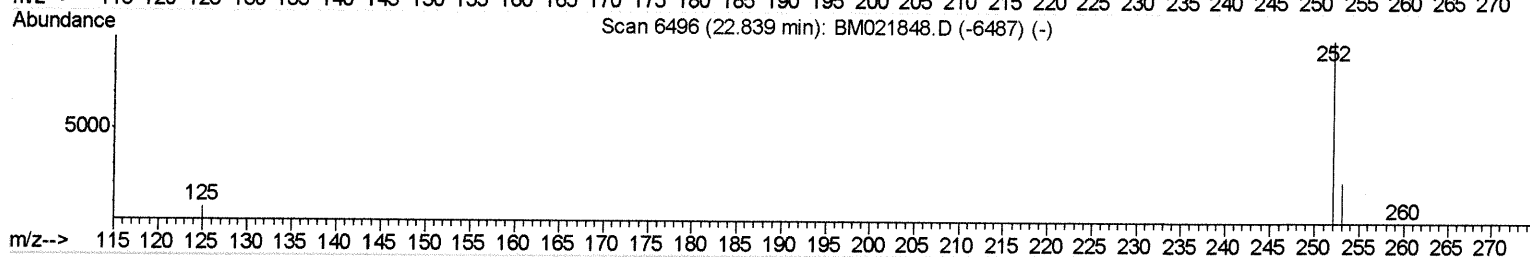
Manual Integrations  
APPROVED

mohammad  
8/6/2019 9:09:09 AM

Quant Time: Aug 06 01:32:42 2019  
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QLast Update : Tue Aug 06 01:29:26 2019  
Response via : Initial Calibration



Scan 6496 (22.839 min): BM021848.D (-6487) (-)



TIC: BM021855.D

(22) Benzo(k)fluoranthene

22.832min (-0.007) 0.13ng/ul m

response 2848

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.70 | 47.67# |
| 125.00 | 15.20 | 32.18# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Quantitation Report (QT Reviewed)

Data File : BM021855.D  
Acq On : 05 Aug 2019 22:56  
Operator : HP/JU  
Sample : K3863-12DL 10X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A52F2DL

Manual Integrations  
APPROVED

mohammad  
8/6/2019 9:09:09 AM

Quant Time: Aug 06 02:50:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 06 01:29:26 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 790      | 0.40 | ng/ul | 0.00      |
| 2) Naphthalene-d8         | 10.43 | 136  | 3361     | 0.40 | ng/ul | 0.00      |
| 6) Acenaphthene-d10       | 14.29 | 164  | 1873     | 0.40 | ng/ul | 0.00      |
| 10) Phenanthrene-d10      | 17.05 | 188  | 4150     | 0.40 | ng/ul | 0.00      |
| 16) Chrysene-d12          | 21.24 | 240  | 4218     | 0.40 | ng/ul | 0.00      |
| 20) Perylene-d12          | 23.46 | 264  | 5712     | 0.40 | ng/ul | 0.00      |

System Monitoring Compounds

|                            |       |     |       |            |      |           |
|----------------------------|-------|-----|-------|------------|------|-----------|
| 4) 2-Methylnaphthalene-d10 | 12.05 | 152 | 77m → | 0.01 ng/ul | 0.02 | 7/8/06/19 |
| 14) Fluoranthene-d10       | 19.08 | 212 | 385   | 0.03 ng/ul | 0.00 |           |

Target Compounds

|                            |       |     |         |              | Qvalue |           |
|----------------------------|-------|-----|---------|--------------|--------|-----------|
| 12) Phenanthrene           | 17.08 | 178 | 2733    | 0.226 ng/ul  | 97     |           |
| 13) Anthracene             | 17.18 | 178 | 289     | 0.028 ng/ul# | 47     |           |
| 15) Fluoranthene           | 19.11 | 202 | 10330   | 0.639 ng/ul  | 97     |           |
| 17) Pyrene                 | 19.47 | 202 | 8966    | 0.517 ng/ul  | 98     |           |
| 18) Benzo(a)anthracene     | 21.23 | 228 | 4056    | 0.269 ng/ul# | 91     |           |
| 19) Chrysene               | 21.28 | 228 | 4860    | 0.250 ng/ul# | 92     |           |
| 21) Benzo(b)fluoranthene   | 22.79 | 252 | 7122m → | 0.370 ng/ul  |        | 7/8/06/19 |
| 22) Benzo(k)fluoranthene   | 22.83 | 252 | 2848m → | 0.131 ng/ul  |        |           |
| 23) Benzo(a)pyrene         | 23.36 | 252 | 4208    | 0.215 ng/ul# | 91     |           |
| 24) Indeno(1,2,3-cd)pyrene | 25.68 | 276 | 3699    | 0.158 ng/ul# | 91     |           |
| 25) Dibenzo(a,h)anthracene | 25.69 | 278 | 712     | 0.038 ng/ul# | 3      |           |
| 26) Benzo(g,h,i)perylene   | 26.36 | 276 | 3791    | 0.180 ng/ul# | 88     |           |

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