

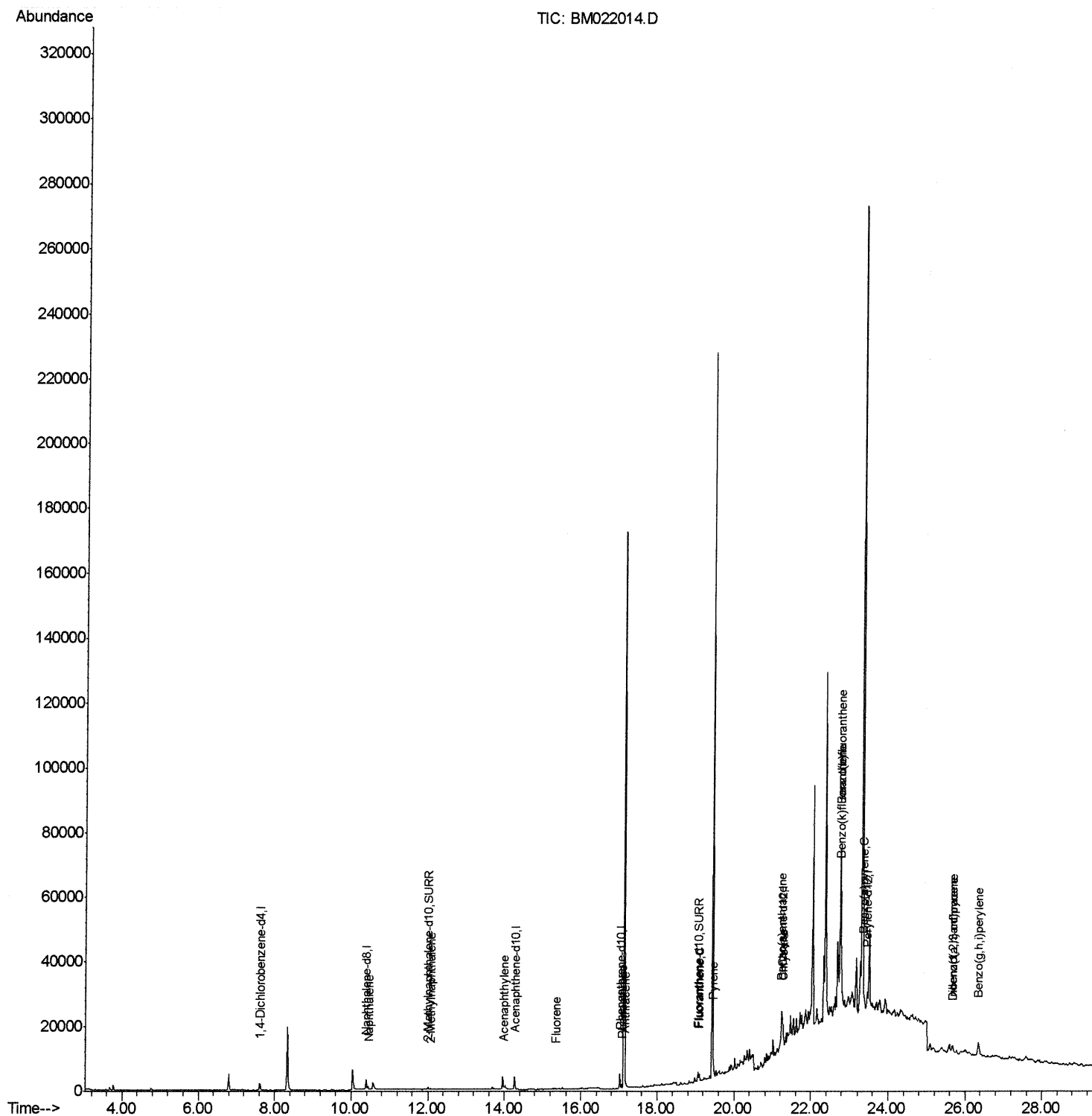
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 04:00:01 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



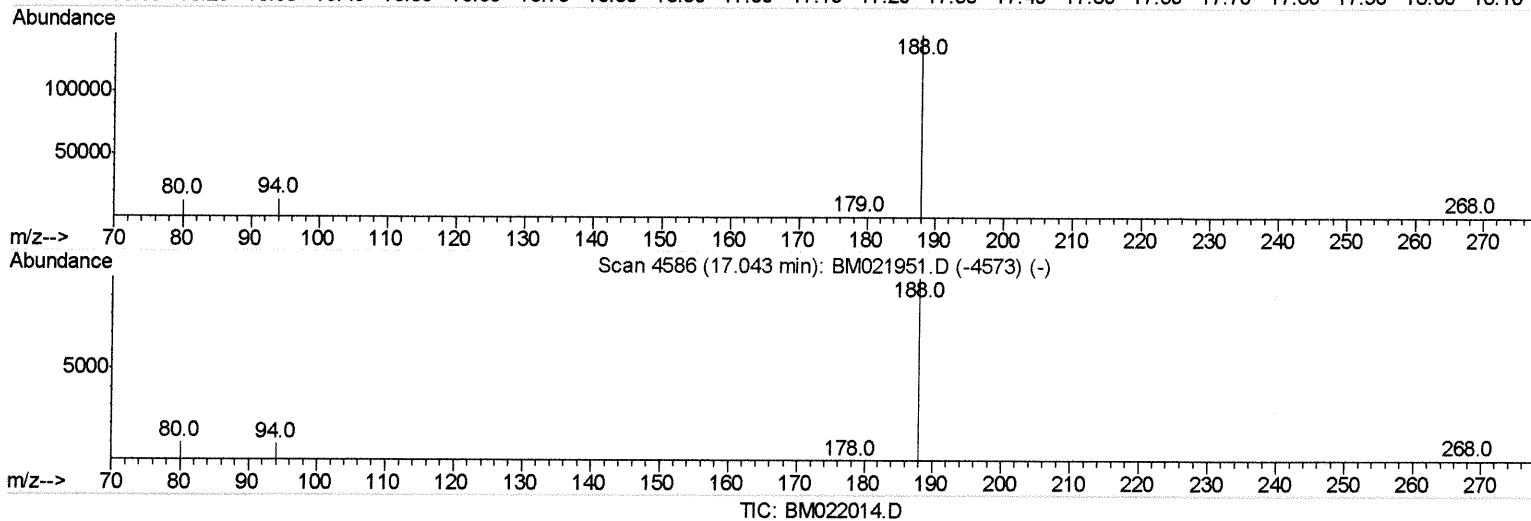
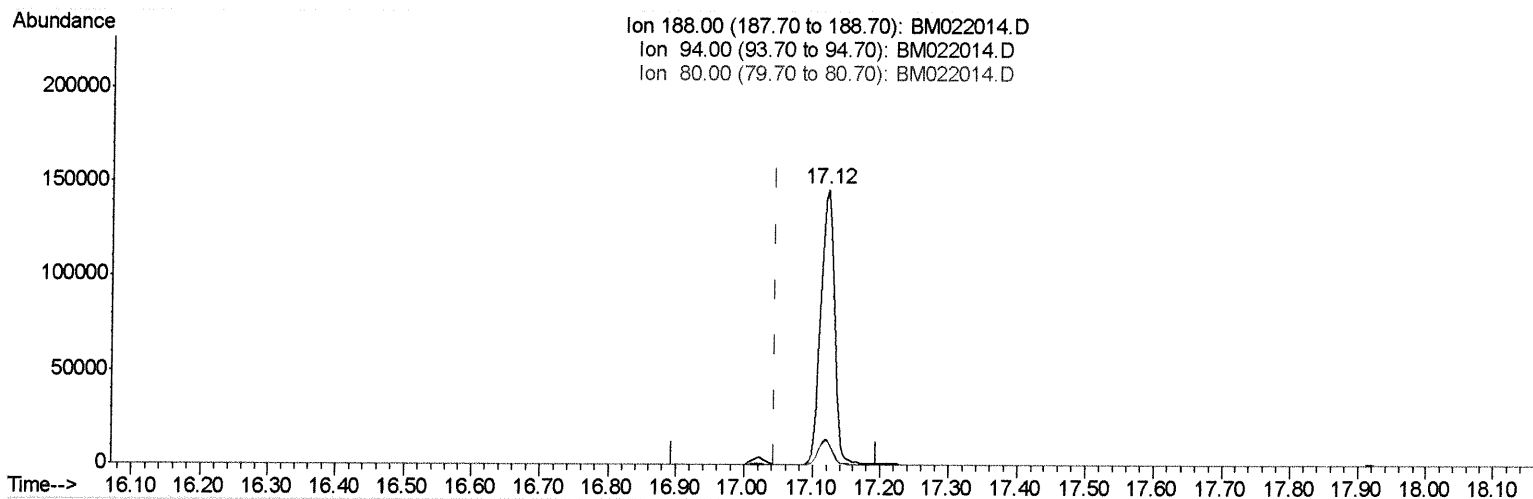
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:29 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.121min (+0.077) 0.40ng/ul

response 199865

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.40 | 9.07  |
| 80.00  | 11.40 | 8.54# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

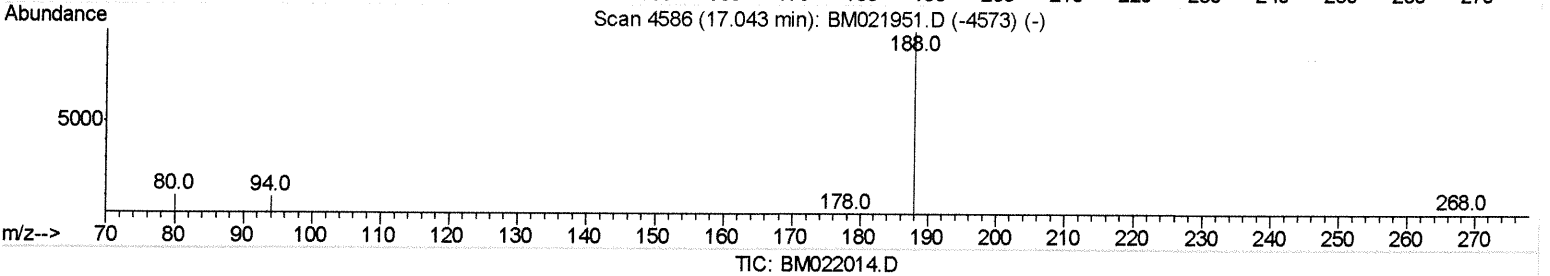
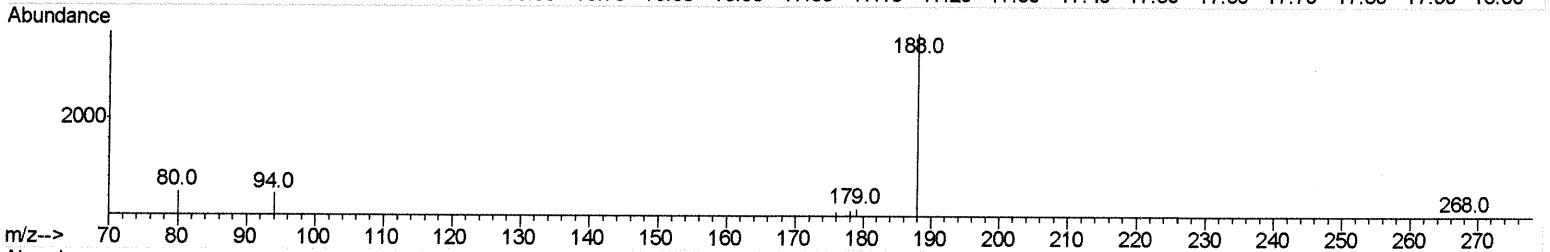
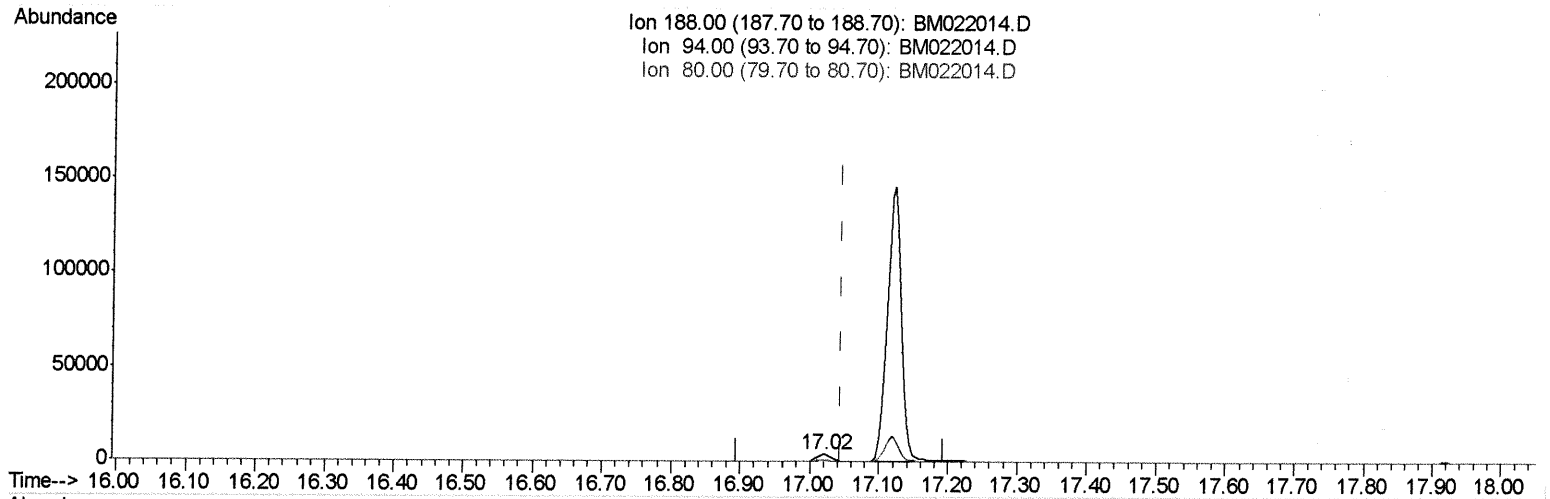
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:29 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.020min (-0.024) 0.40ng/ul m *JU* 08/12/19

response 5203

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 10.40 | 12.80# |
| 80.00  | 11.40 | 13.88# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

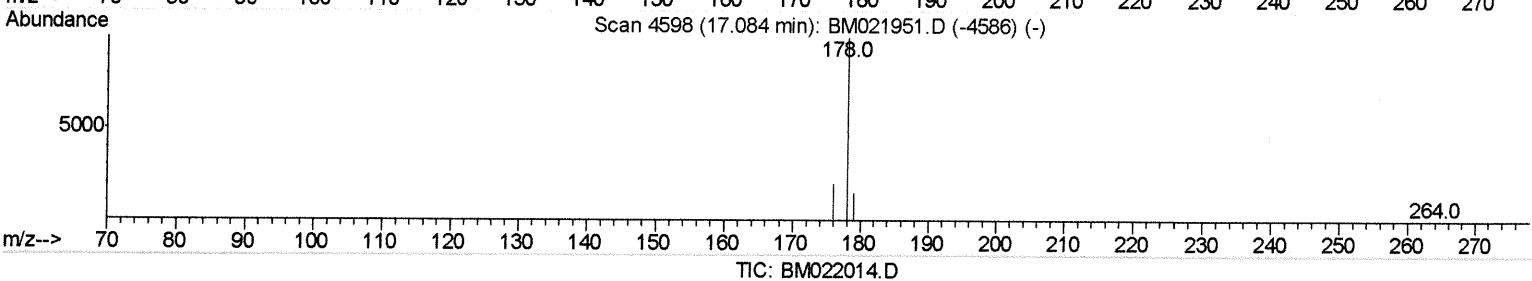
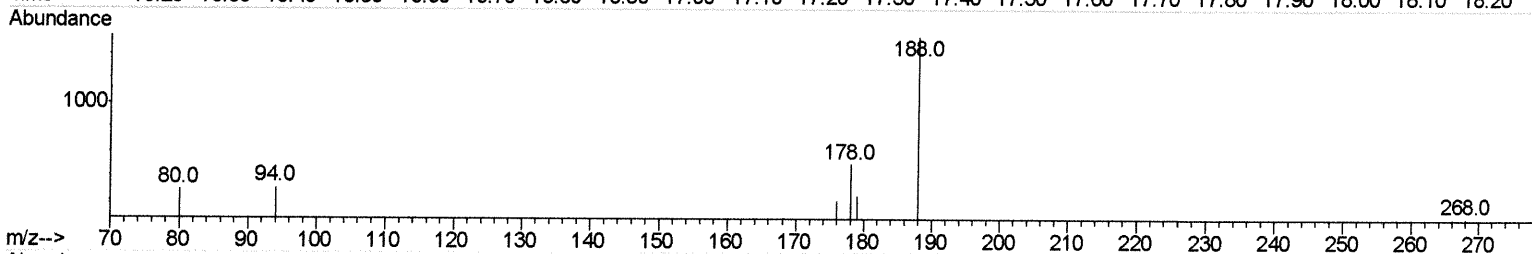
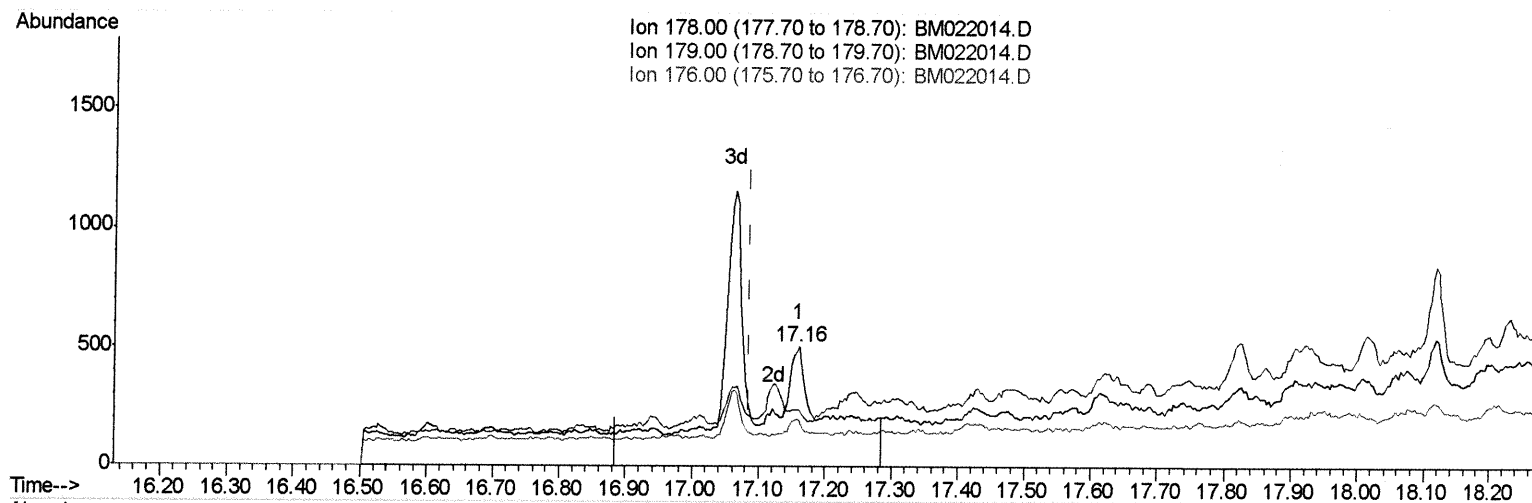
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(12) Phenanthrene

17.159min (+0.073) 0.04ng/ui

response 585

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 17.70 | 46.72# |
| 176.00 | 21.00 | 39.17# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

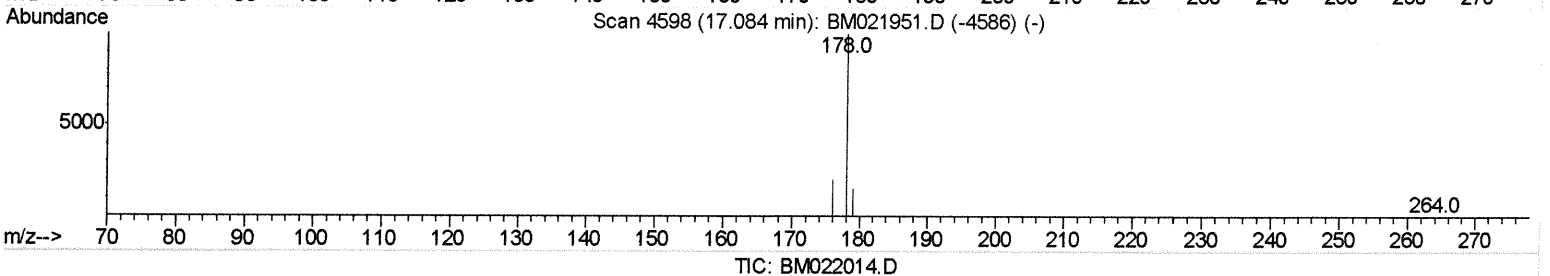
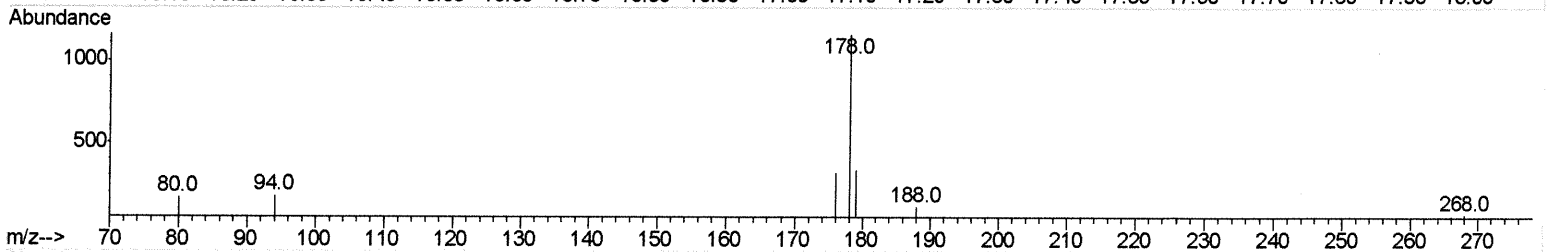
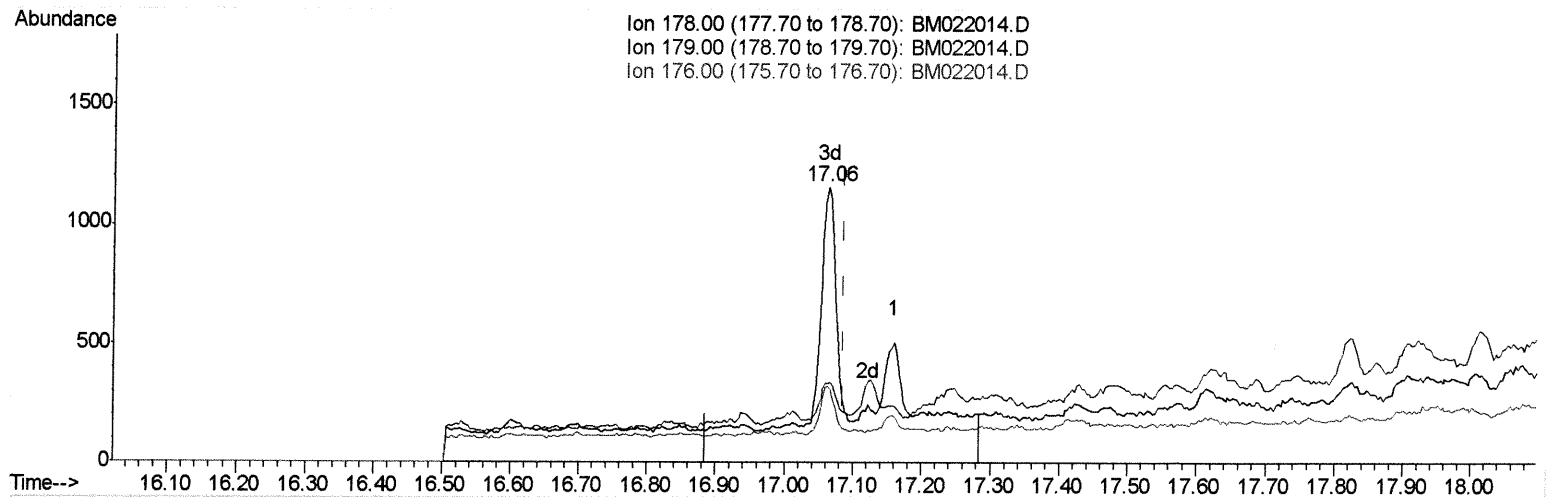
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(12) Phenanthrene

17.062min (-0.024) 0.10ng/ul m *JU 08/12/19*

response 1493

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 17.70 | 28.66# |
| 176.00 | 21.00 | 27.62# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

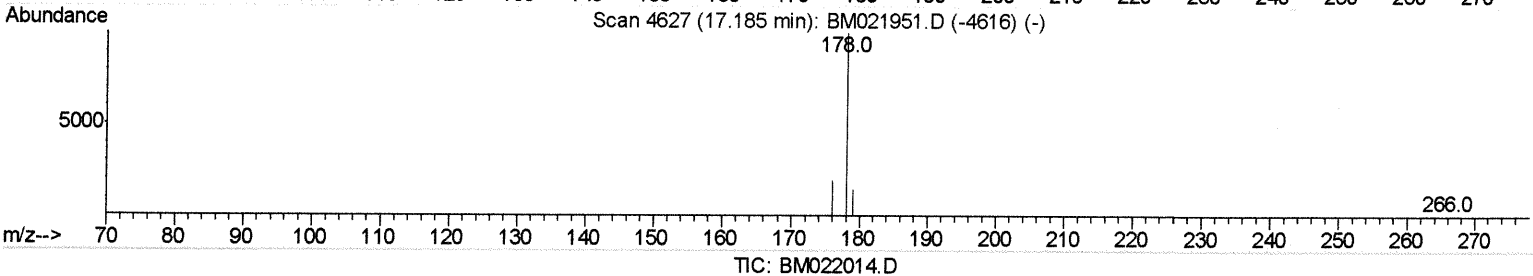
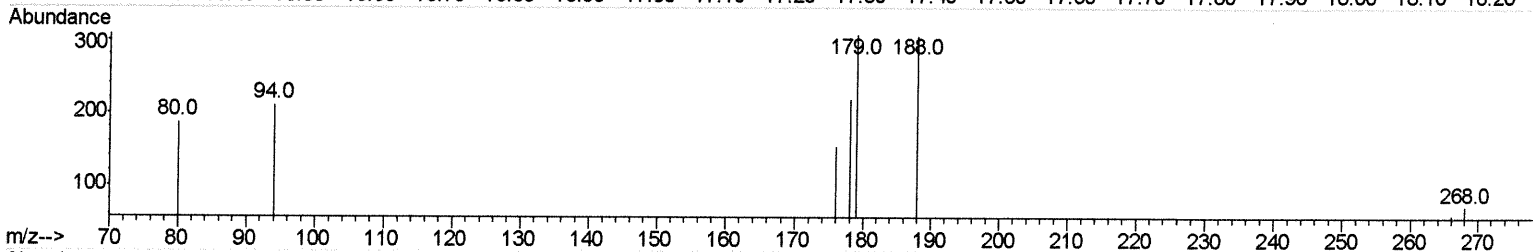
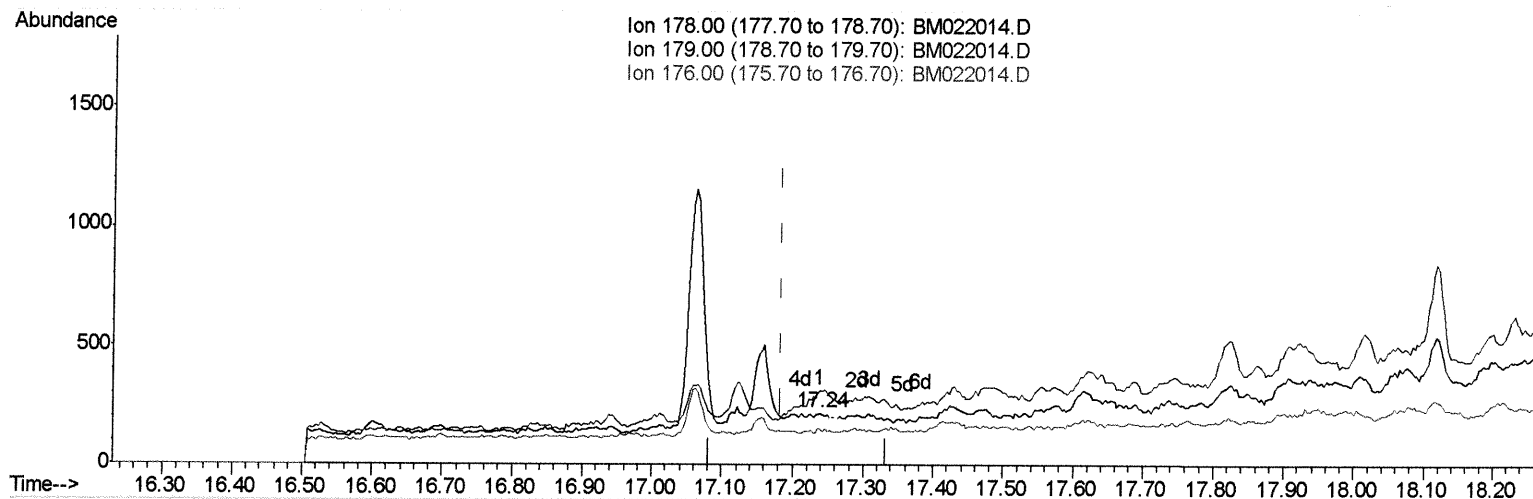
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(13) Anthracene

17.239min (+0.056) 0.00ng/ul

response 27

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 19.40 | 141.28# |
| 176.00 | 20.80 | 70.18#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

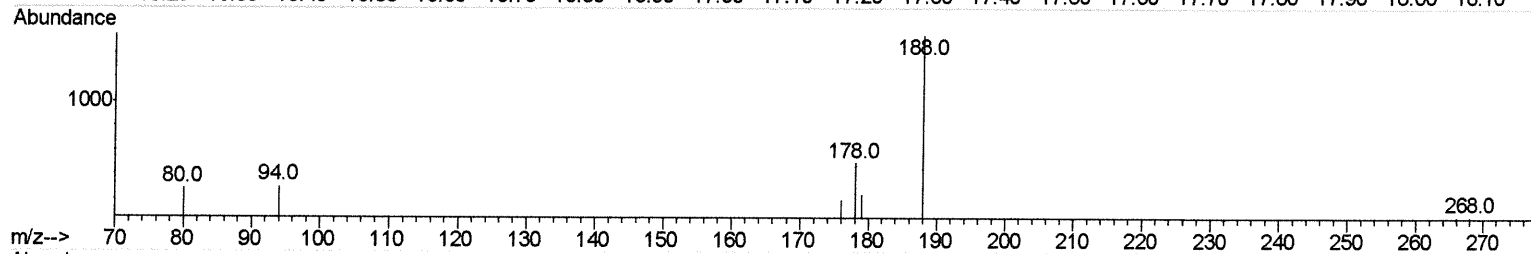
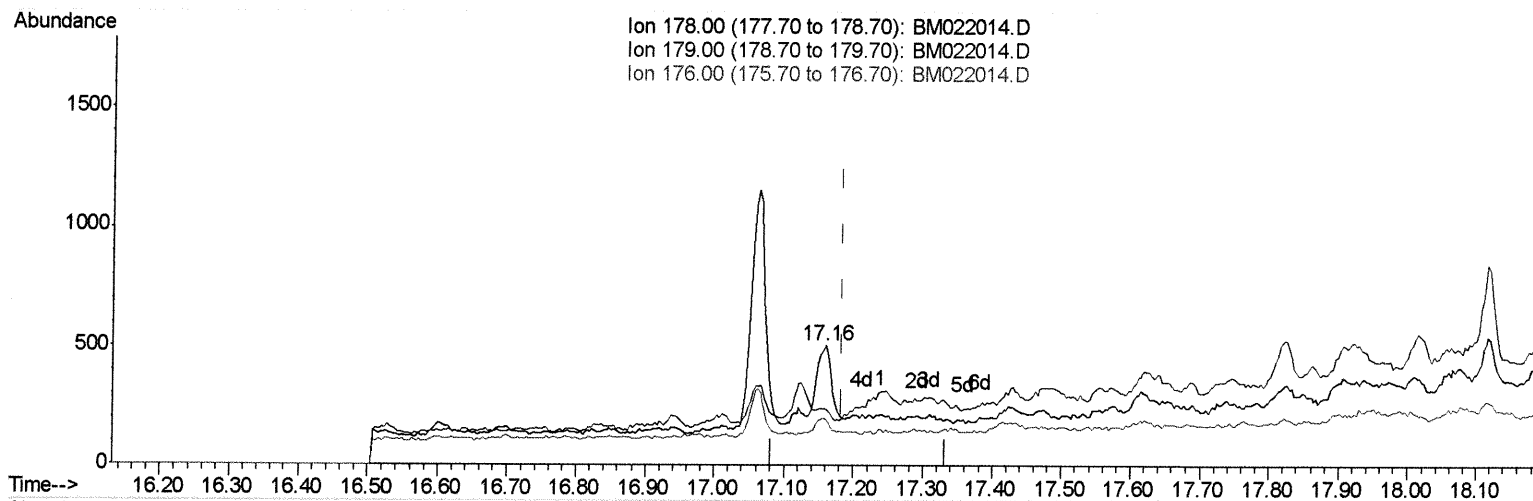
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

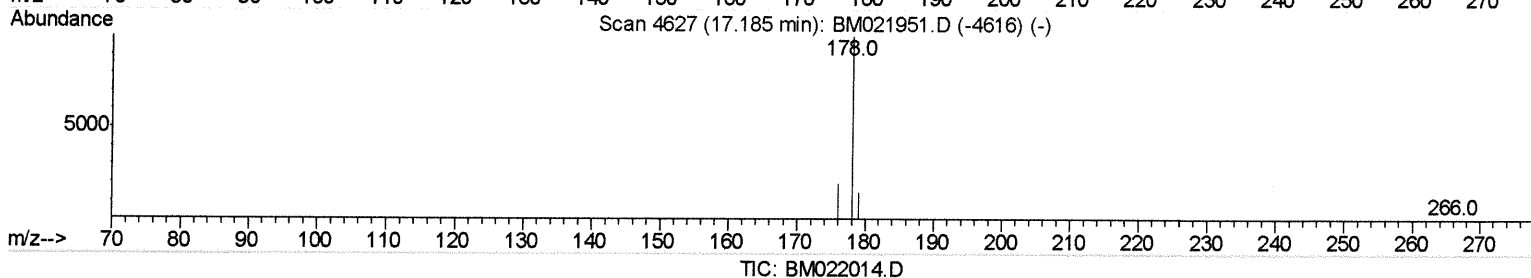
Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



Scan 4627 (17.185 min): BM021951.D (-4616) (-)



(13) Anthracene

17.159min (-0.024) 0.04ng/ul m

JU  
 08/12/19

response 549

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 19.40 | 46.72# |
| 176.00 | 20.80 | 39.17# |
| 0.00   | 0.00  | 0.00   |

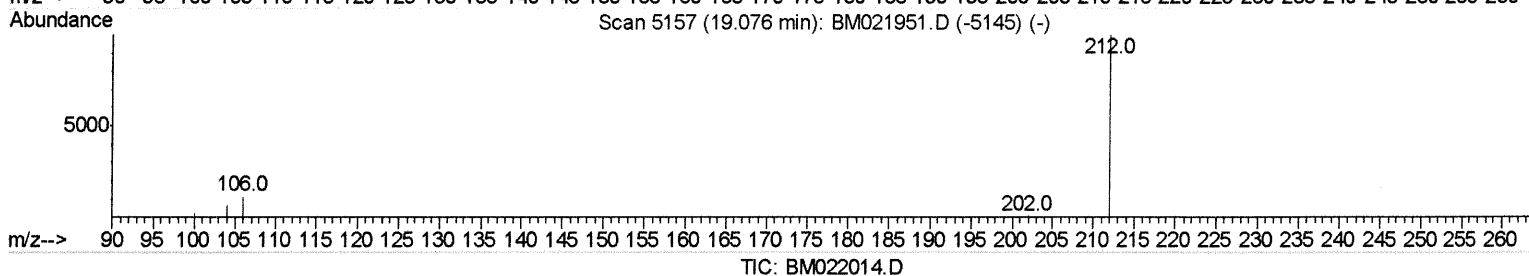
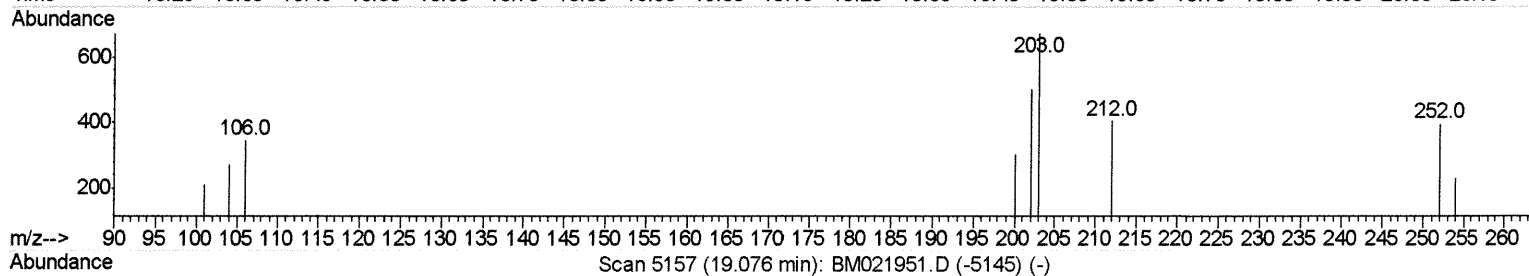
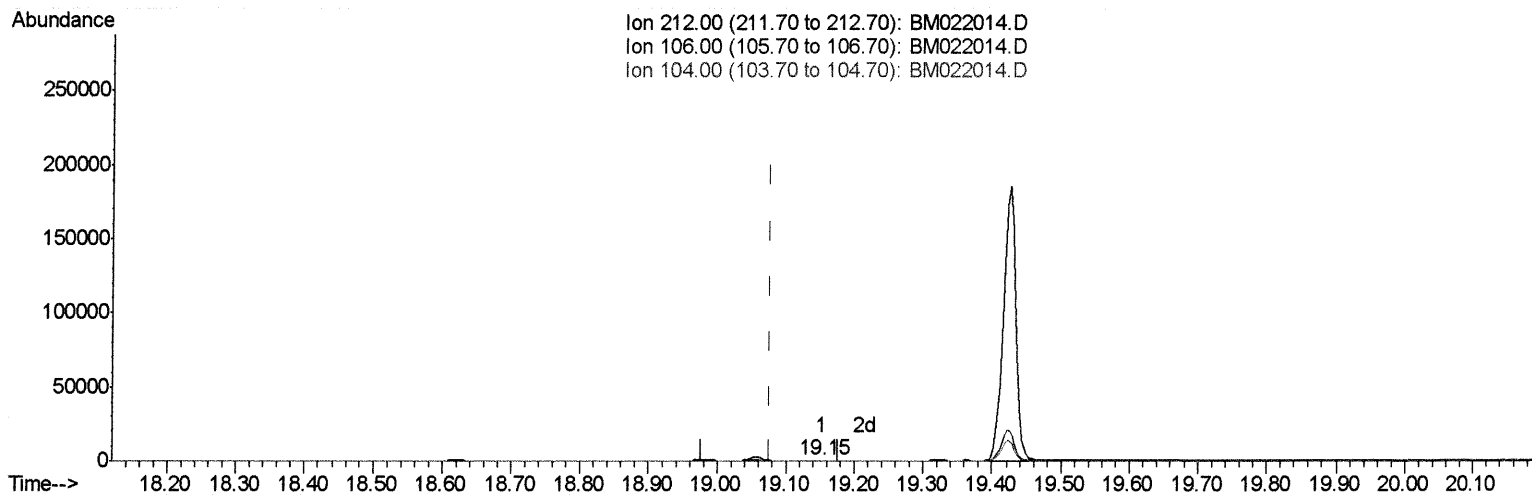
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.154min (+0.076) 0.02ng/ul

response 291

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 212.00 | 100  | 100   |
| 106.00 | 9.90 | 2.75# |
| 104.00 | 6.00 | 0.00# |
| 0.00   | 0.00 | 0.00  |

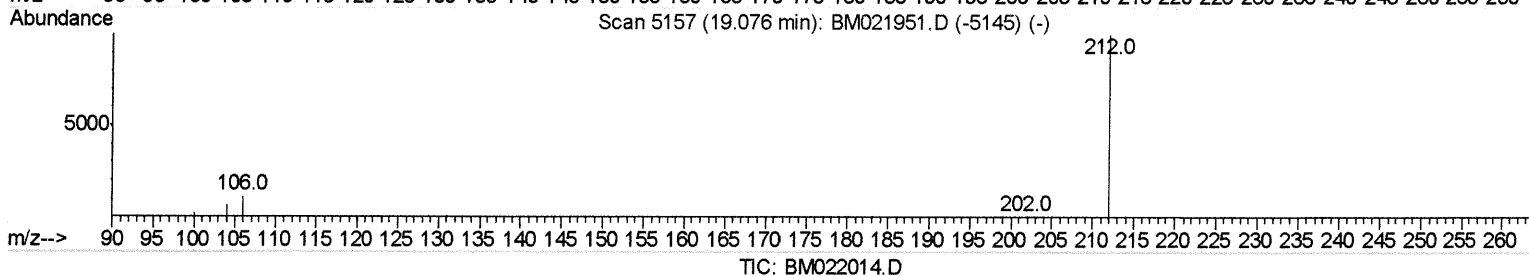
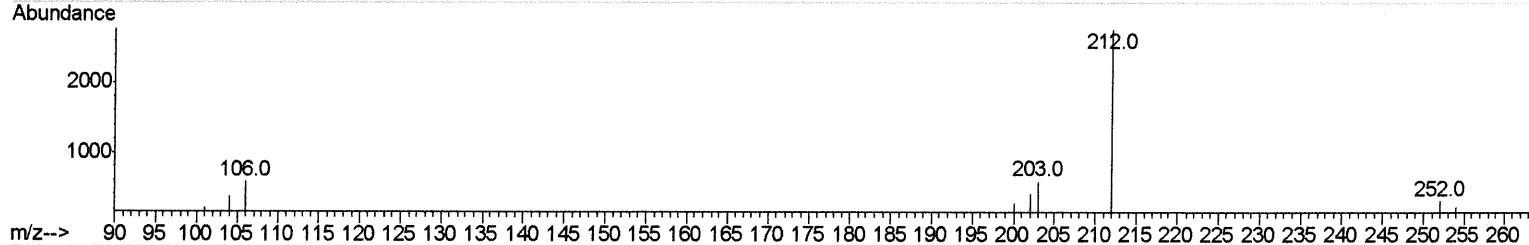
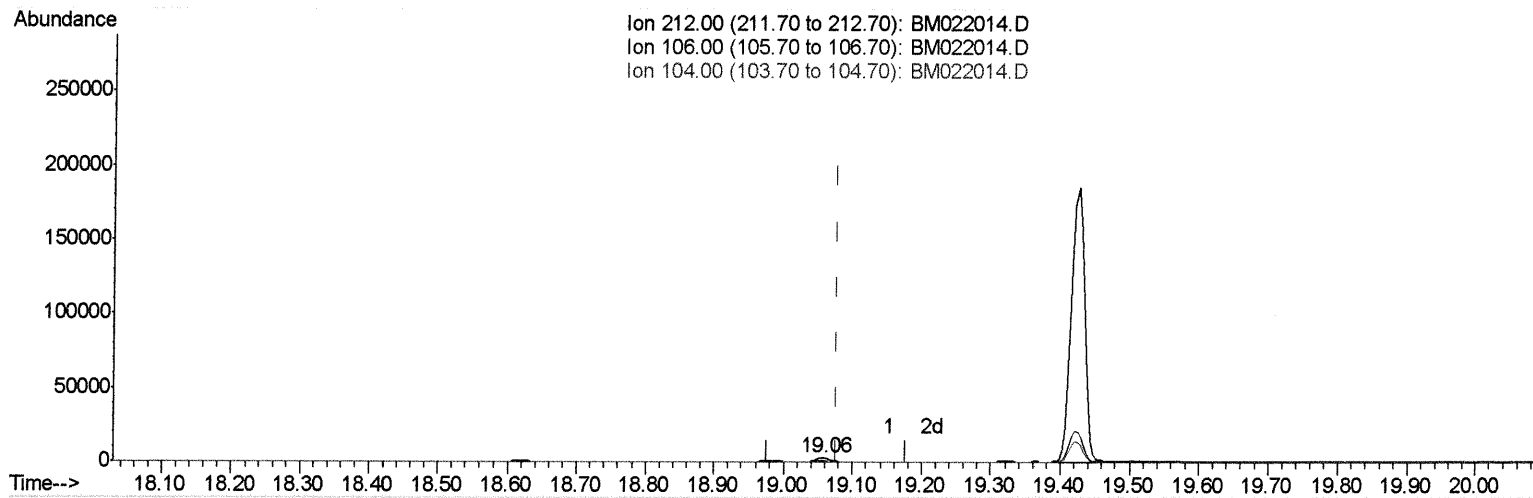
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.058min (-0.019) 0.18ng/ul m

JU  
08/12/19

response 3206

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 212.00 | 100  | 100   |
| 106.00 | 9.90 | 0.25# |
| 104.00 | 6.00 | 0.00# |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

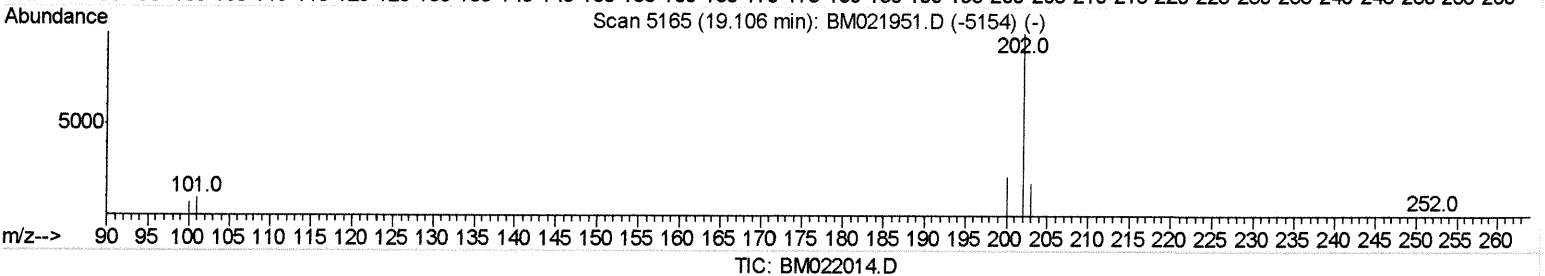
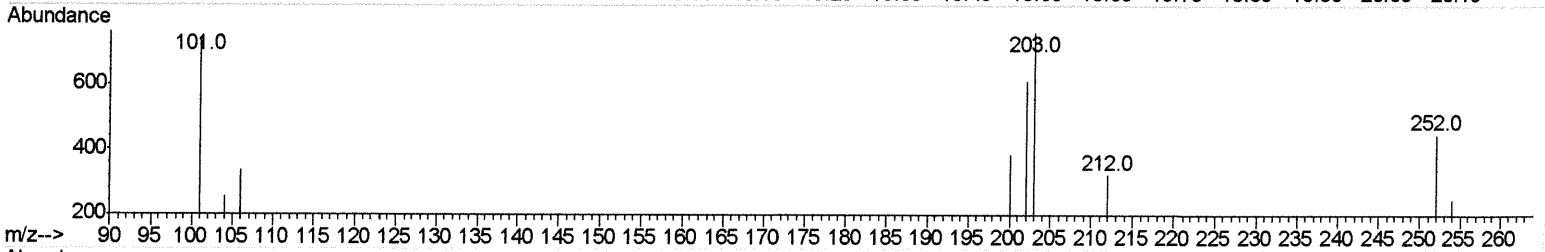
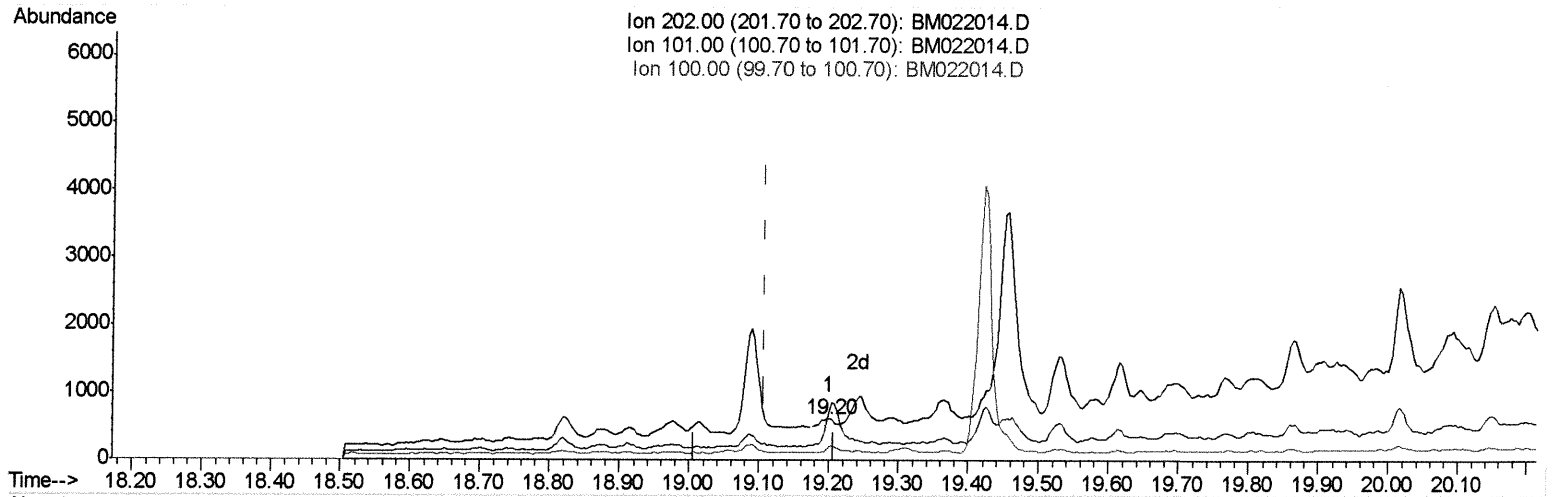
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



## (15) Fluoranthene (C)

19.199min (+0.092) 0.01ng/ul

response 218

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 202.00 | 100   | 100     |
| 101.00 | 10.20 | 119.80# |
| 100.00 | 8.10  | 32.57#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

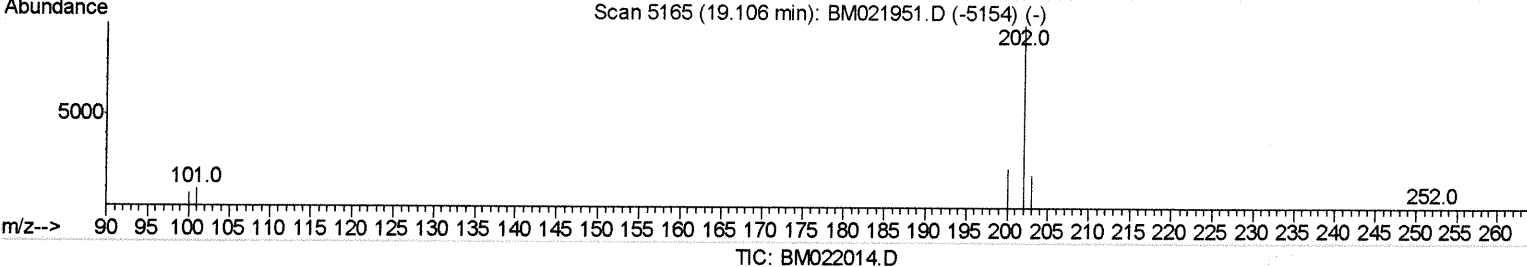
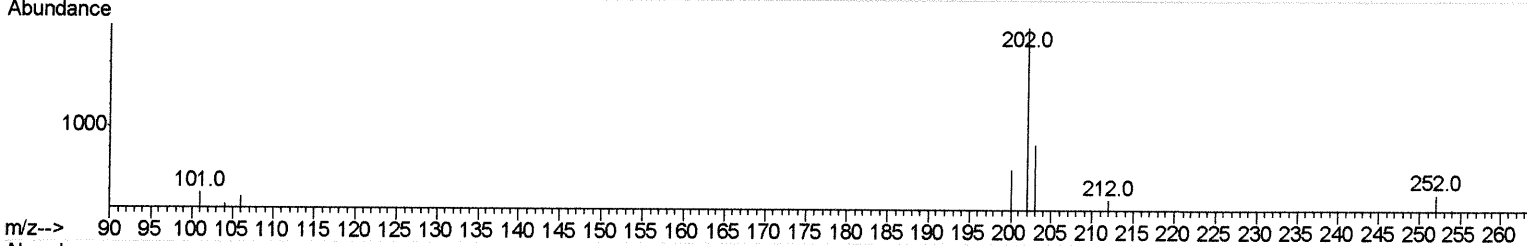
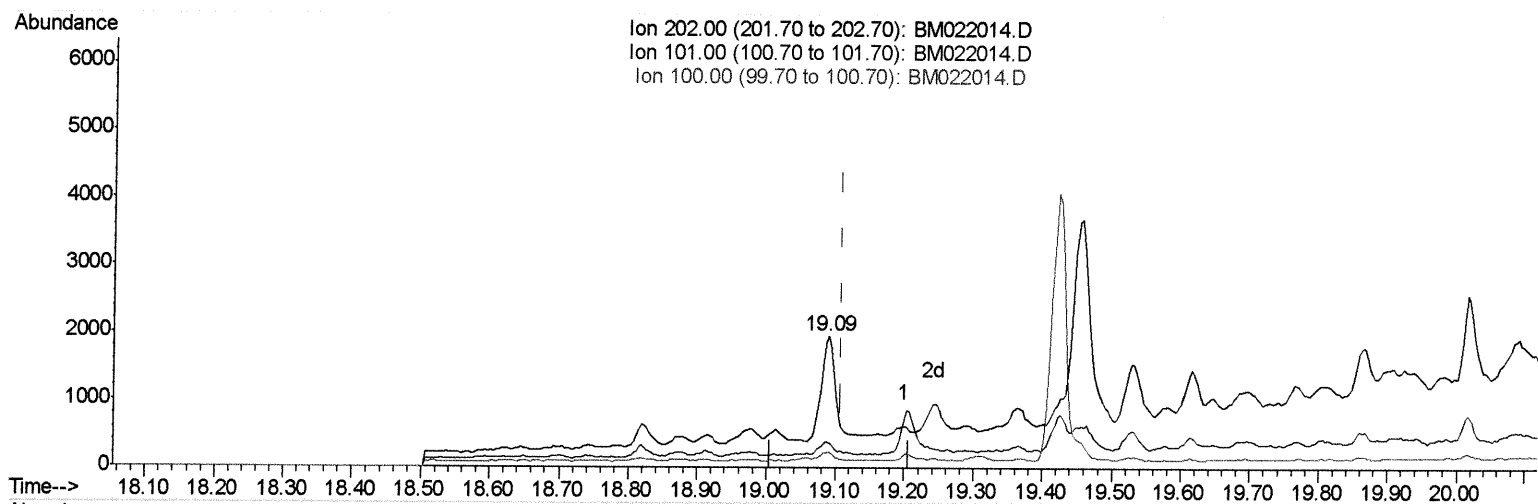
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.089min (-0.019) 0.11ng/ul m *JU* 08/12/19

response 2289

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.20 | 19.13 |
| 100.00 | 8.10  | 12.12 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

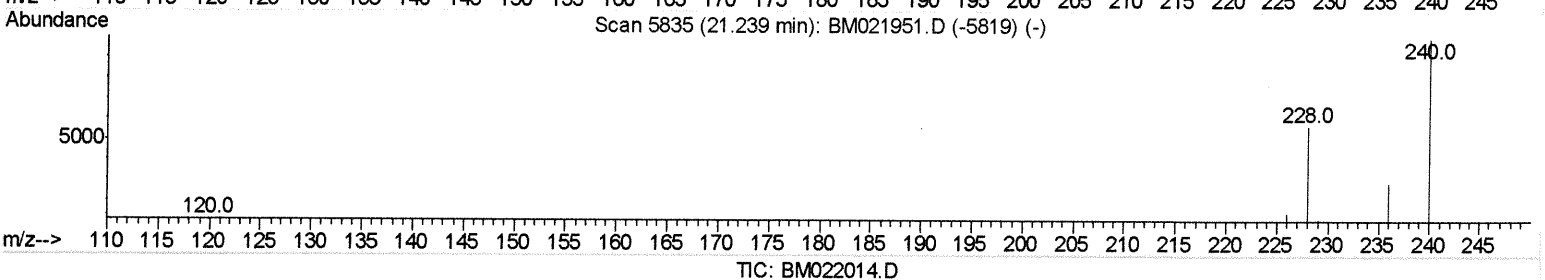
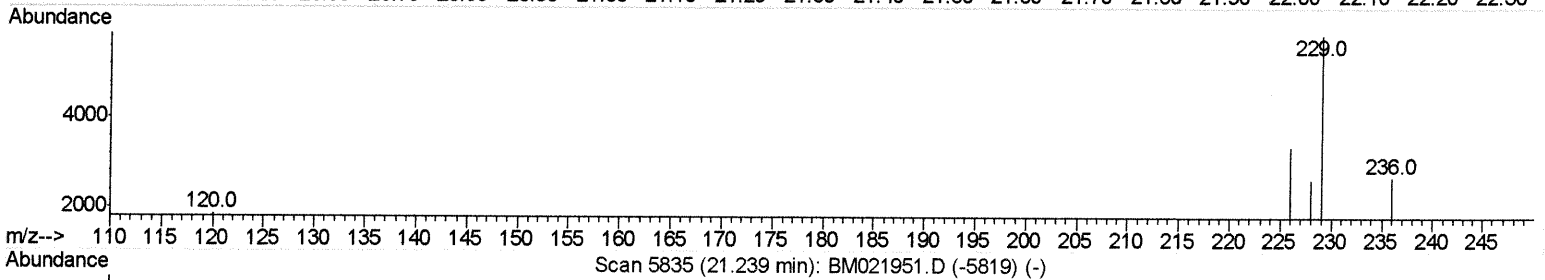
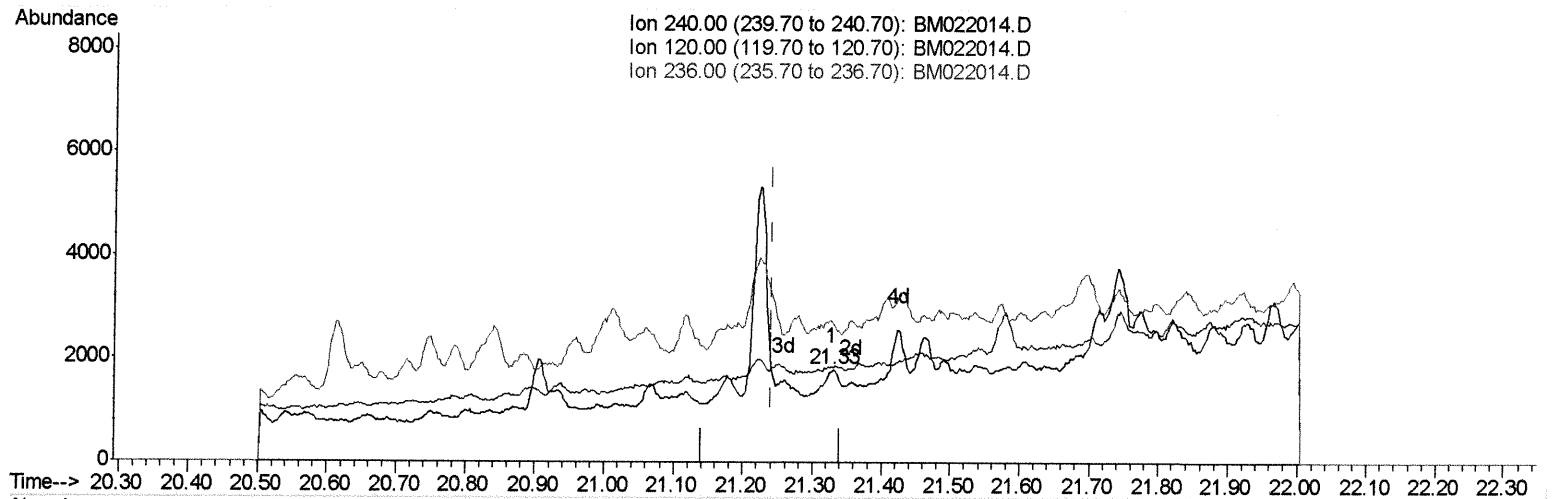
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.329min (+0.087) 0.40ng/ul

response 826

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 16.20 | 103.00# |
| 236.00 | 32.30 | 149.03# |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

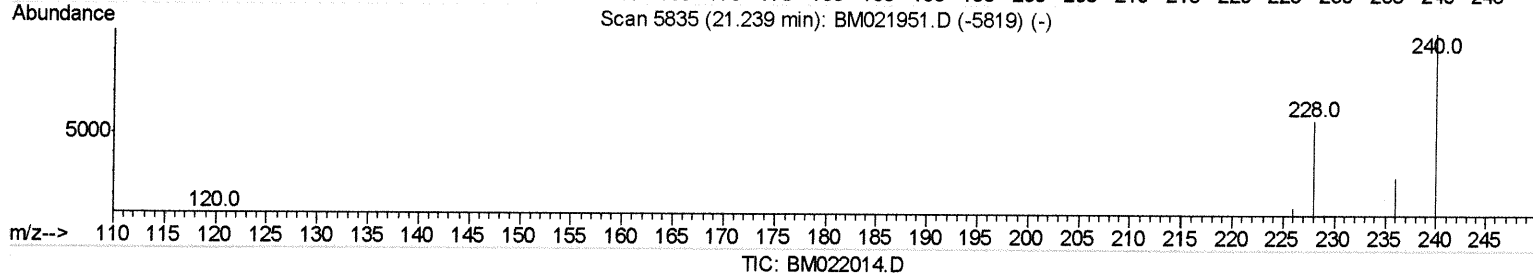
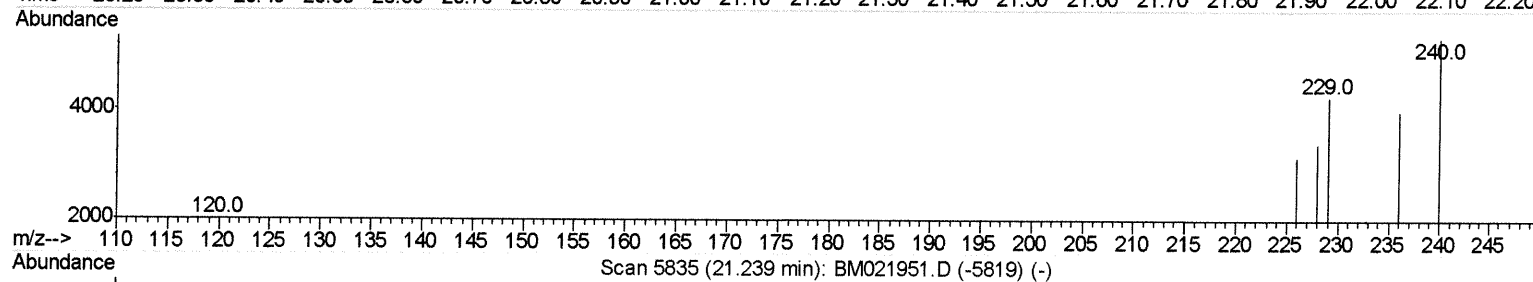
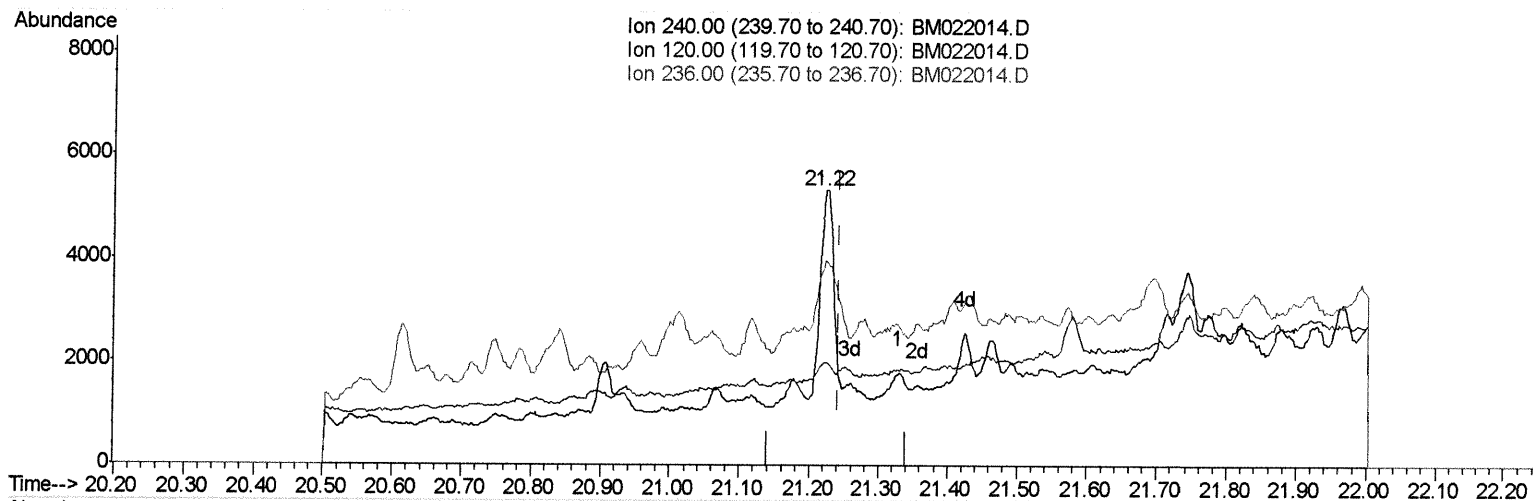
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:53:56 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.222min (-0.019) 0.40ng/ul m *JU* 08/12/19

response 5240

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 16.20 | 37.32# |
| 236.00 | 32.30 | 74.77# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

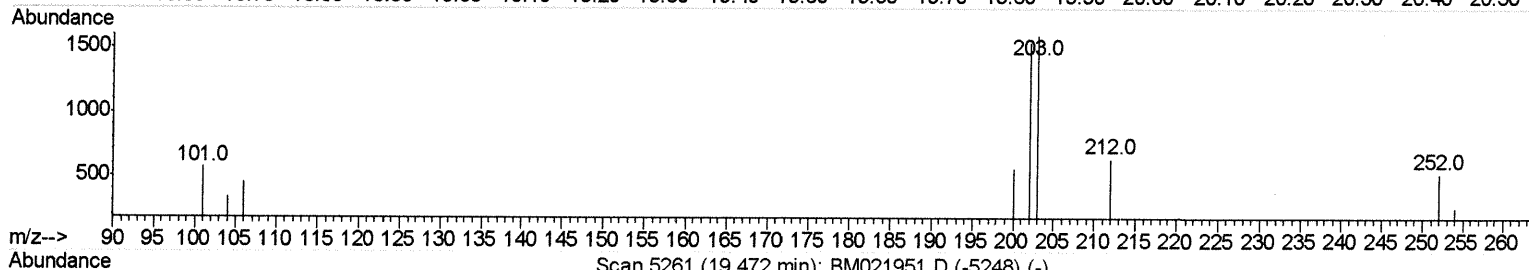
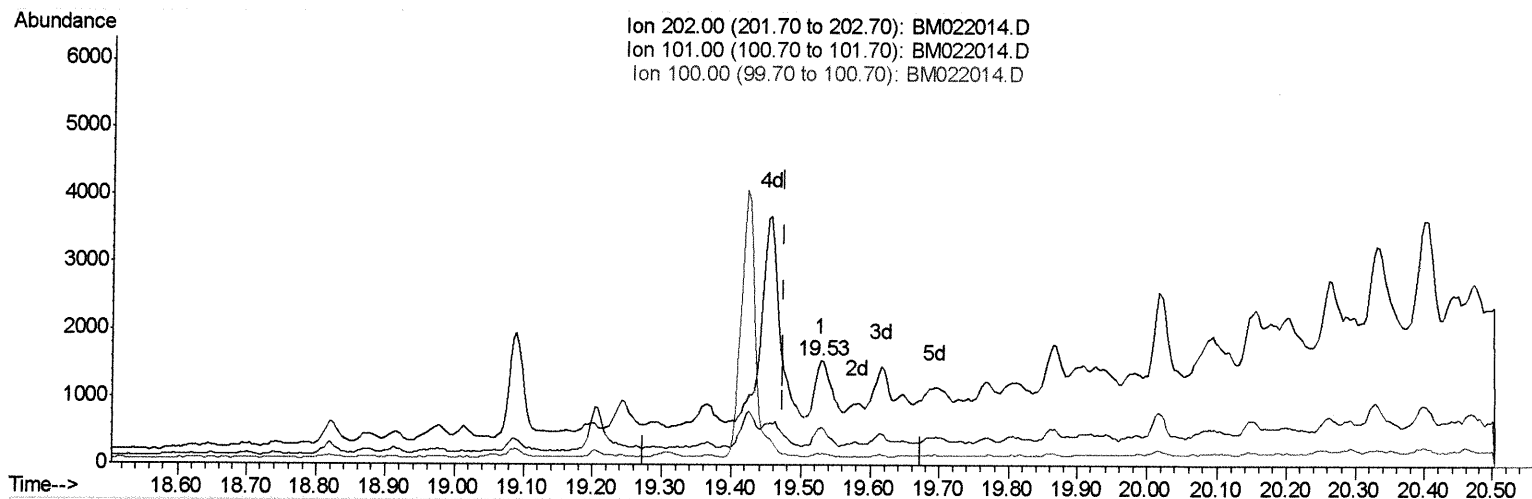
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

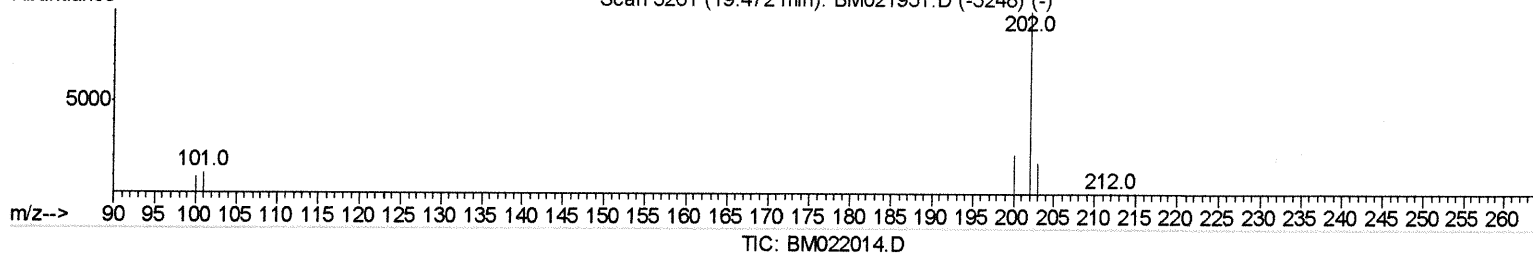
Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:55:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



Scan 5261 (19.472 min): BM021951.D (-5248) (-)  
 202.0



(17) Pyrene

19.527min (+0.054) 0.06ng/ul

response 1328

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 10.40 | 36.58# |
| 100.00 | 9.00  | 11.41# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

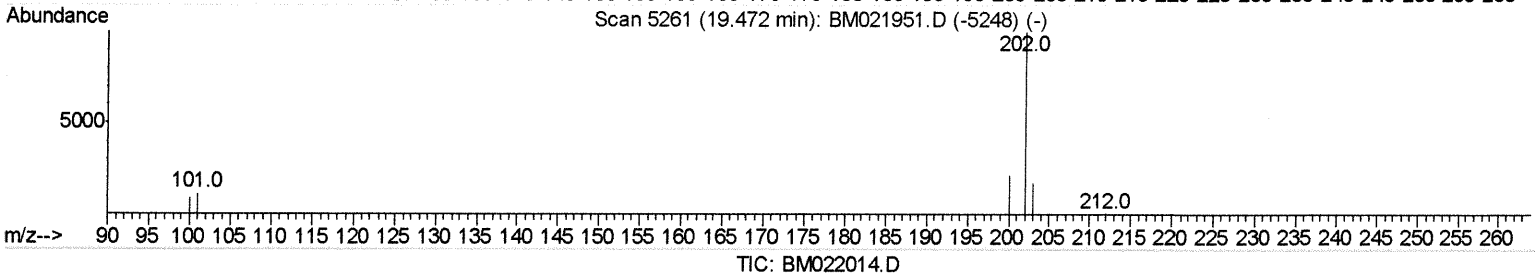
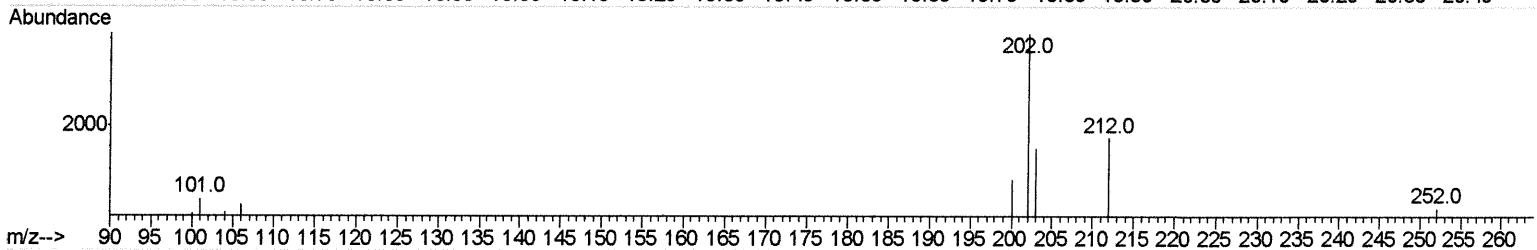
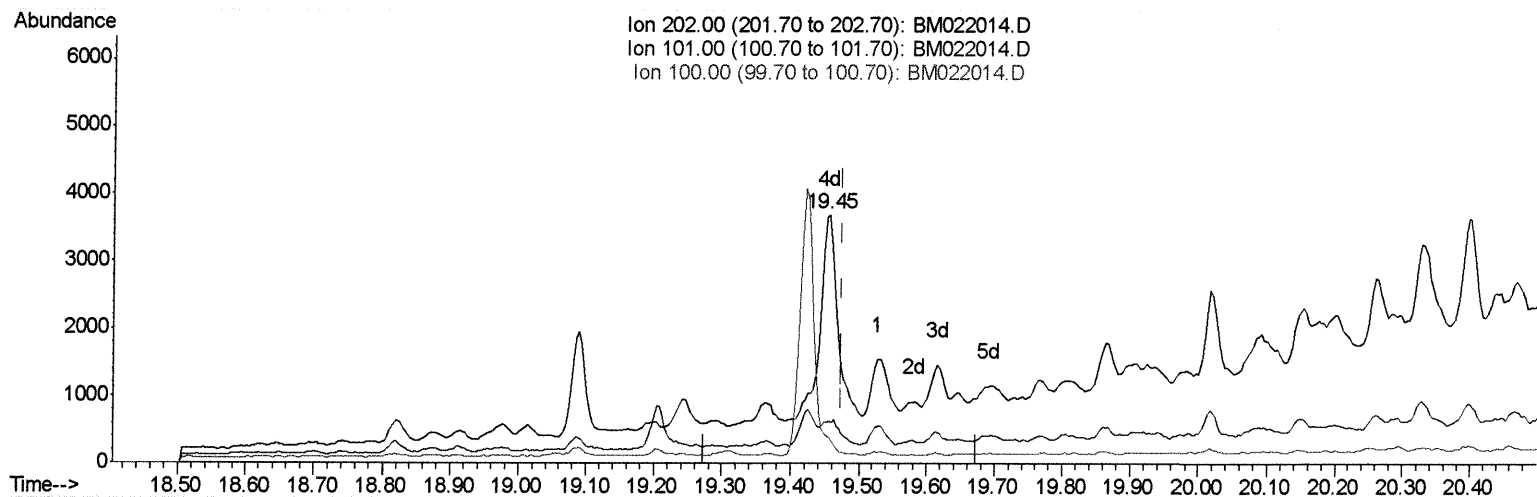
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:55:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(17) Pyrene

19.455min (-0.019) 0.26ng/ul m *JU 08/12/19*

response 5509

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 10.40 | 17.22# |
| 100.00 | 9.00  | 10.44  |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

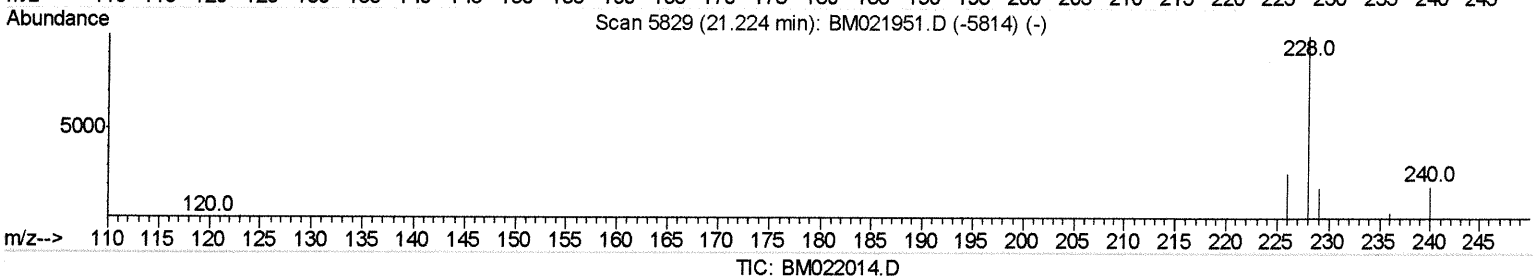
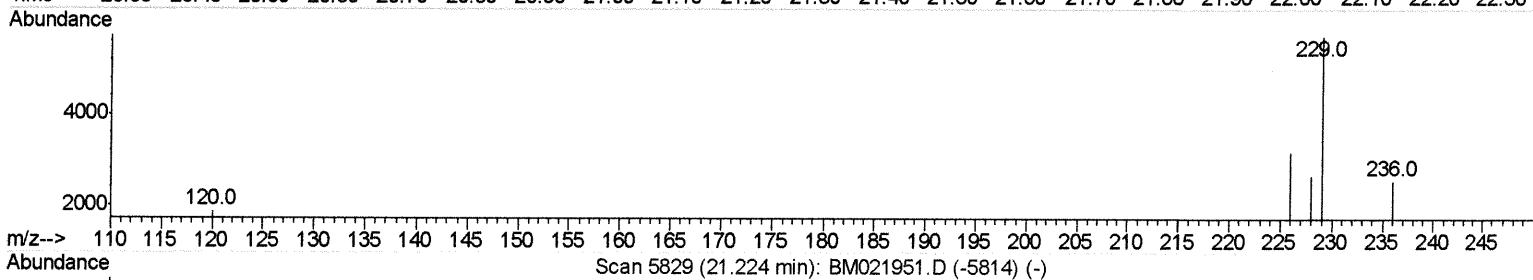
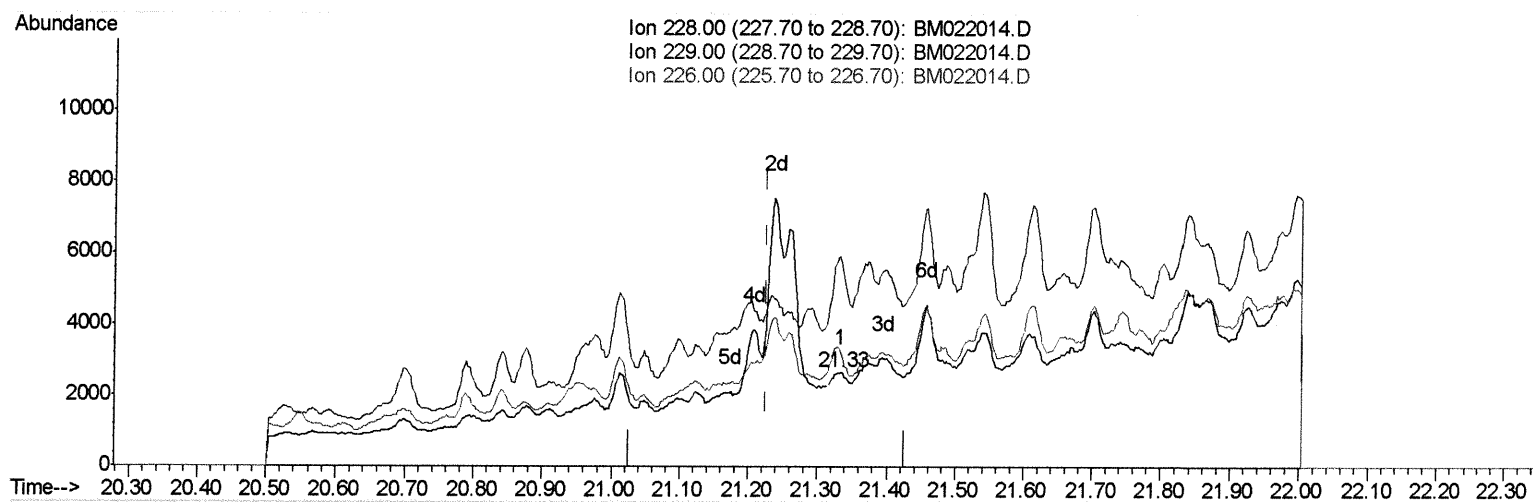
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:55:56 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



(18) Benzo(a)anthracene

21.333min (+0.107) 0.03ng/ui

response 501

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 228.00 | 100   | 100     |
| 229.00 | 21.50 | 215.33# |
| 226.00 | 28.30 | 119.40# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

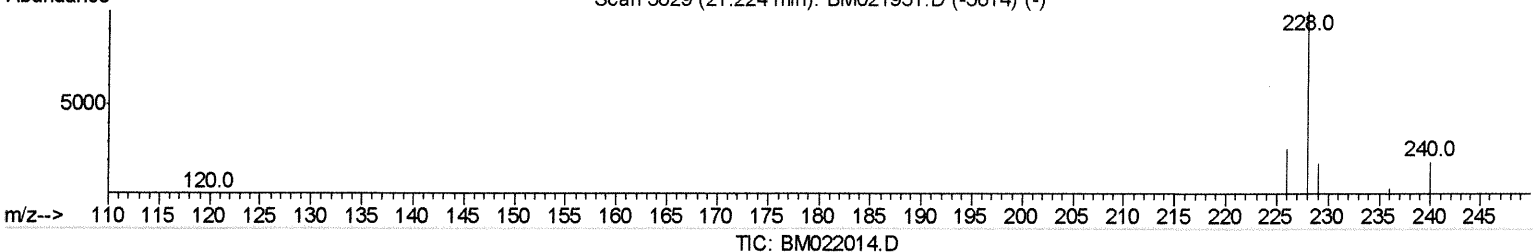
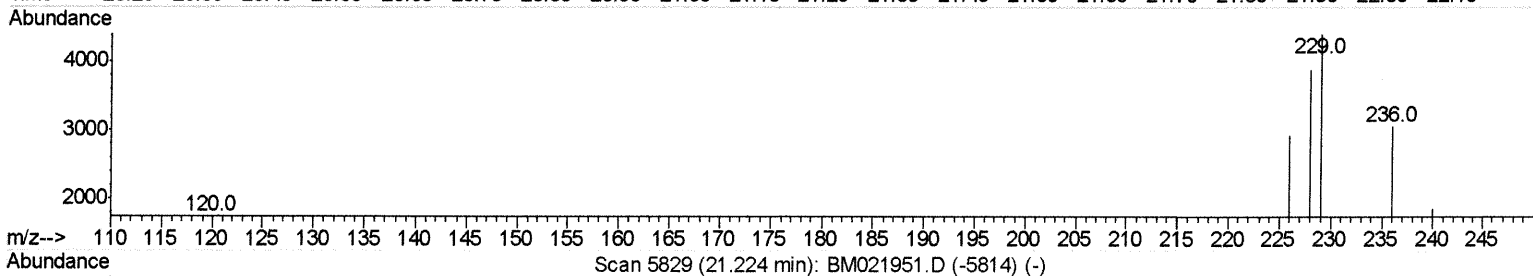
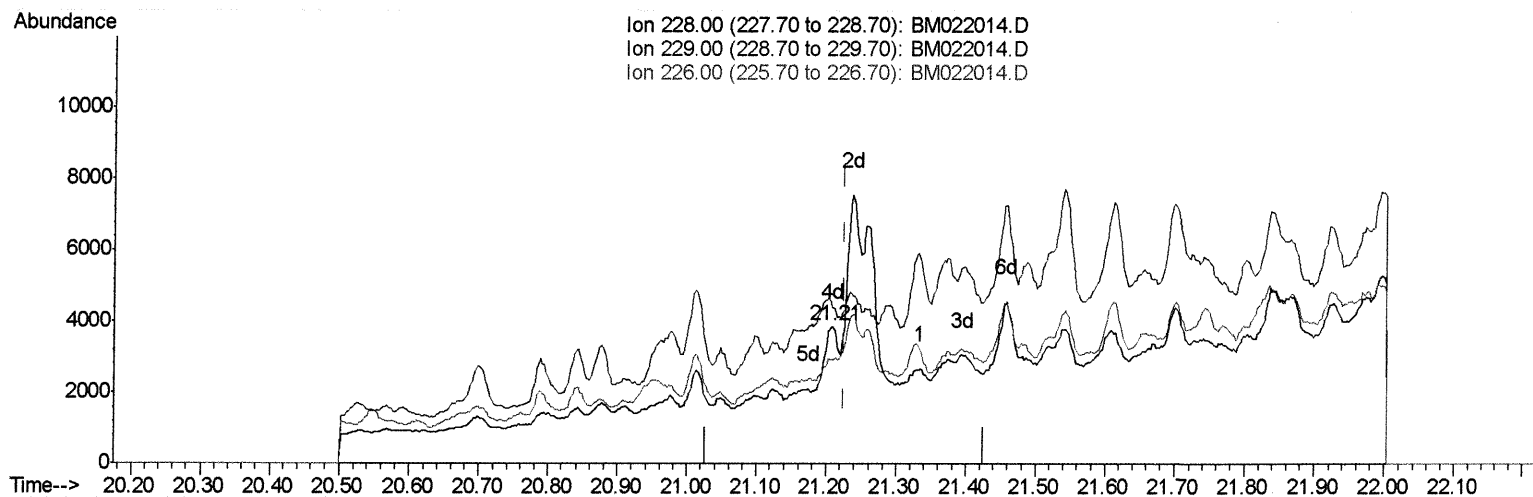
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 JLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:55:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.208min (-0.019) 0.14ng/ul m

JU  
 08/12/19

response 2570

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 228.00 | 100   | 100     |
| 229.00 | 21.50 | 113.66# |
| 226.00 | 28.30 | 75.48#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

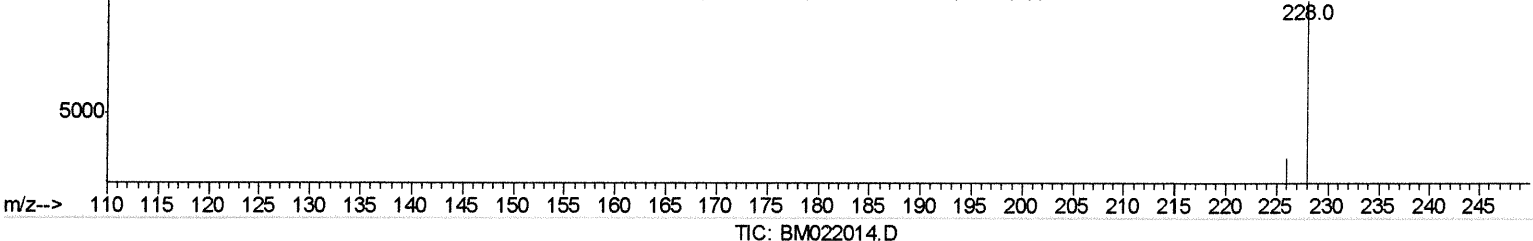
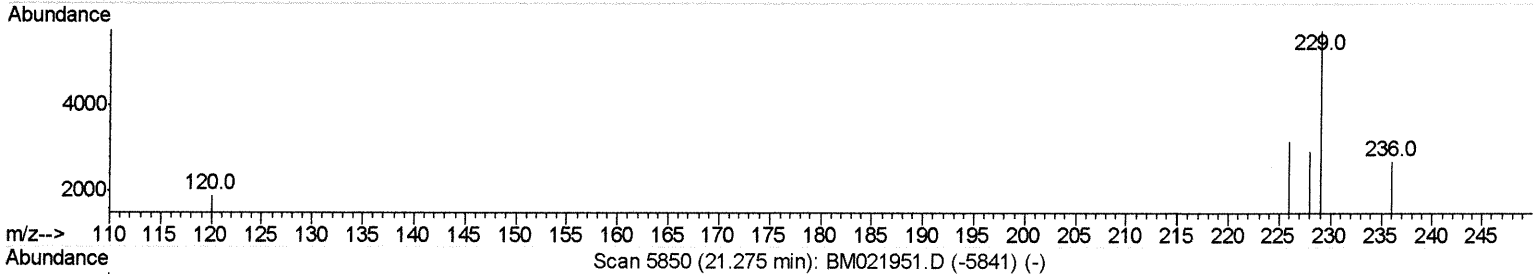
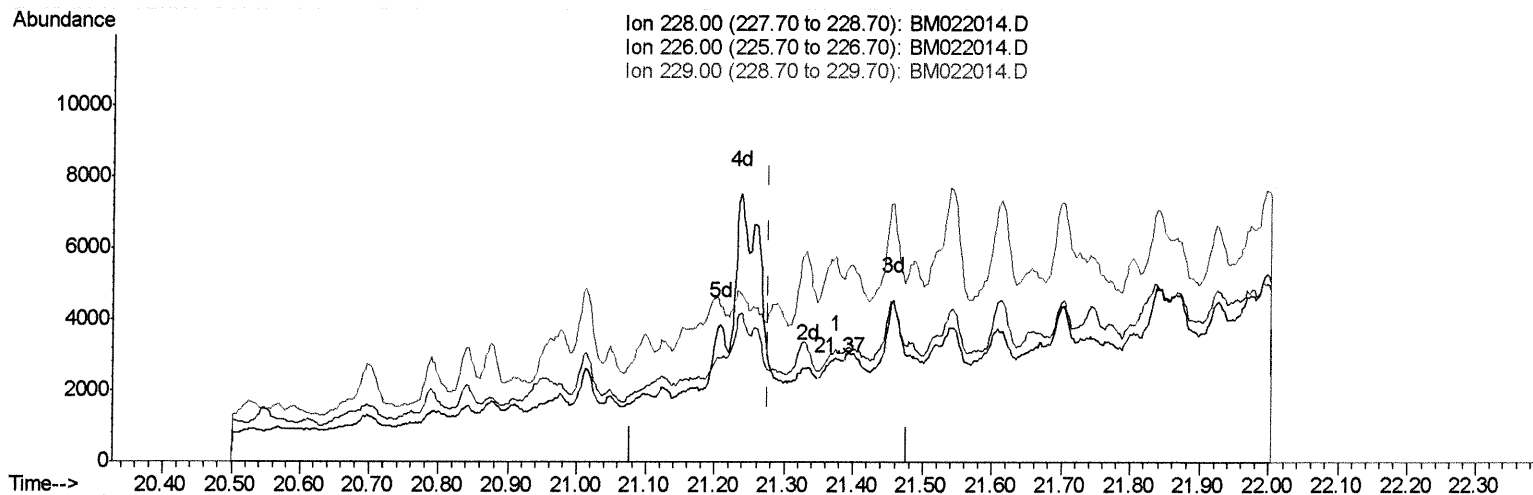
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:55:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(19) Chrysene

21.375min (+0.097) 0.04ng/ul

response 953

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 228.00 | 100   | 100     |
| 226.00 | 31.10 | 107.97# |
| 229.00 | 20.80 | 196.55# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

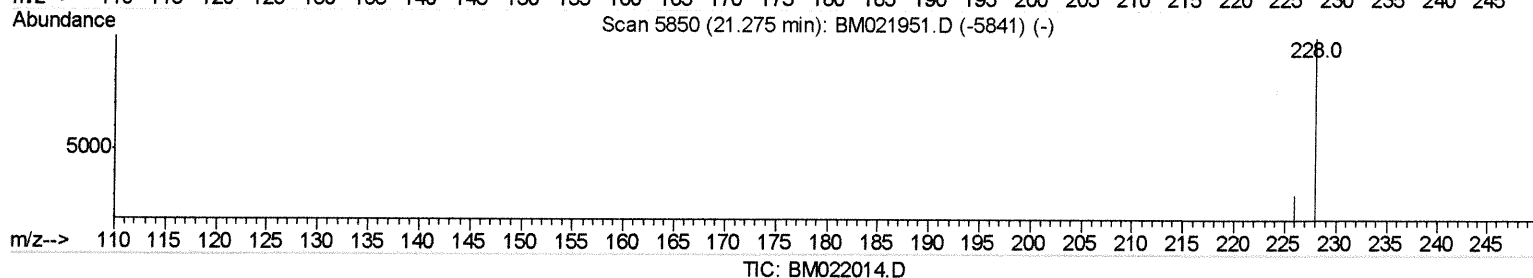
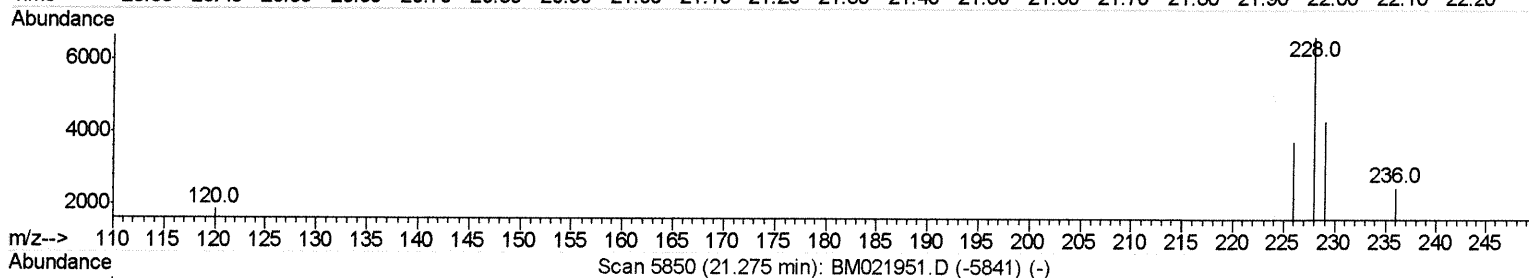
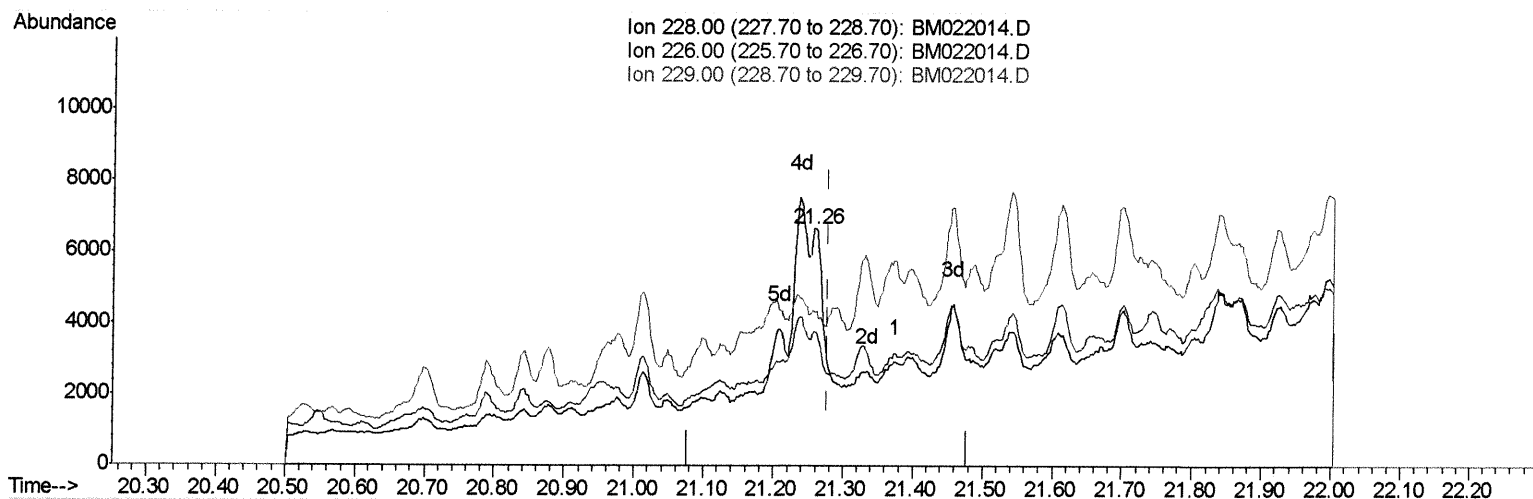
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 JLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:55:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(19) Chrysene

21.258min (-0.019) 0.22ng/ul m

JU  
 08/12/19

response 5257

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 31.10 | 56.36# |
| 229.00 | 20.80 | 64.74# |
| 0.00   | 0.00  | 0.00   |

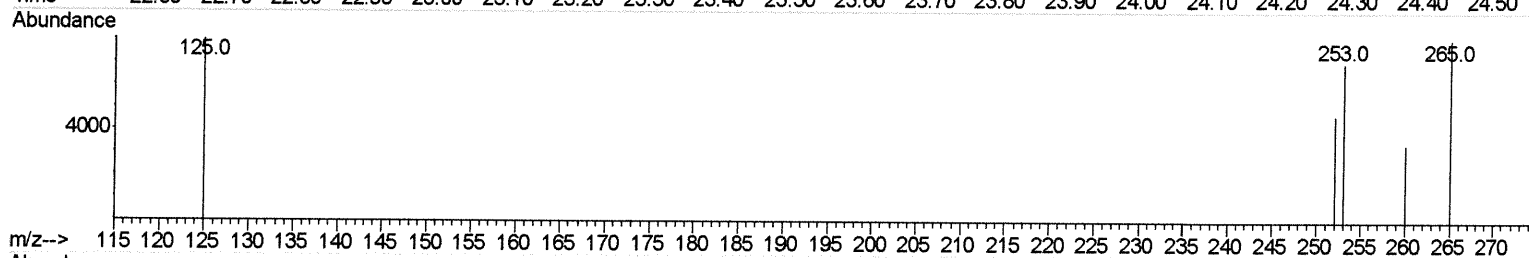
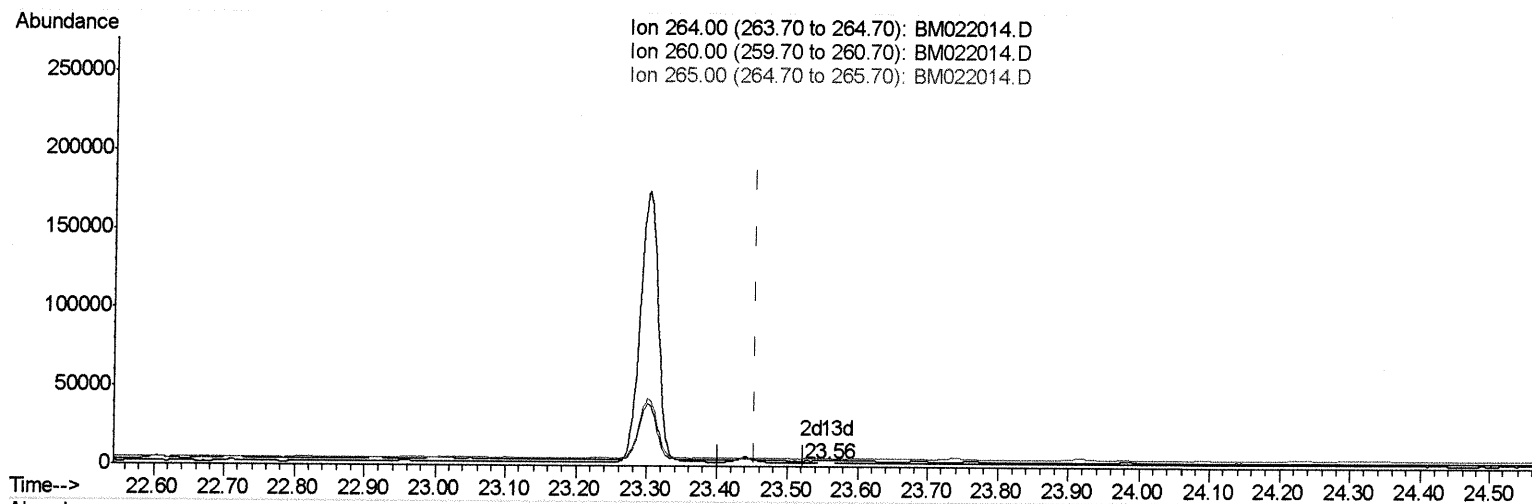
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

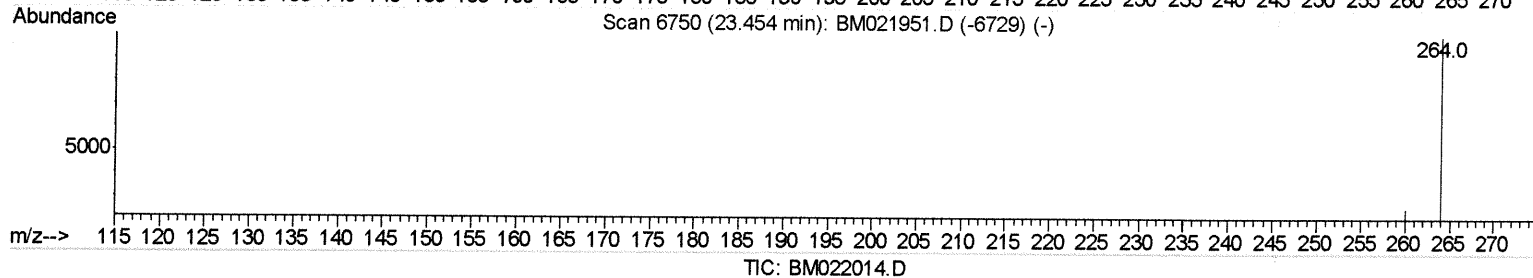
Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:55:56 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



Scan 6750 (23.454 min): BM021951.D (-6729) (-)



(20) Perylene-d12 (I)

23.557min (+0.103) 0.40ng/ul

response 81

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 264.00 | 100    | 100     |
| 260.00 | 27.50  | 157.56# |
| 265.00 | 117.00 | 235.85# |
| 0.00   | 0.00   | 0.00    |

# Quantitation Report (Qedit)

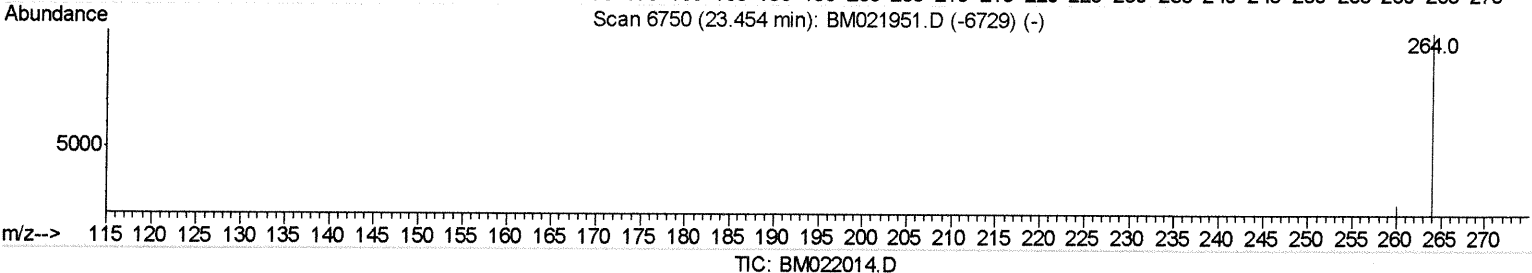
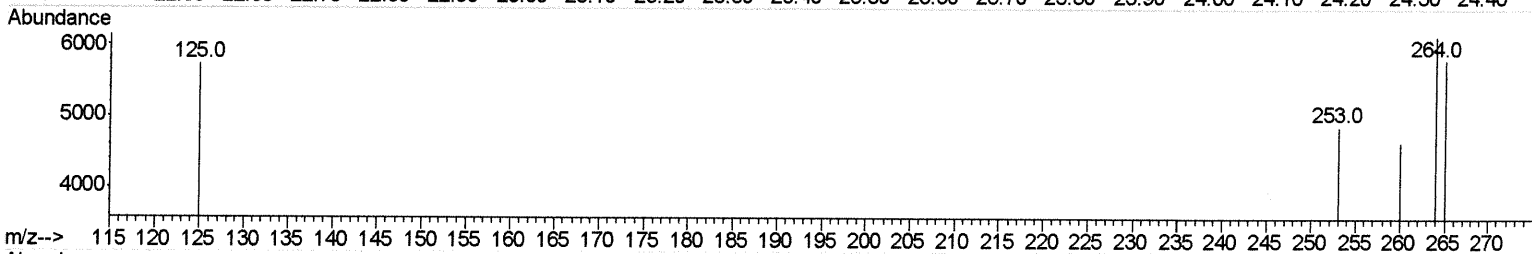
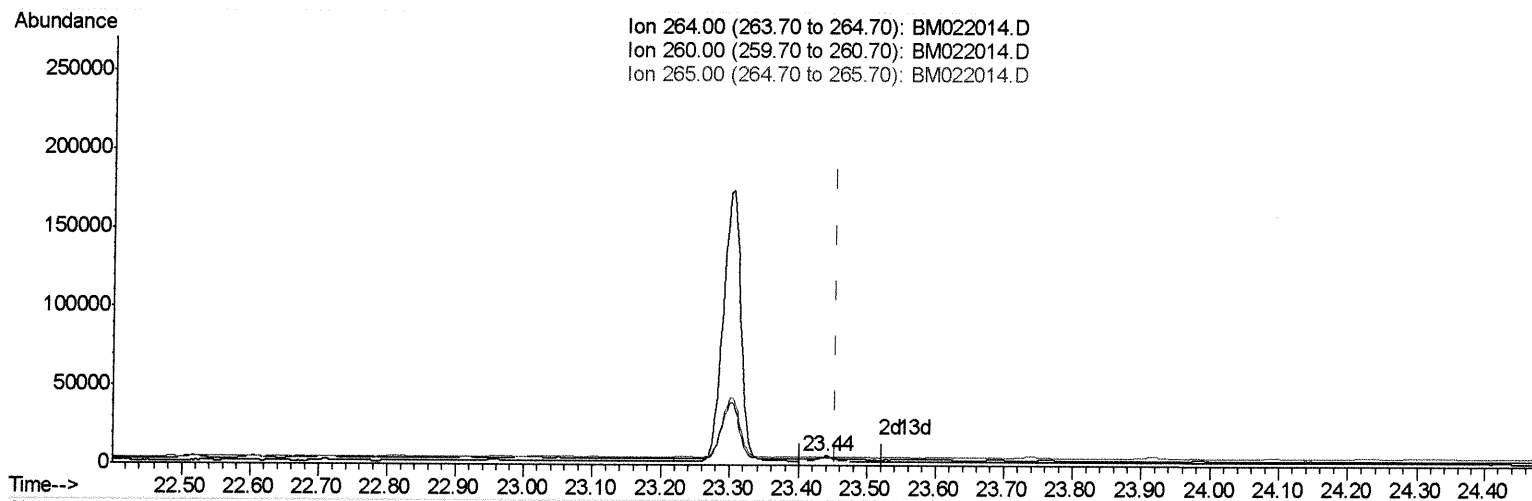
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:55:56 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.440min (-0.014) 0.40ng/ul m *JU* 08/12/19

response 6403

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 75.56# |
| 265.00 | 117.00 | 94.53  |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

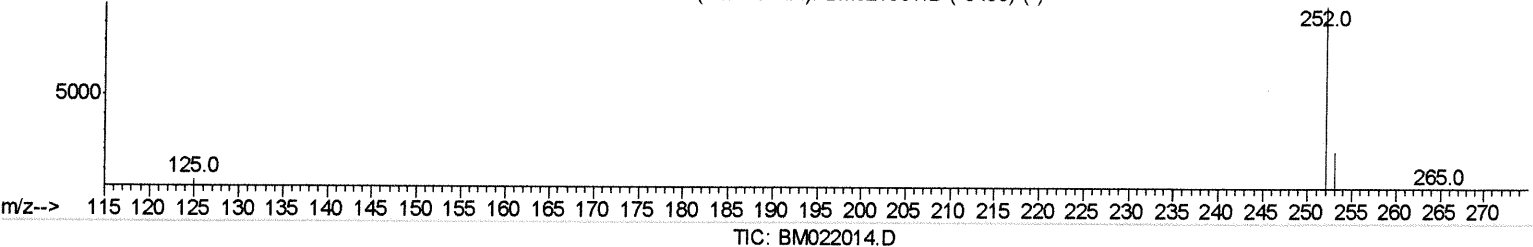
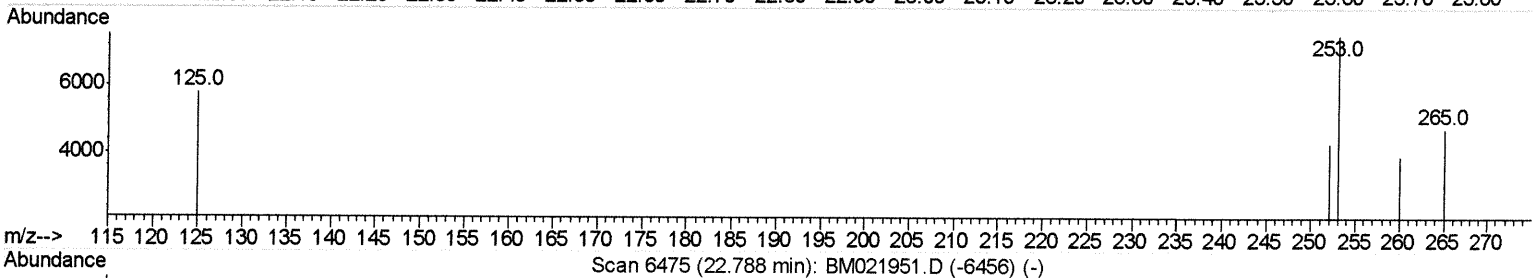
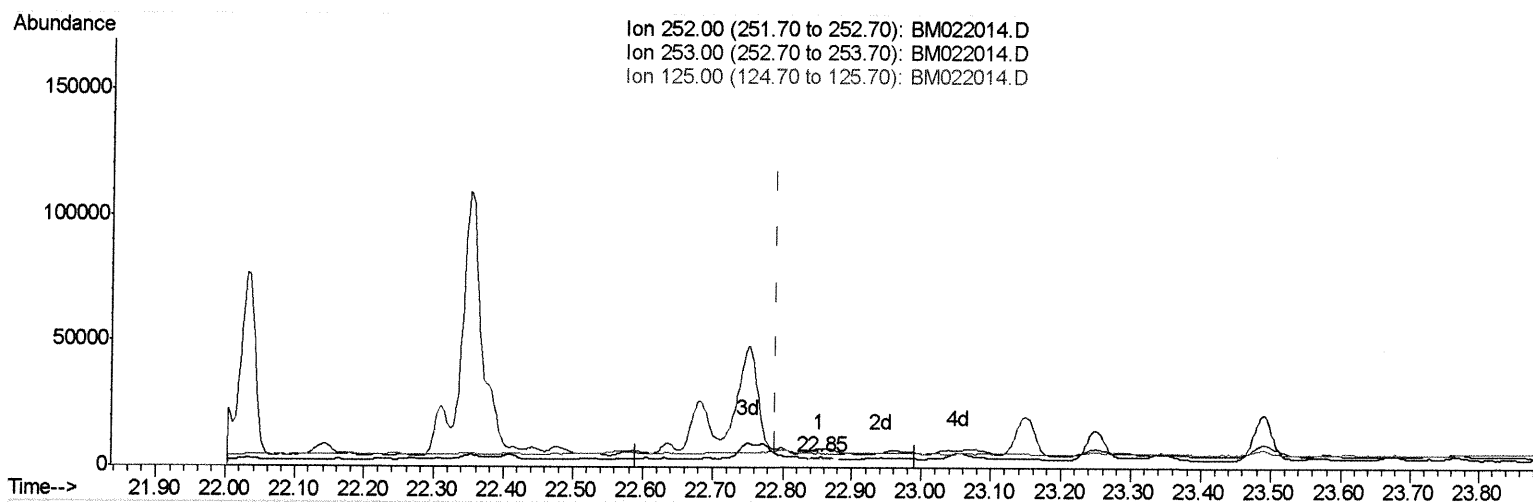
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.854min (+0.063) 0.06ng/ul

response 1247

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 33.70 | 175.82# |
| 125.00 | 15.50 | 135.38# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

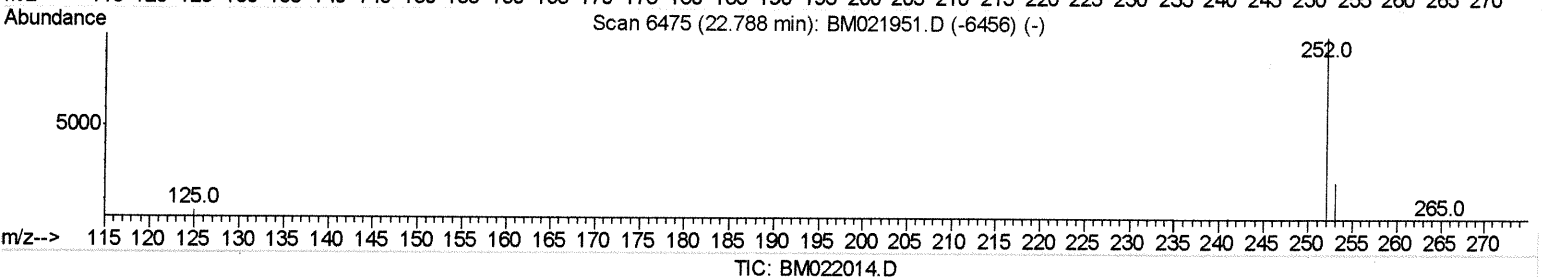
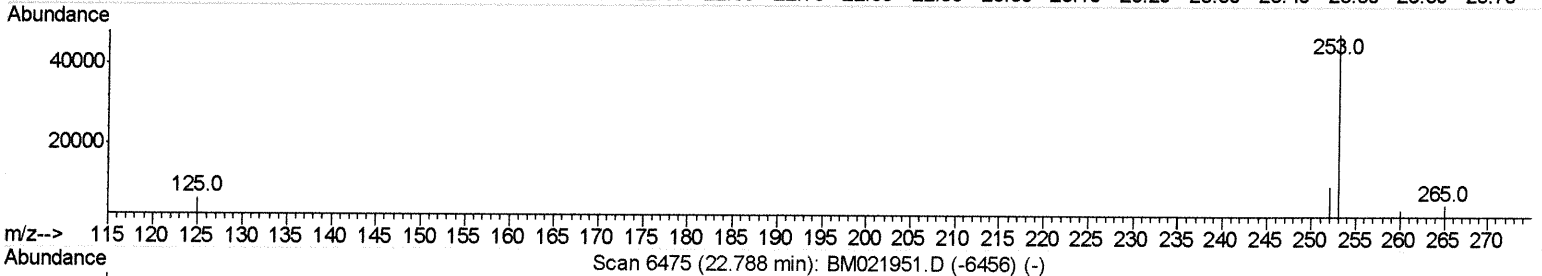
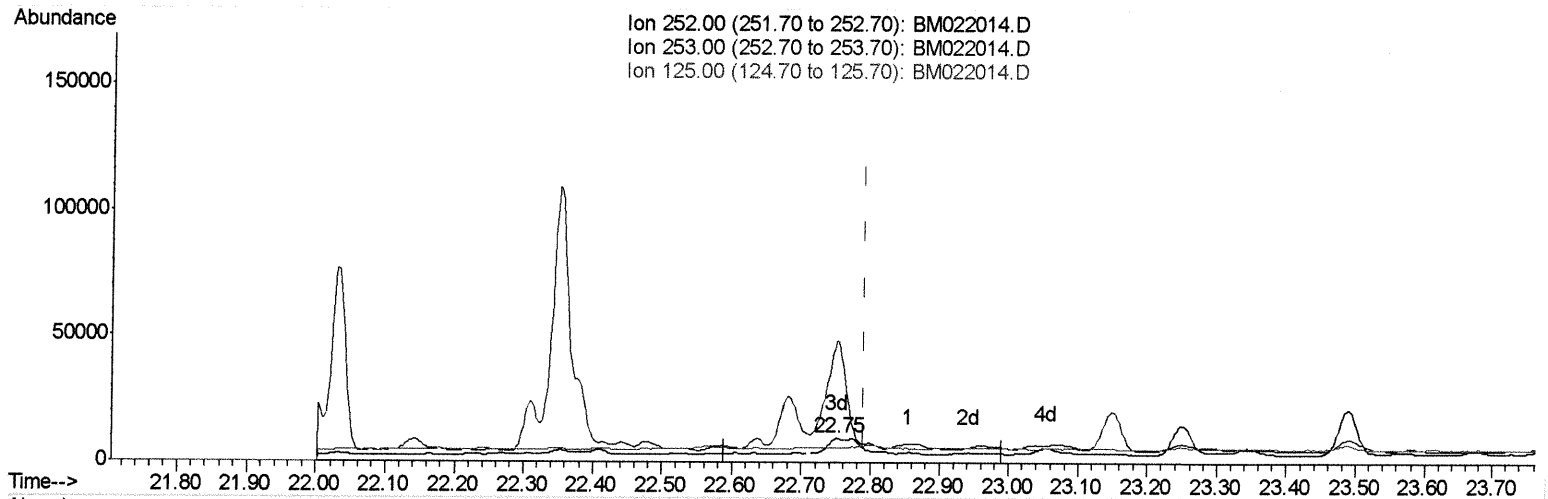
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.750min (-0.041) 0.43ng/ul m

response 9378

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 33.70 | 494.21# |
| 125.00 | 15.50 | 62.72#  |
| 0.00   | 0.00  | 0.00    |

JU  
 08/12/19

# Quantitation Report (Qedit)

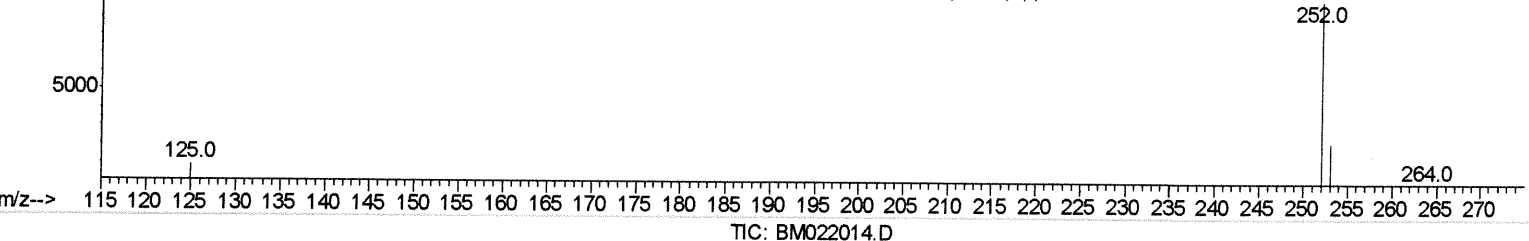
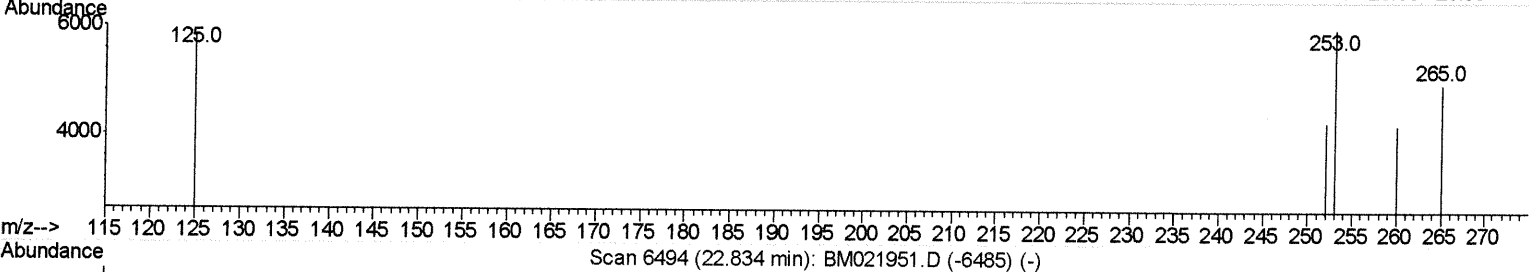
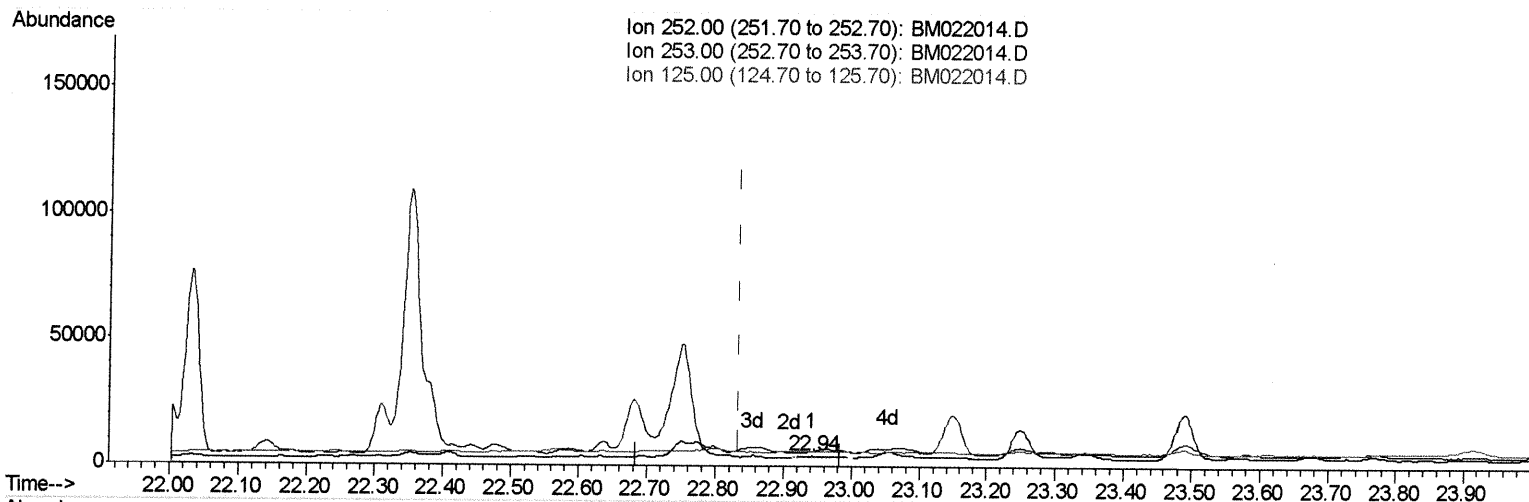
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.941min (+0.107) 0.07ng/ul

response 1741

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 33.70 | 140.26# |
| 125.00 | 15.20 | 136.31# |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

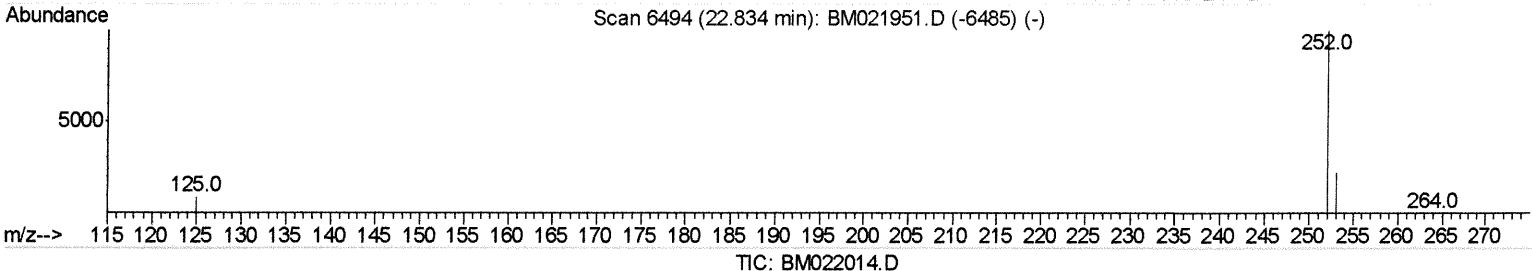
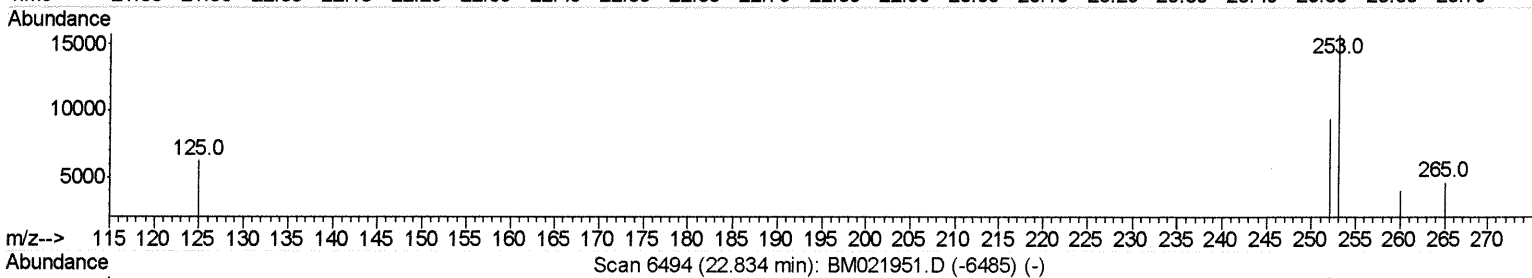
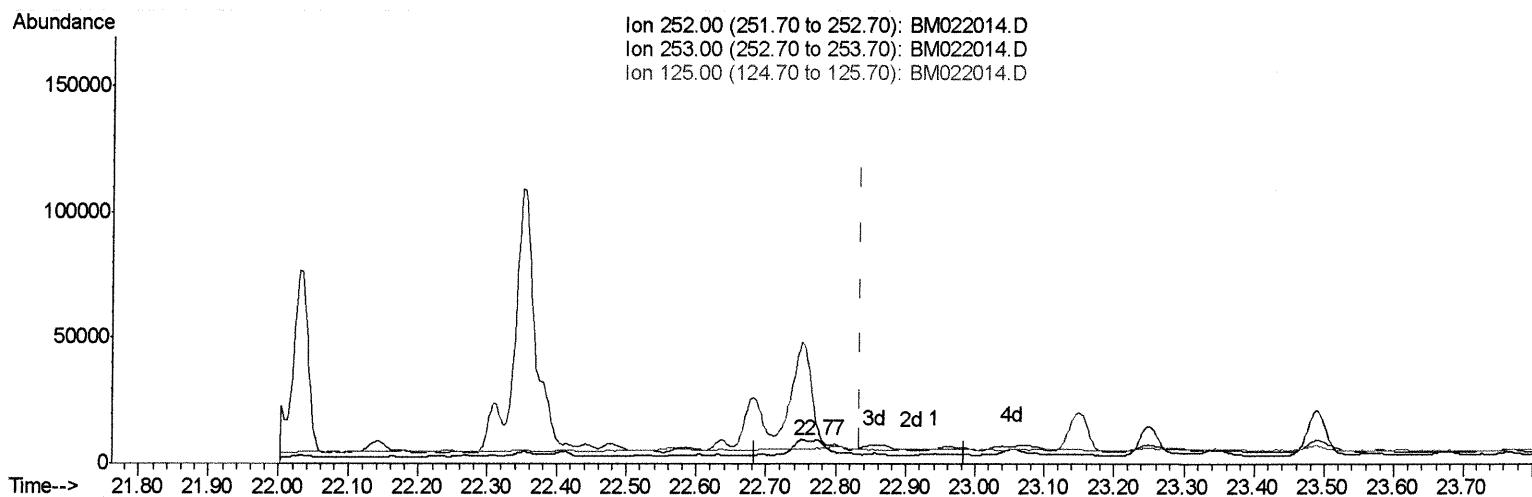
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.772min (-0.063) 0.33ng/ul m

JU  
08/12/19

response 8023

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 33.70 | 168.32# |
| 125.00 | 15.20 | 66.86#  |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

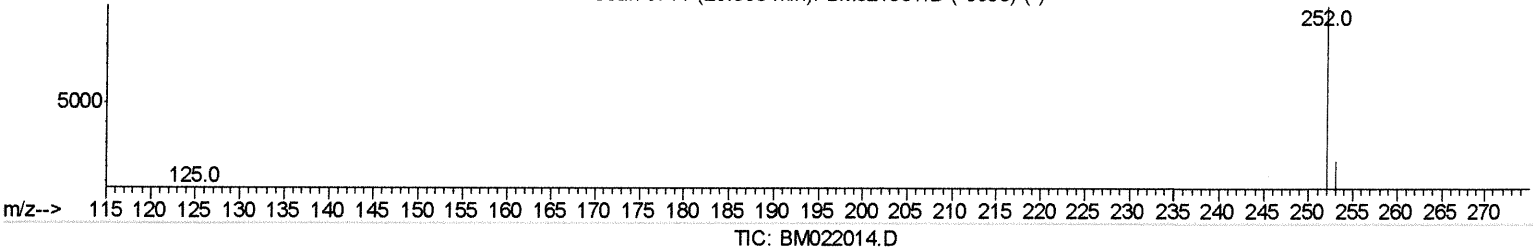
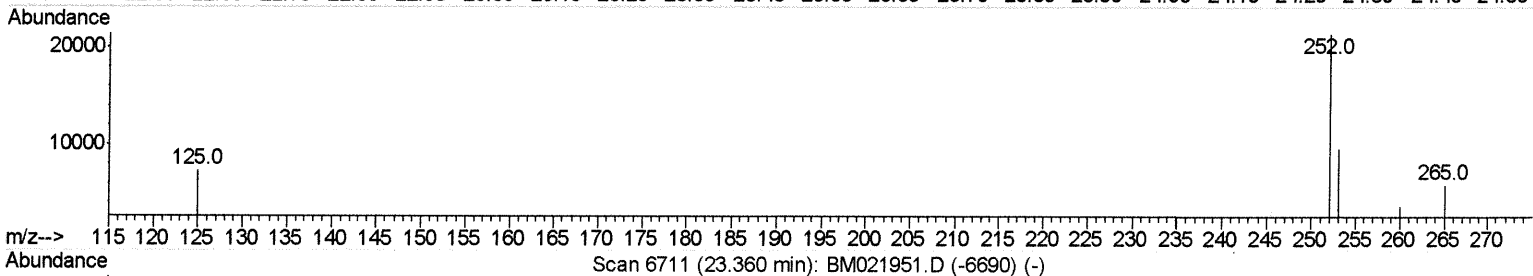
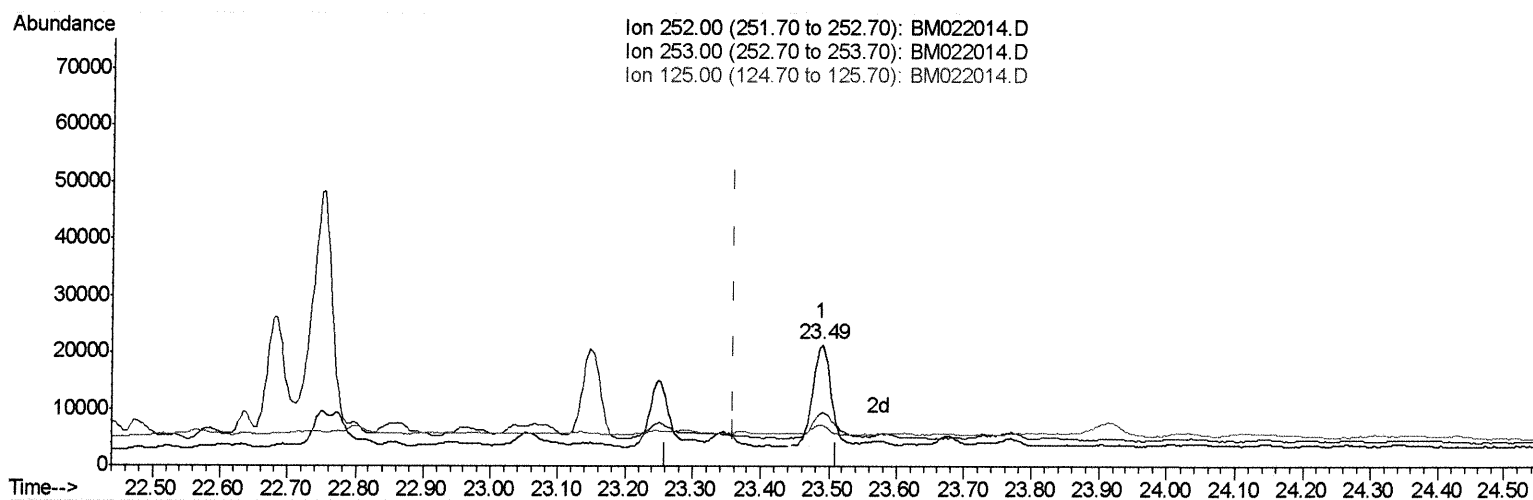
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.489min (+0.129) 1.54ng/ul

response 33879

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 39.60 | 44.45  |
| 125.00 | 18.20 | 34.14# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

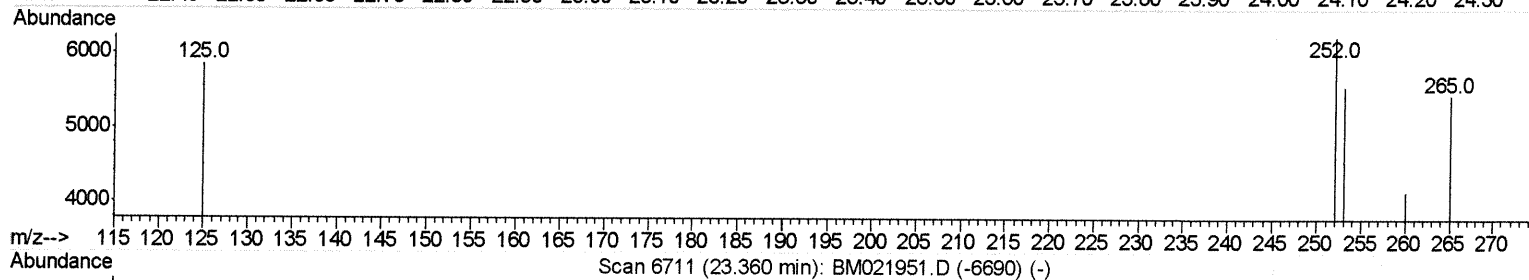
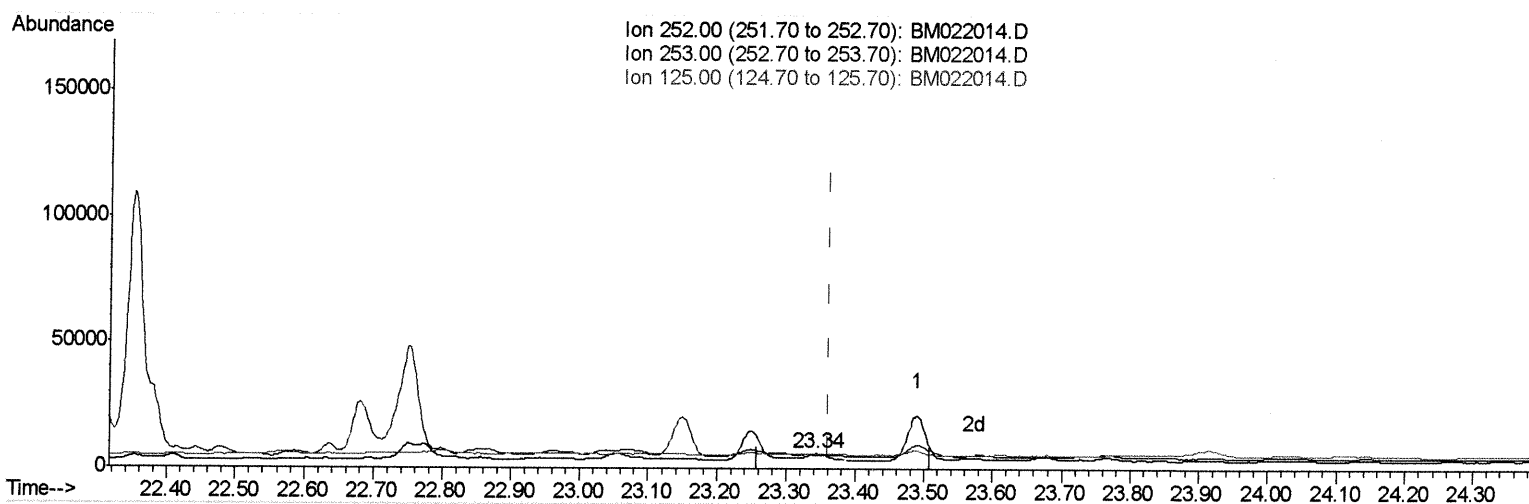
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



TIC: BM022014.D

(23) Benzo(a)pyrene (C)

23.344min (-0.017) 0.30ng/ul m

JU  
08/12/19

response 6693

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 39.60 | 89.23# |
| 125.00 | 18.20 | 93.79# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

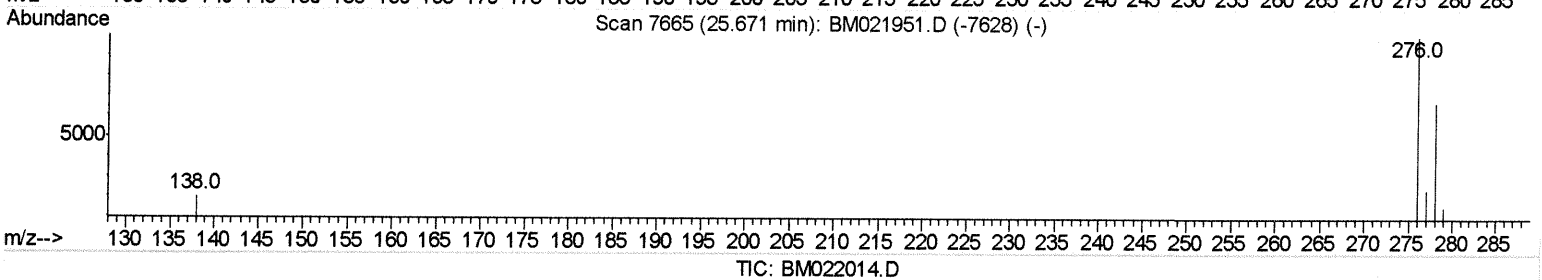
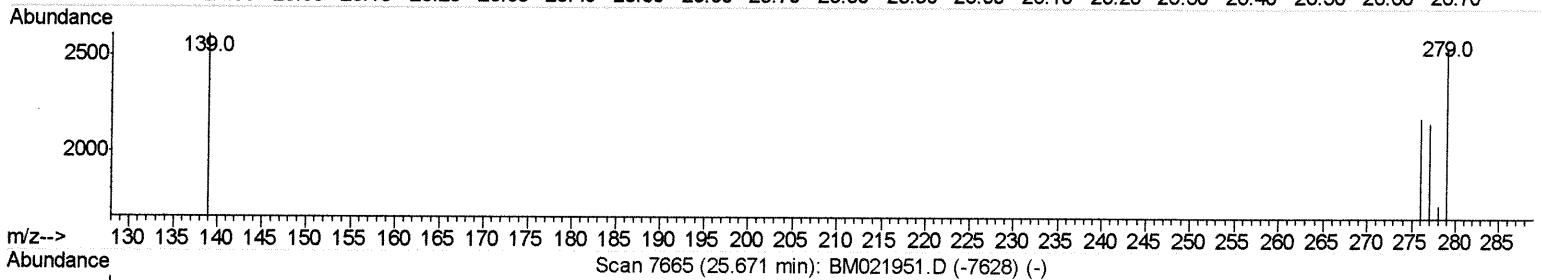
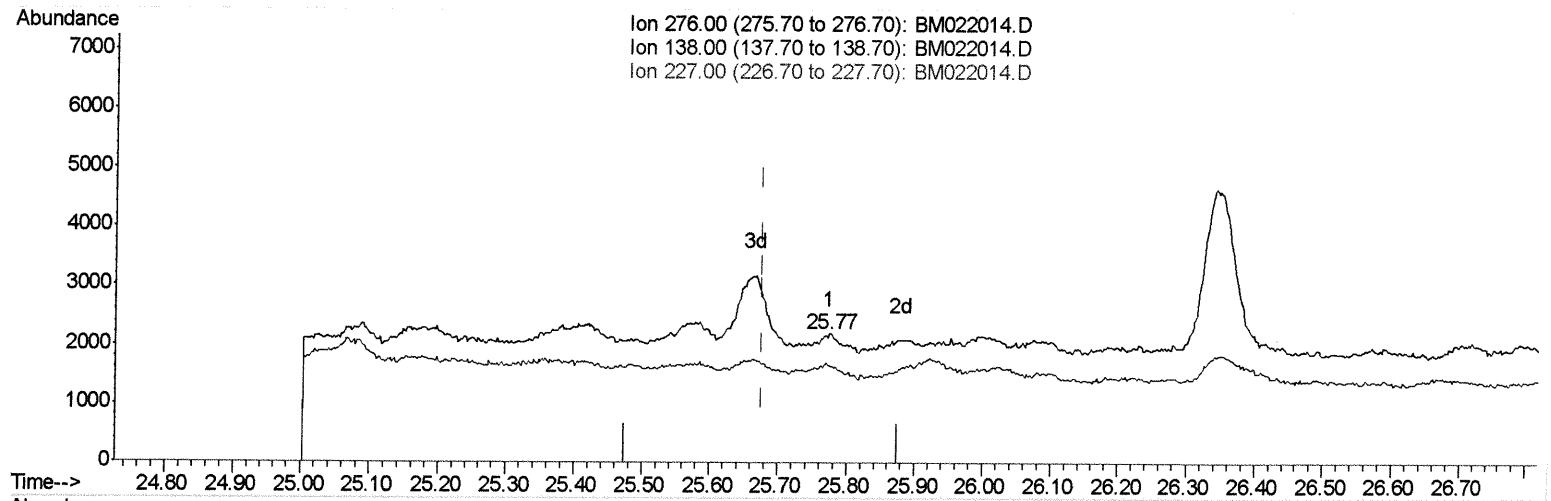
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



(24) Indeno(1,2,3-cd)pyrene

25.774min (+0.097) 0.02ng/ul

response 604

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 18.90 | 73.01# |
| 227.00 | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

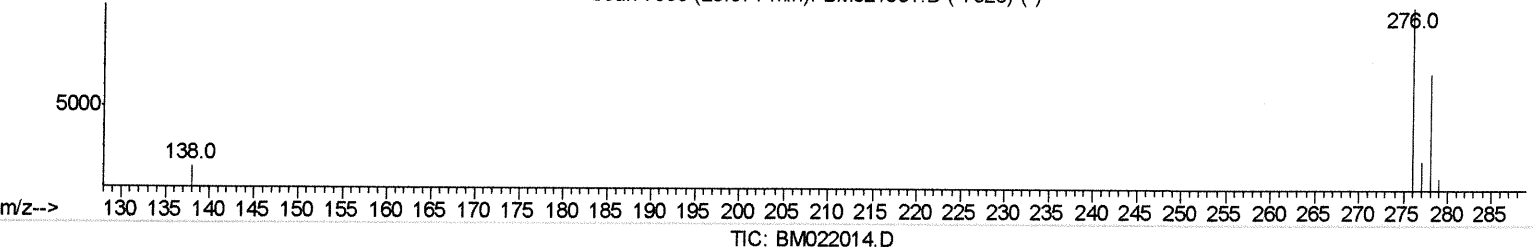
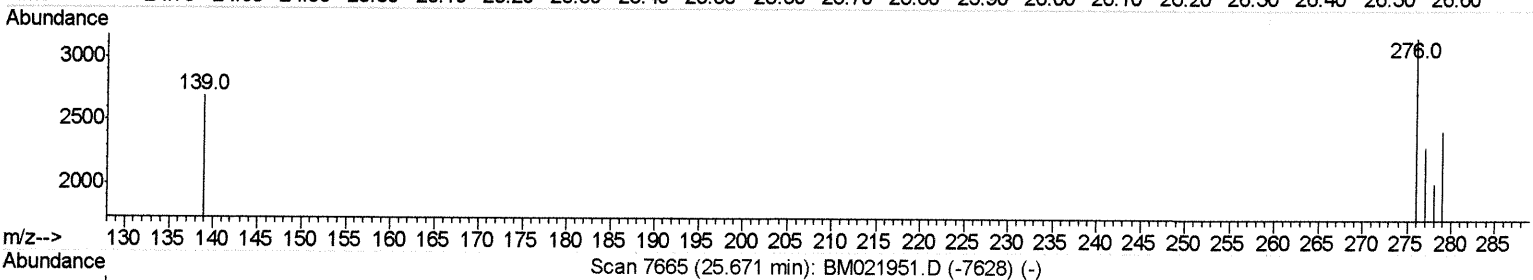
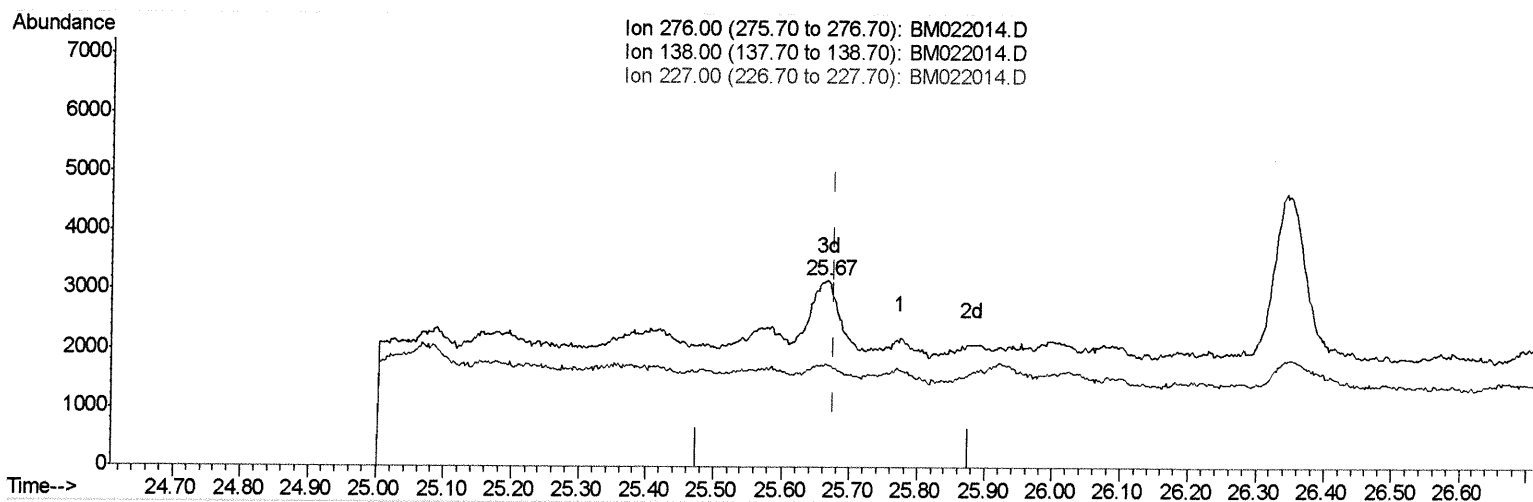
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 JLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(24) Indeno(1,2,3-cd)pyrene

25.667min (-0.009) 0.13ng/ul m

JU  
 08/12/19

response 3496

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 18.90 | 12.61# |
| 227.00 | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

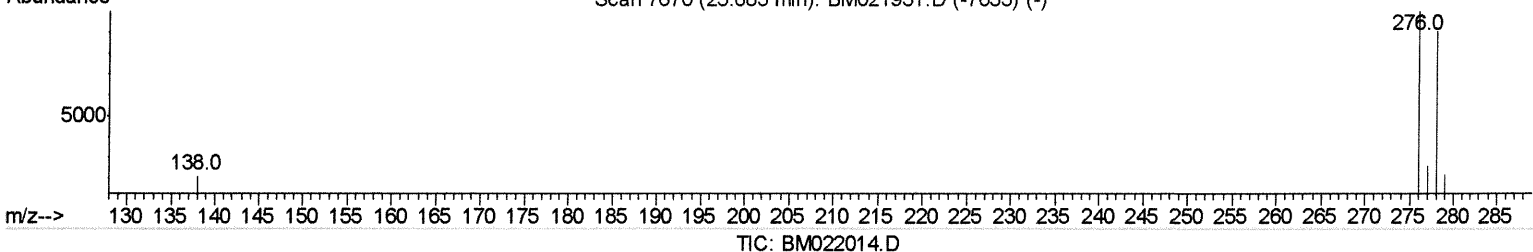
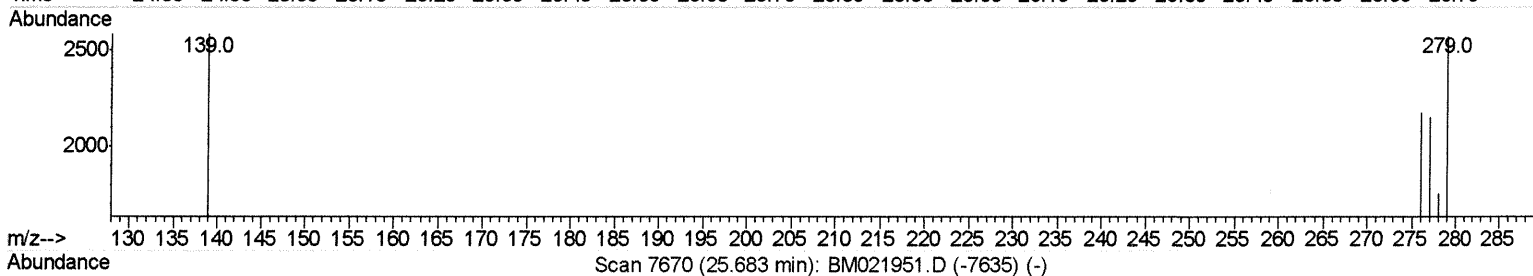
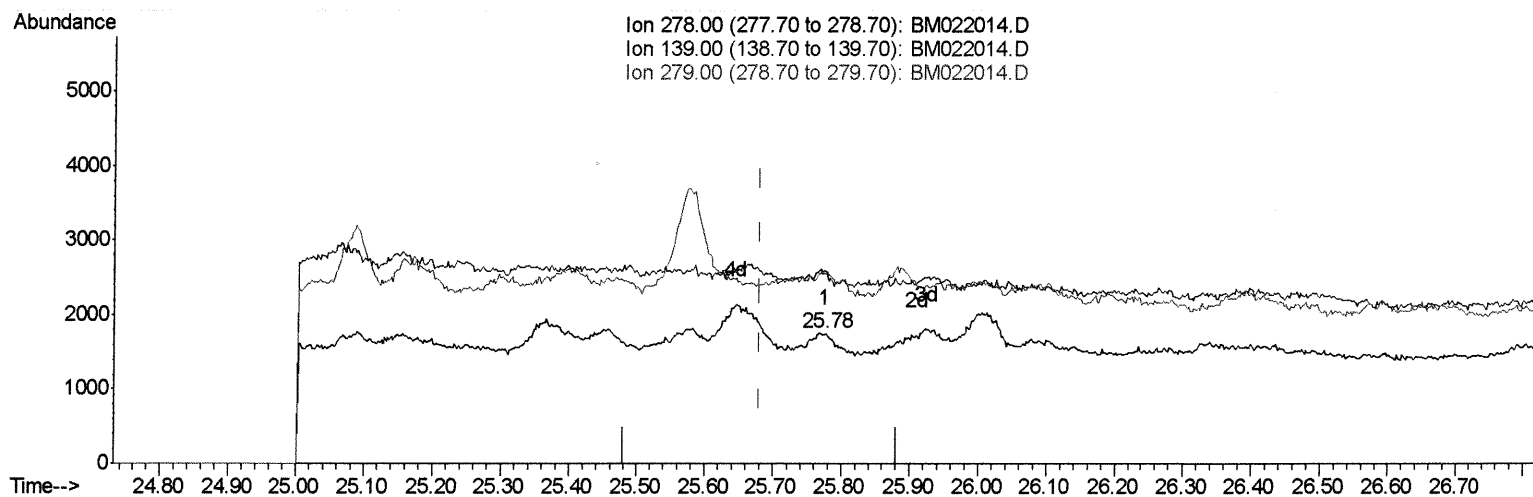
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
Data File : BM022014.D  
Acq On : 11 Aug 2019 02:56  
Operator : HP/JU  
Sample : K4116-11  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
JLLE1

Manual Integrations  
APPROVED

Sohil  
8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.776min (+0.095) 0.04ng/ul

response 785

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 17.70 | 147.26# |
| 279.00 | 35.40 | 146.52# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

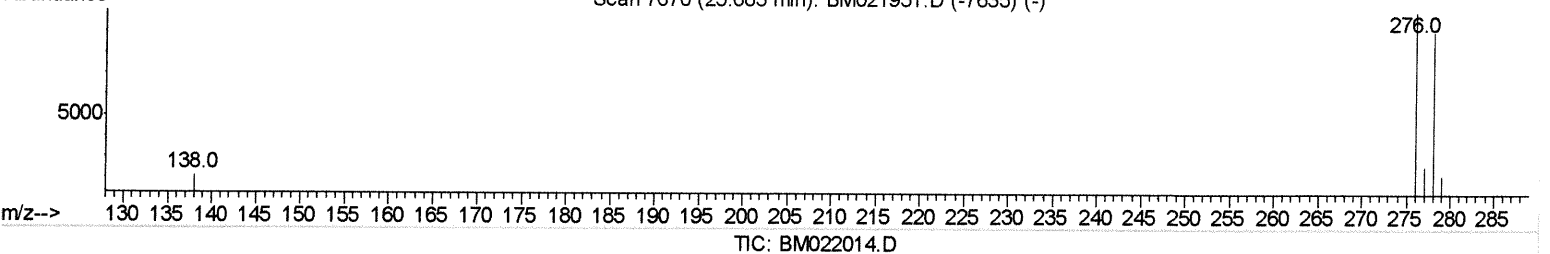
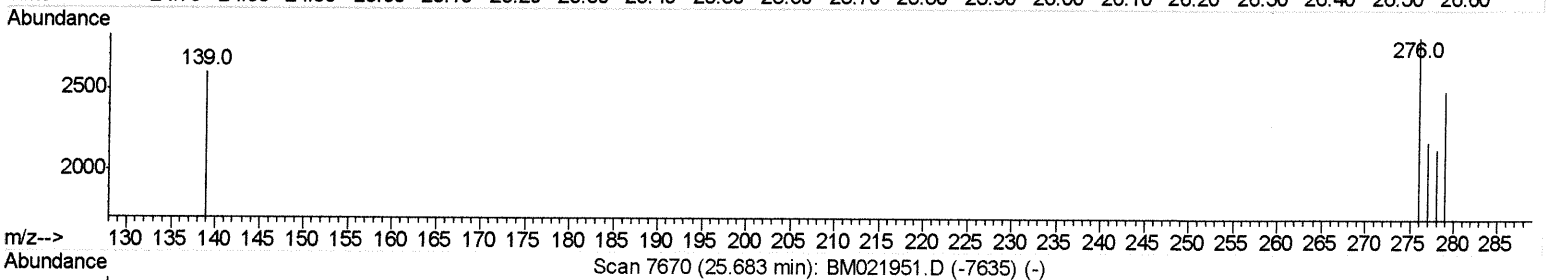
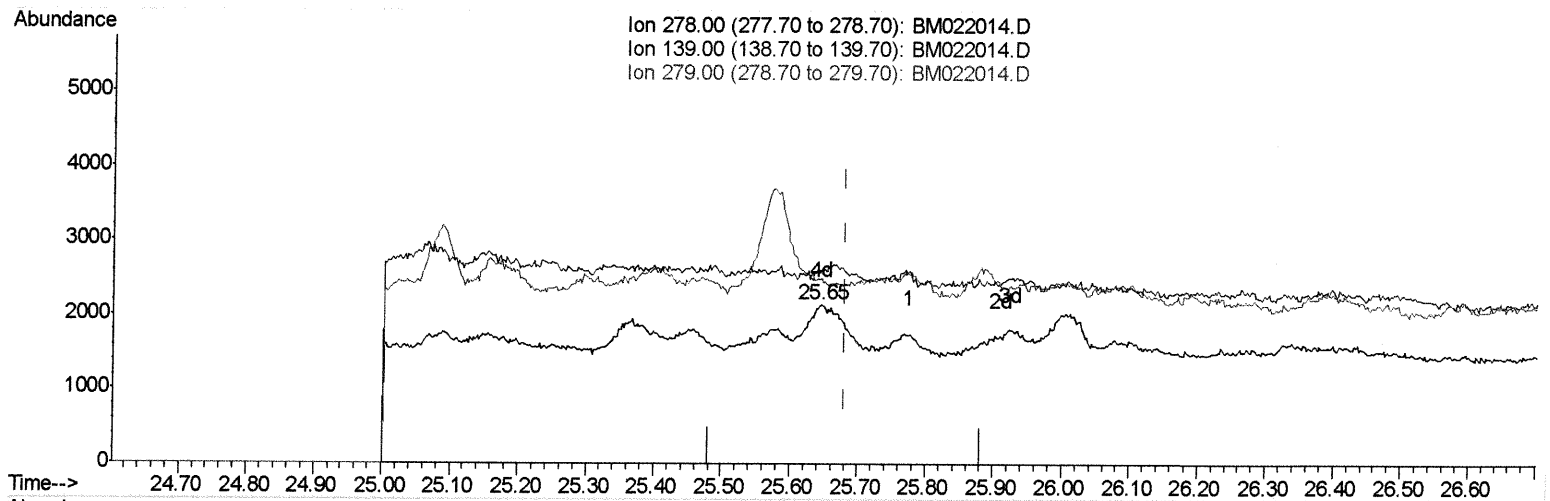
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 03:57:43 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.645min (-0.036) 0.10ng/ul m

JU  
 08/12/19

response 2141

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 17.70 | 121.29# |
| 279.00 | 35.40 | 116.53# |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\  
 Data File : BM022014.D  
 Acq On : 11 Aug 2019 02:56  
 Operator : HP/JU  
 Sample : K4116-11  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLE1

Manual Integrations  
 APPROVED

Sohil  
 8/13/2019 8:34:25 AM

Quant Time: Aug 11 04:00:01 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 : Sun Aug 11 01:49:36 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.61  | 152  | 1064     | 0.40  | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.39 | 136  | 4157     | 0.40  | ng/ul  | -0.03    |
| 6) Acenaphthene-d10         | 14.27 | 164  | 2172     | 0.40  | ng/ul  | -0.01    |
| 10) Phenanthrene-d10        | 17.02 | 188  | 5203m    | 0.40  | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.22 | 240  | 5240m    | 0.40  | ng/ul  | -0.02    |
| 20) Perylene-d12            | 23.44 | 264  | 6403m    | 0.40  | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.00 | 152  | 1305     | 0.19  | ng/ul  | -0.02    |
| 14) Fluoranthene-d10        | 19.06 | 212  | 3206m    | 0.18  | ng/ul  | -0.02    |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 10.44 | 128  | 1379     | 0.117 | ng/ul  | 95       |
| 5) 2-Methylnaphthalene      | 12.07 | 142  | 256      | 0.033 | ng/ul  | 90       |
| 7) Acenaphthylene           | 13.99 | 152  | 1154     | 0.114 | ng/ul# | 79       |
| 9) Fluorene                 | 15.33 | 166  | 248      | 0.027 | ng/ul# | 89       |
| 12) Phenanthrene            | 17.06 | 178  | 1493m    | 0.099 | ng/ul  | 79       |
| 13) Anthracene              | 17.16 | 178  | 549m     | 0.043 | ng/ul  | 79       |
| 15) Fluoranthene            | 19.09 | 202  | 2289m    | 0.113 | ng/ul  | 79       |
| 17) Pyrene                  | 19.45 | 202  | 5509m    | 0.256 | ng/ul  | 79       |
| 18) Benzo(a)anthracene      | 21.21 | 228  | 2570m    | 0.137 | ng/ul  | 79       |
| 19) Chrysene                | 21.26 | 228  | 5257m    | 0.218 | ng/ul  | 79       |
| 21) Benzo(b)fluoranthene    | 22.75 | 252  | 9378m    | 0.434 | ng/ul  | 79       |
| 22) Benzo(k)fluoranthene    | 22.77 | 252  | 8023m    | 0.328 | ng/ul  | 79       |
| 23) Benzo(a)pyrene          | 23.34 | 252  | 6693m    | 0.305 | ng/ul  | 79       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.67 | 276  | 3496m    | 0.133 | ng/ul  | 79       |
| 25) Dibenzo(a,h)anthracene  | 25.65 | 278  | 2141m    | 0.101 | ng/ul  | 79       |
| 26) Benzo(a,h,i)perylene    | 26.34 | 276  | 9114     | 0.386 | ng/ul# | 51       |

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