

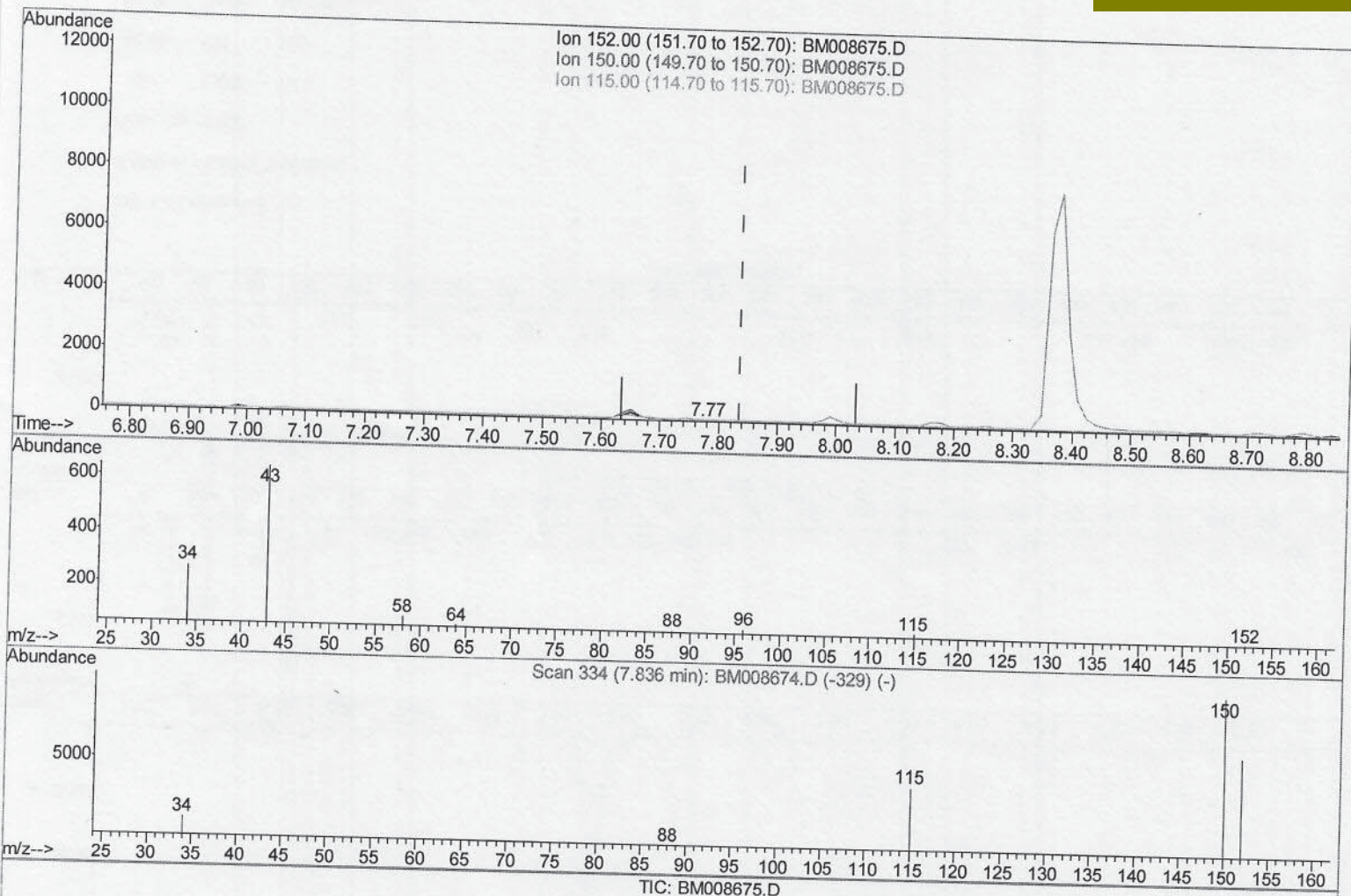
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DA863

Quant Time: Dec 28 03:54:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(1) 1,4-Dichlorobenzene-d4 (I)

7.774min (-0.062) 0.40ng/ul

response 6

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 152.00 | 100    | 100     |
| 150.00 | 143.40 | 94.23#  |
| 115.00 | 64.90  | 123.08# |
| 0.00   | 0.00   | 0.00    |

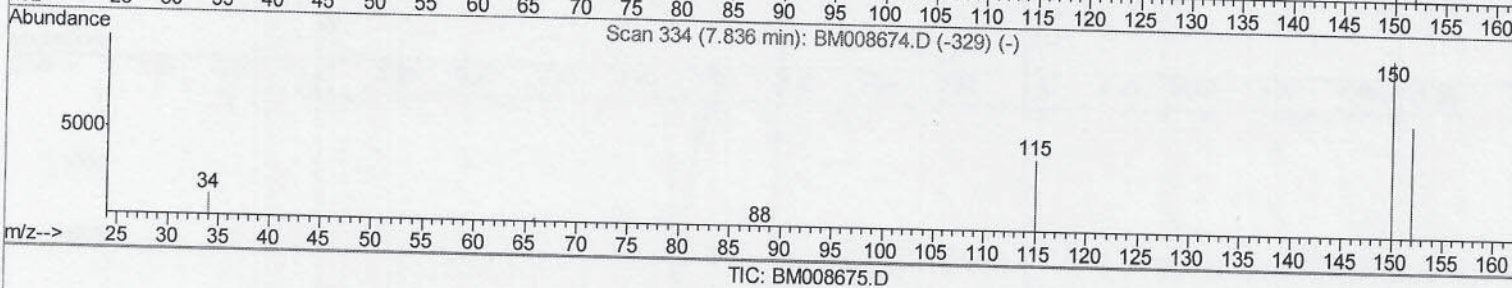
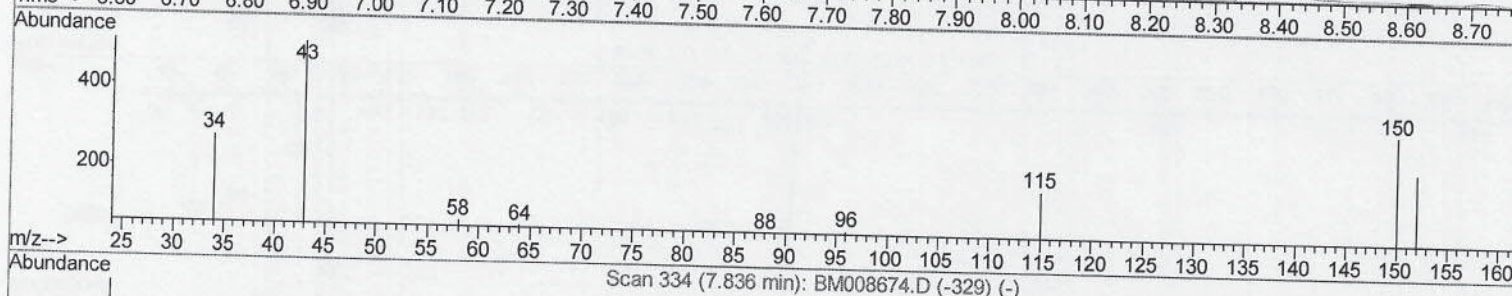
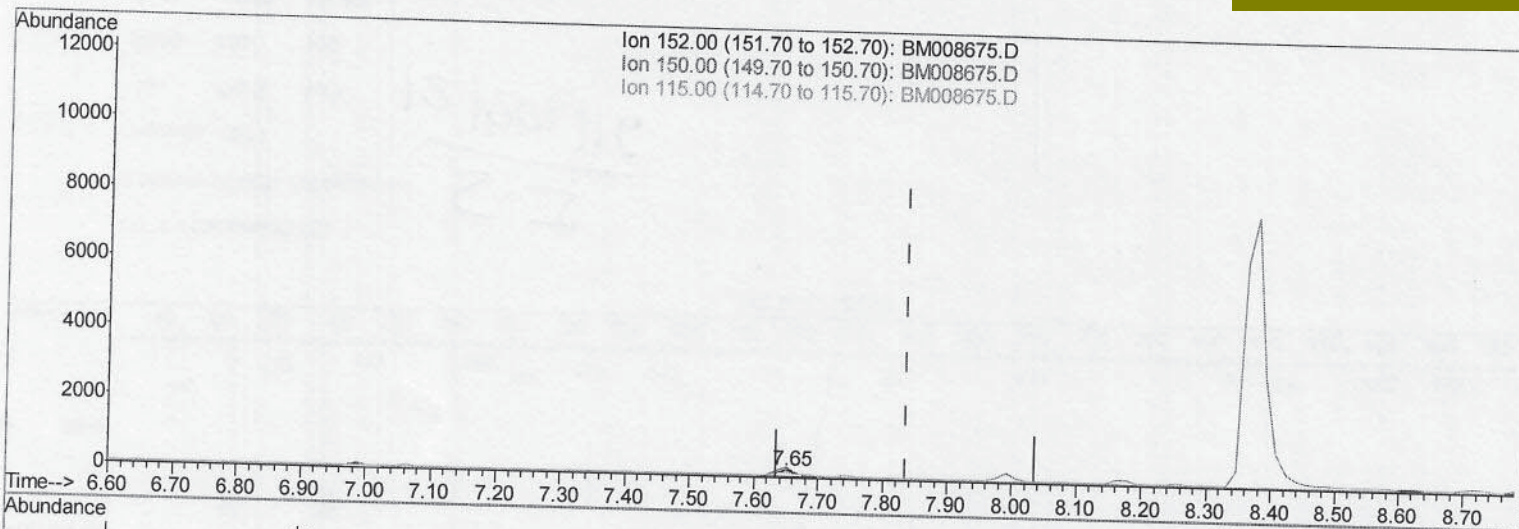
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:54:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(1) 1,4-Dichlorobenzene-d4 (I)

7.651min (-0.185) 0.40ng/ul m

response 475

SJ  
 12/30/16

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100    | 100    |
| 150.00 | 143.40 | 140.00 |
| 115.00 | 64.90  | 74.47  |
| 0.00   | 0.00   | 0.00   |

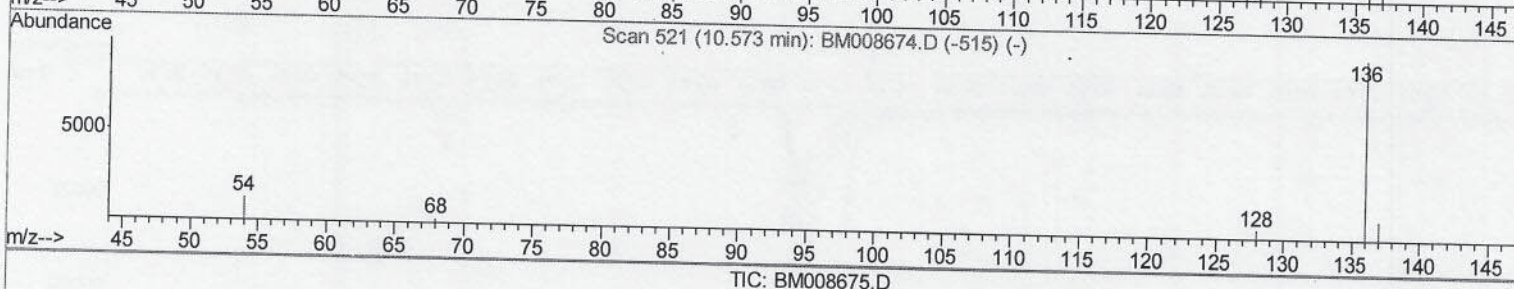
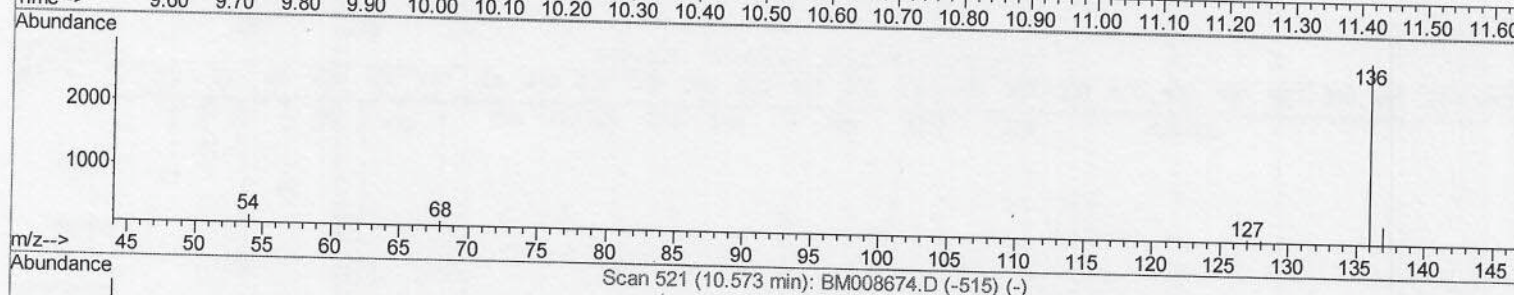
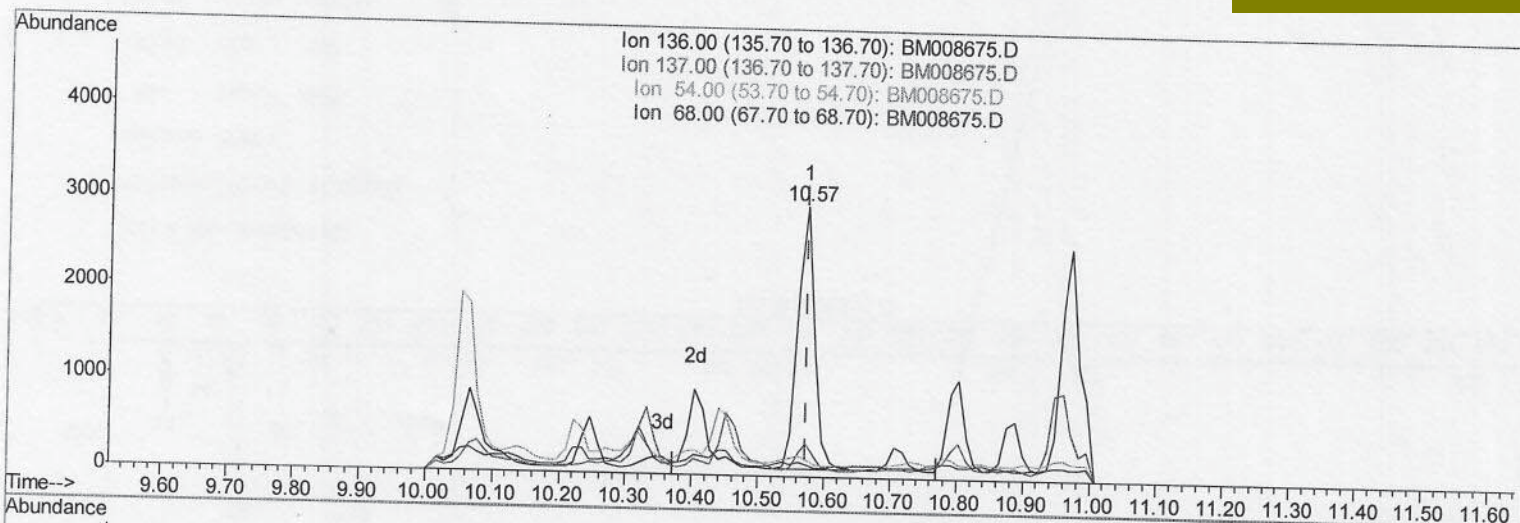
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:54:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(2) Naphthalene-d8 (I)

10.573min (+0.000) 0.40ng/ul

response 5097

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 136.00 | 100   | 100   |
| 137.00 | 13.90 | 12.47 |
| 54.00  | 15.50 | 6.30# |
| 68.00  | 9.90  | 4.63# |

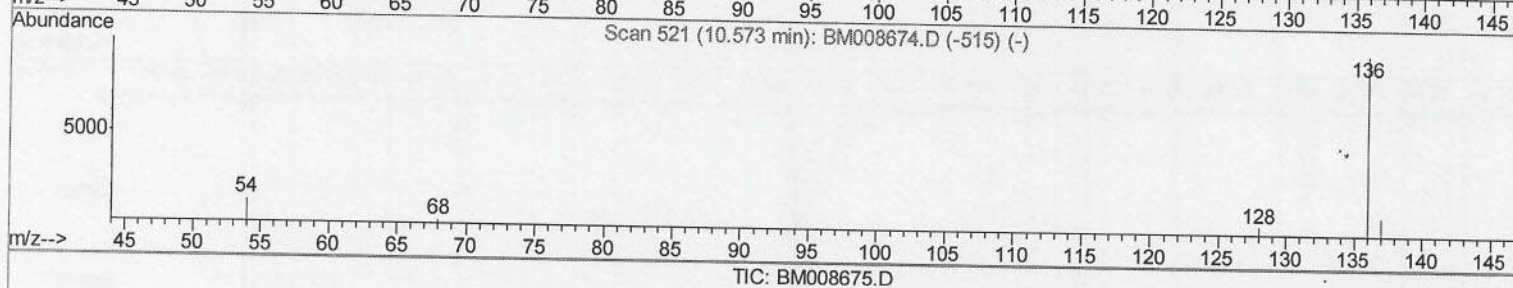
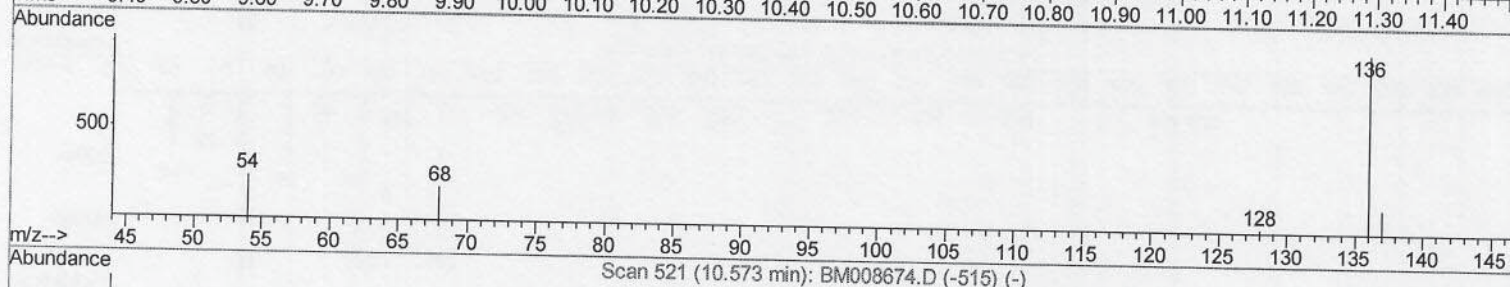
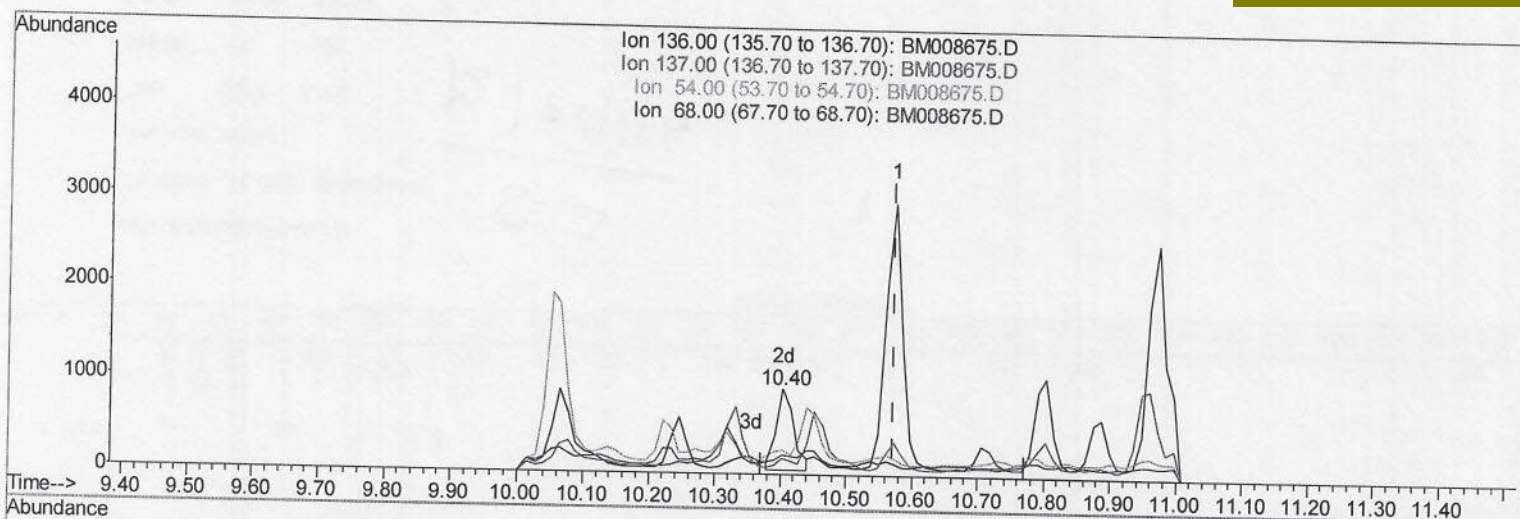
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 11:19:07 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(2) Naphthalene-d8 (I)

10.403min (-0.169) 0.40ng/ul m )  $\frac{S.J}{12/30/16}$   
 response 1637

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 136.00 | 100   | 100    |
| 137.00 | 13.90 | 18.60# |
| 54.00  | 15.50 | 28.71# |
| 68.00  | 9.90  | 23.44# |

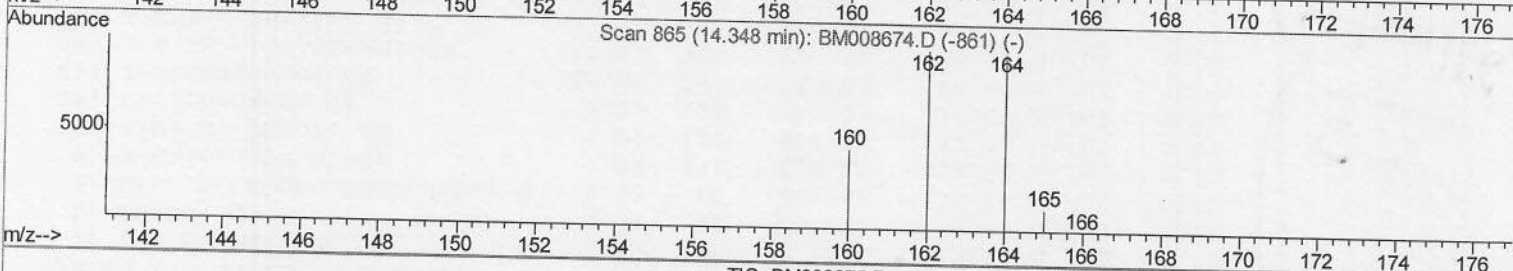
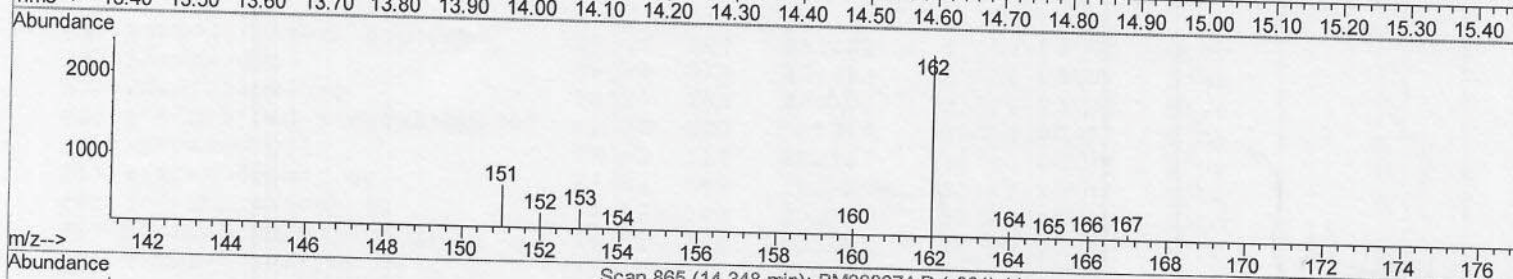
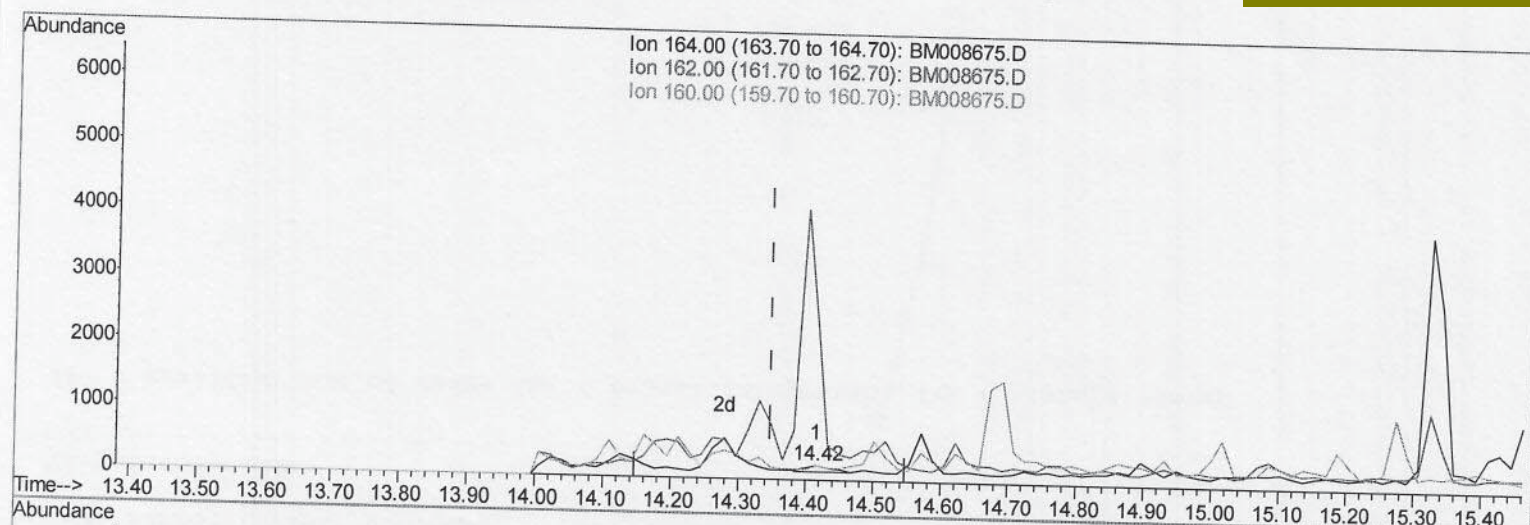
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:54:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



TIC: BM008675.D

(6) Acenaphthene-d10 (I)

14.417min (+0.069) 0.40ng/ul

response 284

| Ion    | Exp%  | Act%     |
|--------|-------|----------|
| 164.00 | 100   | 100      |
| 162.00 | 98.60 | 1058.77# |
| 160.00 | 48.80 | 100.88#  |
| 0.00   | 0.00  | 0.00     |

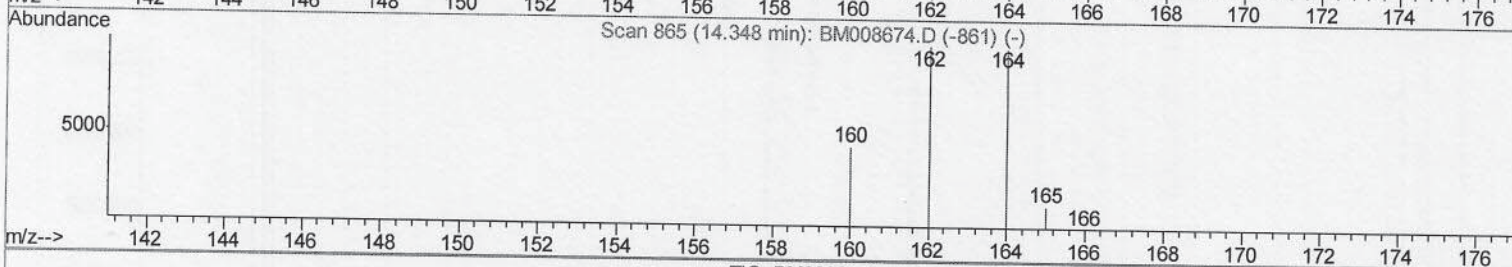
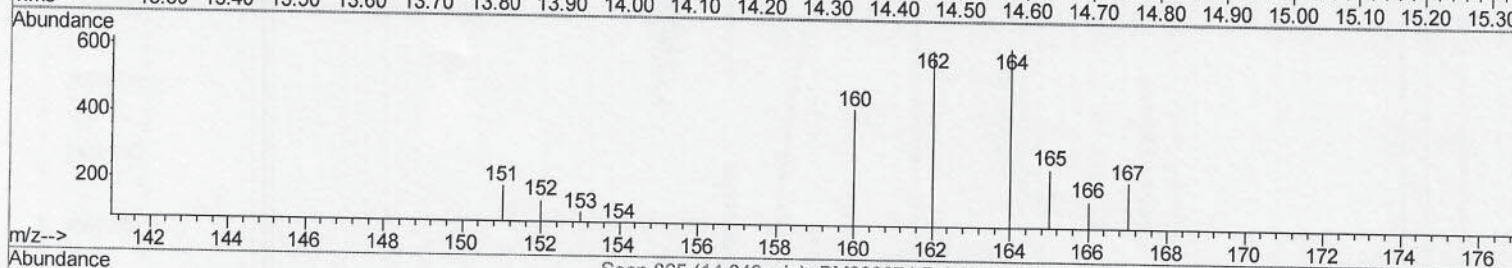
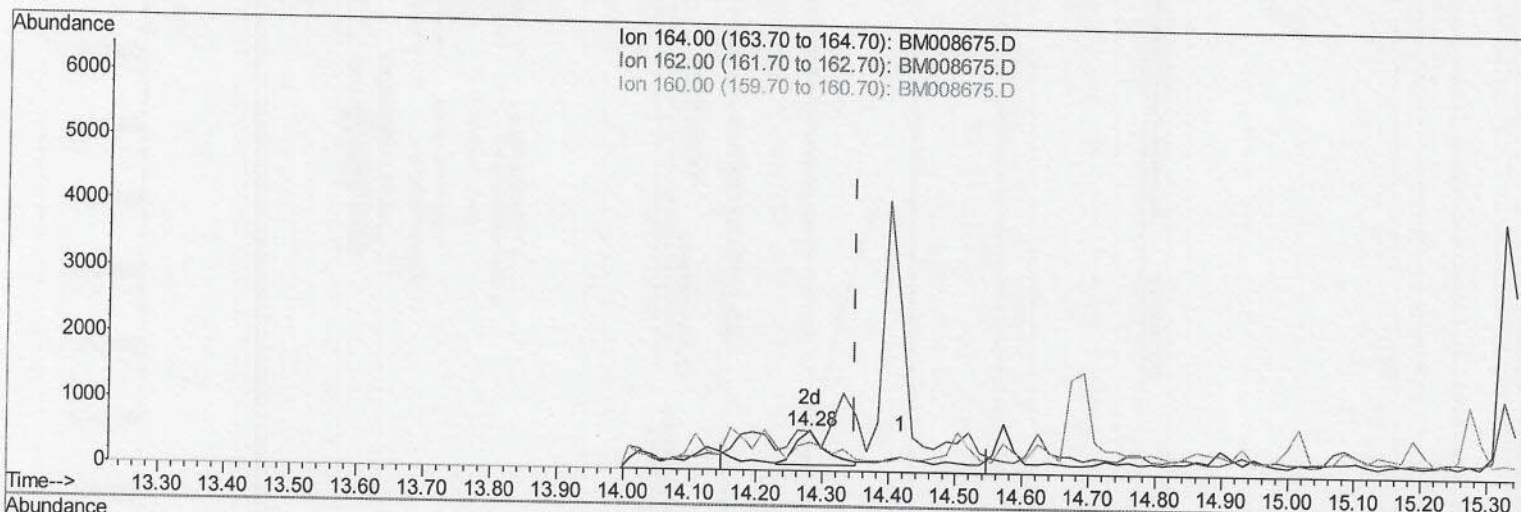
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:54:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



TIC: BM008675.D

(6) Acenaphthene-d10 (I)

14.280min (-0.068) 0.40ng/ul m

>  $\frac{S.J}{12/30/16}$

response 1604

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 164.00 | 100   | 100    |
| 162.00 | 98.60 | 98.86  |
| 160.00 | 48.80 | 69.59# |
| 0.00   | 0.00  | 0.00   |

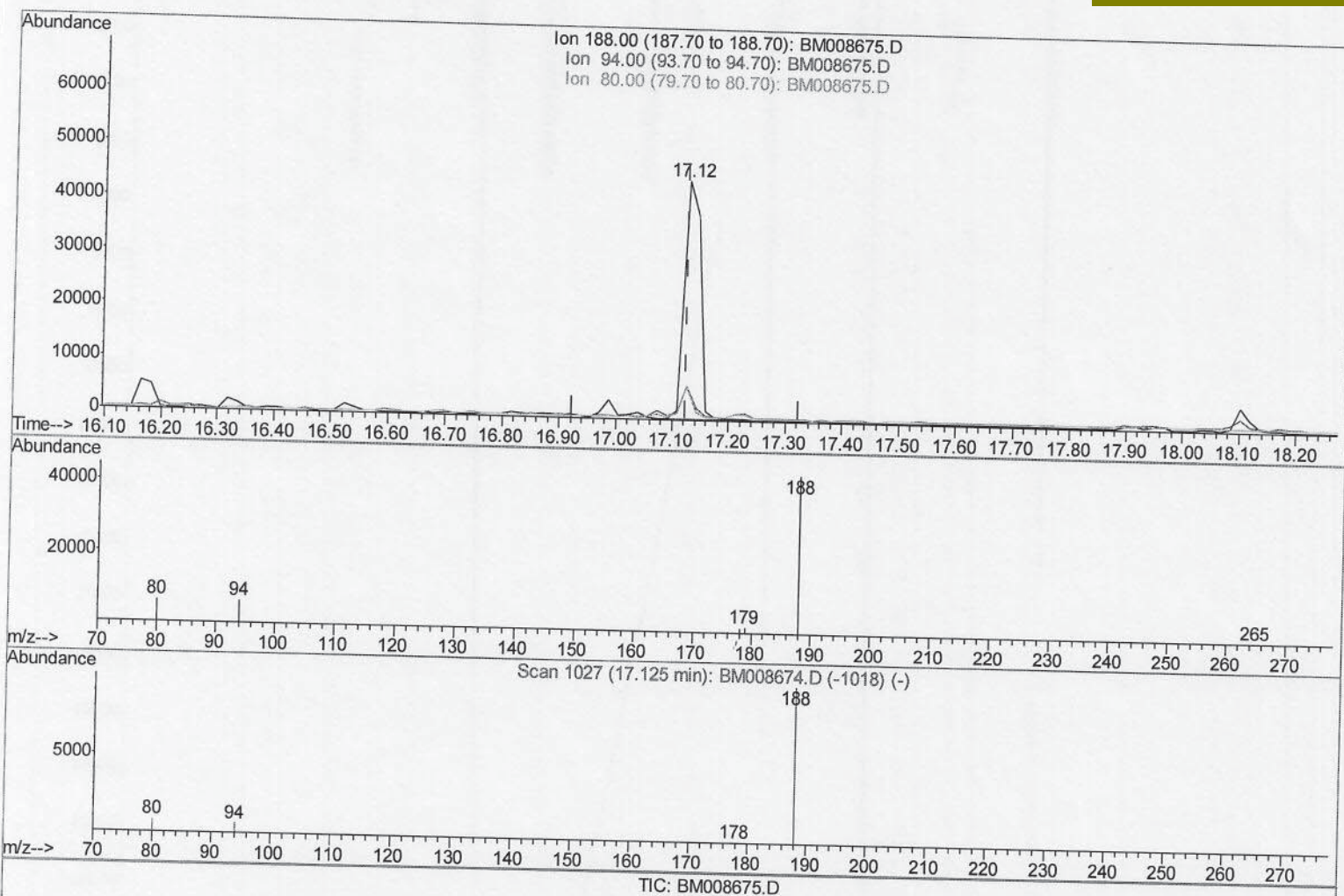
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
Data File : BM008675.D  
Acq On : 27 Dec 2016 16:02  
Operator : UM/SJ  
Sample : H5995-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA863

Quant Time: Dec 28 03:54:23 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 03:24:04 2016  
Response via : Initial Calibration

Manual Integrations  
APPROVED

umangi  
12/28/2016 6:20:58 PM



(10) Phenanthrene-d10 (I)

17.125min (+0.000) 0.40ng/ul

response 88157

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 13.96# |
| 80.00  | 11.80 | 14.04  |
| 0.00   | 0.00  | 0.00   |

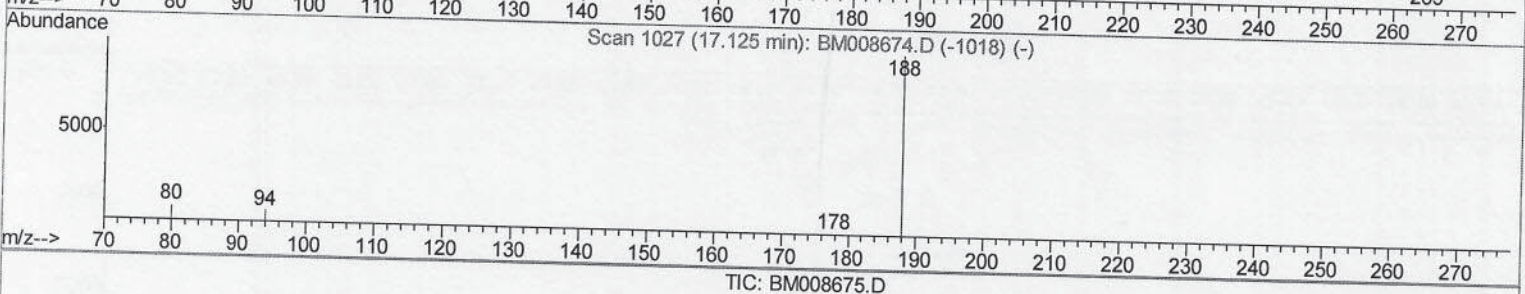
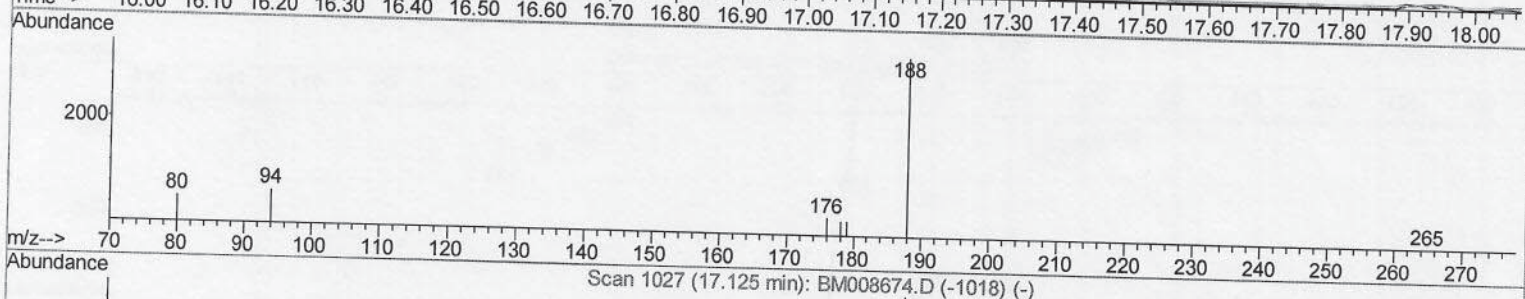
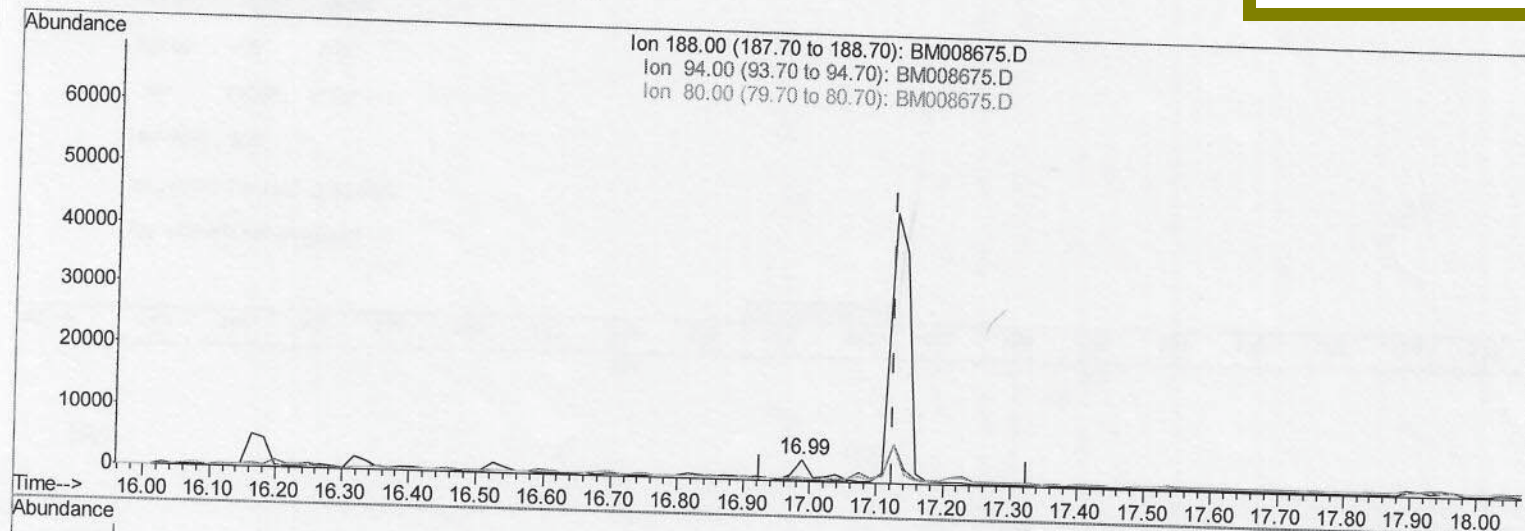
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 11:13:25 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(10) Phenanthrene-d10 (I)

16.988min (-0.137) 0.40ng/ul m

>  $\frac{S.J}{12/30/16}$

response 6324

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 20.03# |
| 80.00  | 11.80 | 15.72# |
| 0.00   | 0.00  | 0.00   |

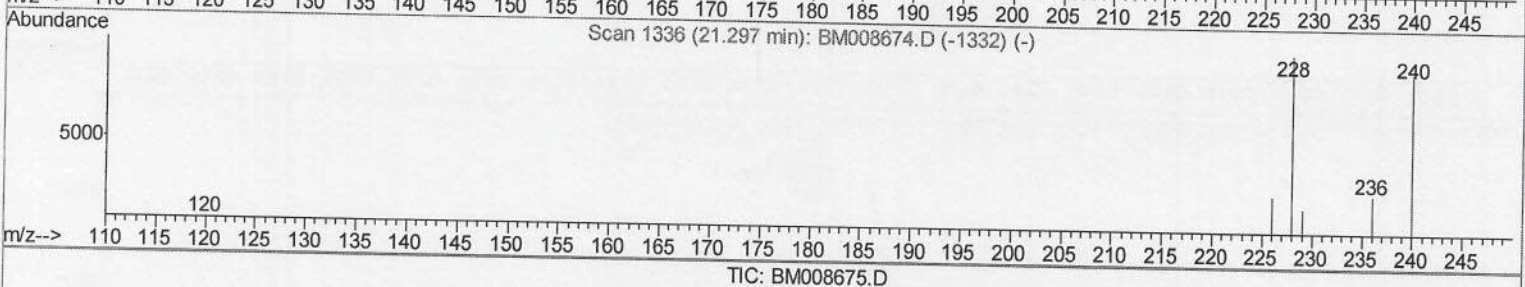
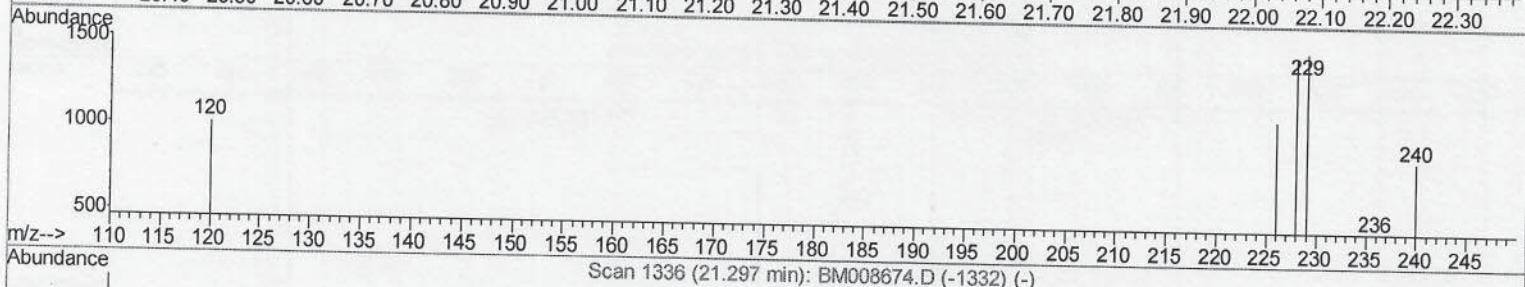
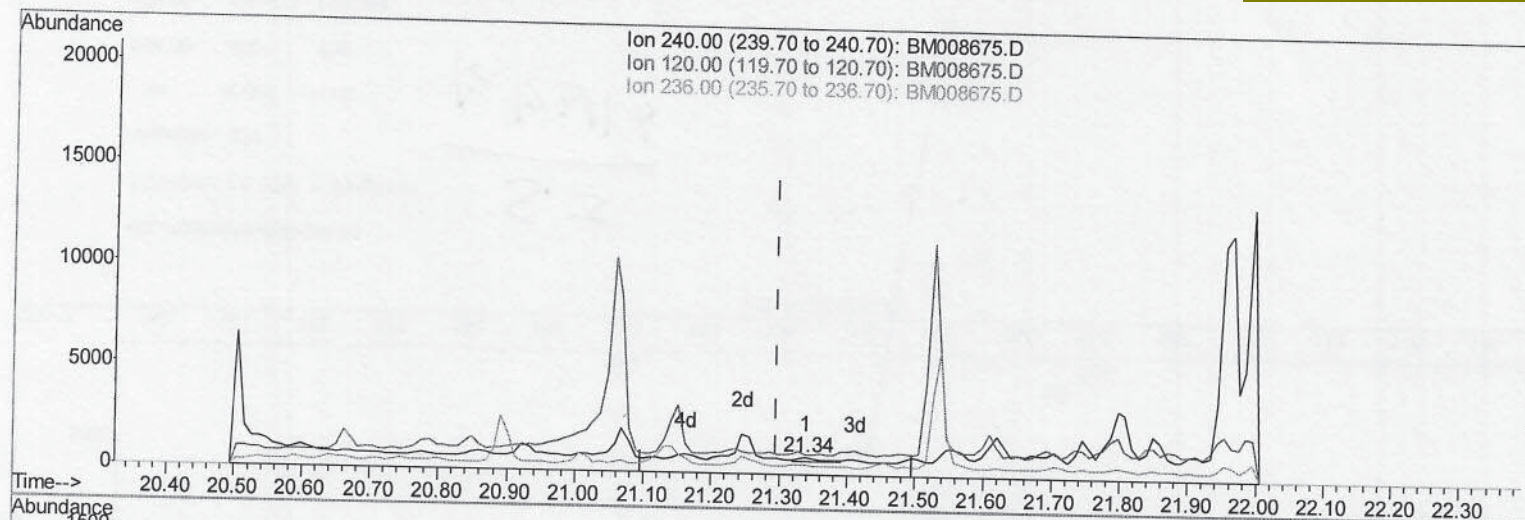
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:54:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(16) Chrysene-d12 (I)

21.339min (+0.042) 0.40ng/ul

response 385

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 20.60 | 116.00# |
| 236.00 | 34.90 | 53.28#  |
| 0.00   | 0.00  | 0.00    |

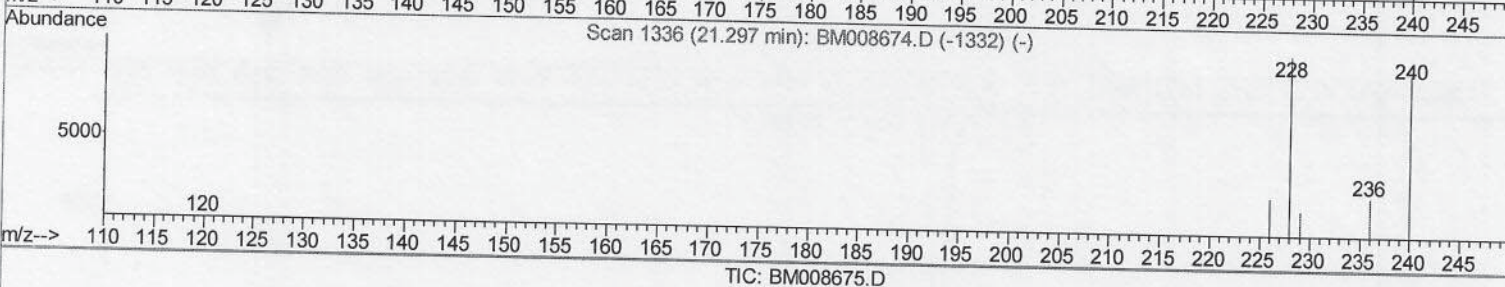
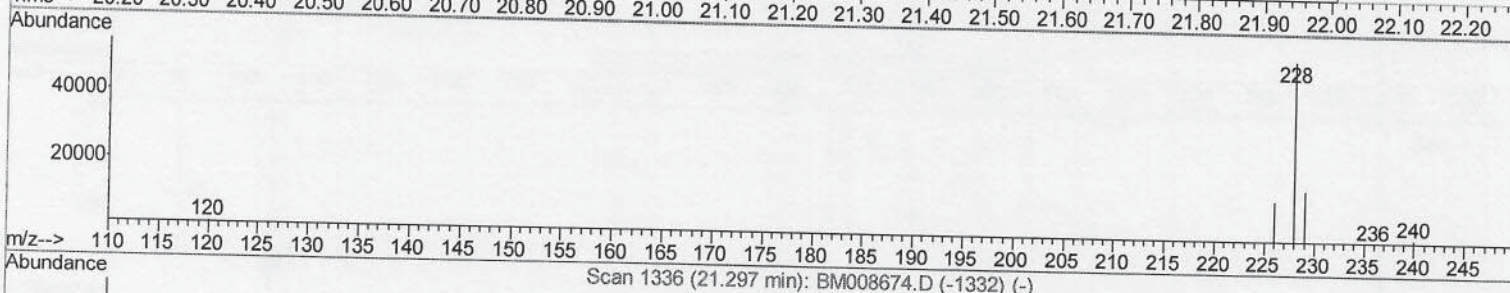
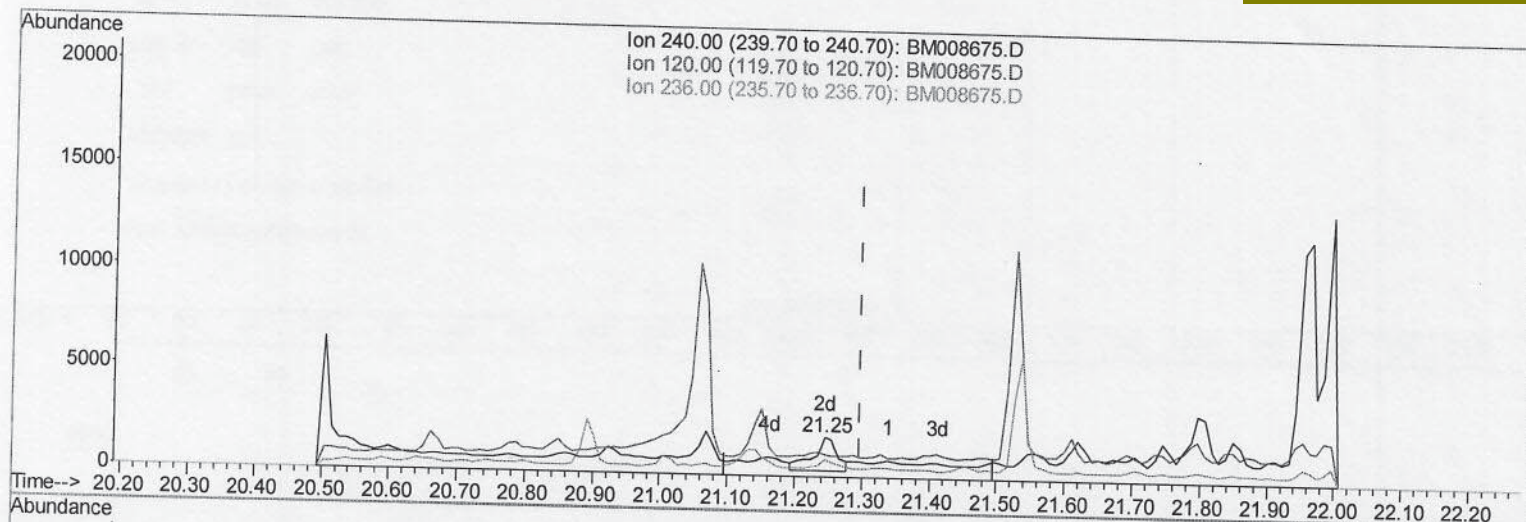
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:54:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(16) Chrysene-d12 (I)

21.245min (-0.052) 0.40ng/ul m

response 4238

>  $\frac{S.J}{12/30/16}$

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 20.60 | 57.38# |
| 236.00 | 34.90 | 43.85# |
| 0.00   | 0.00  | 0.00   |

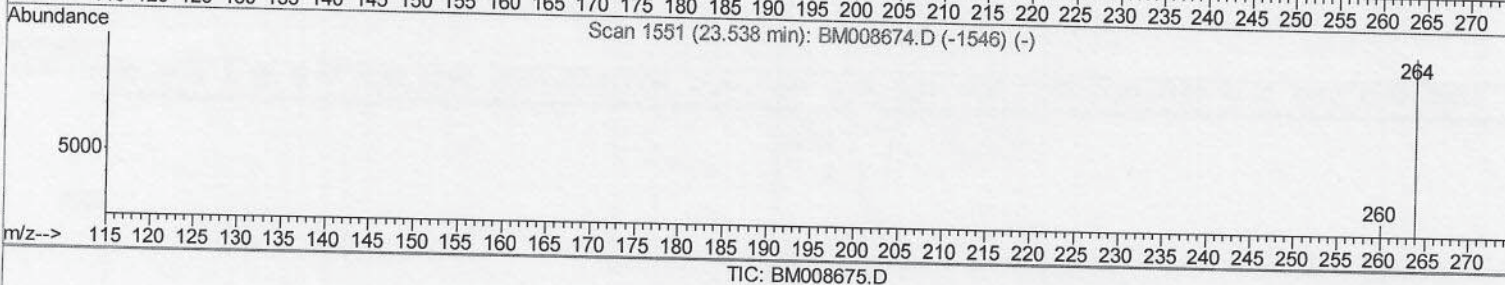
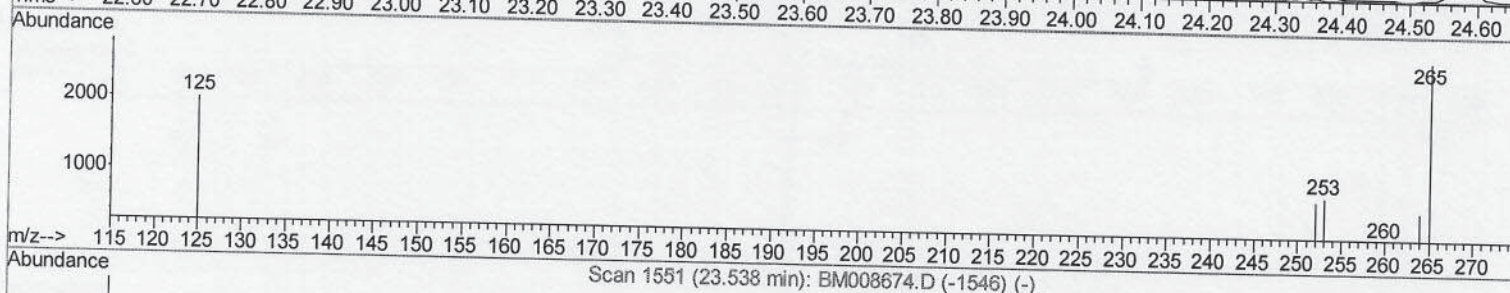
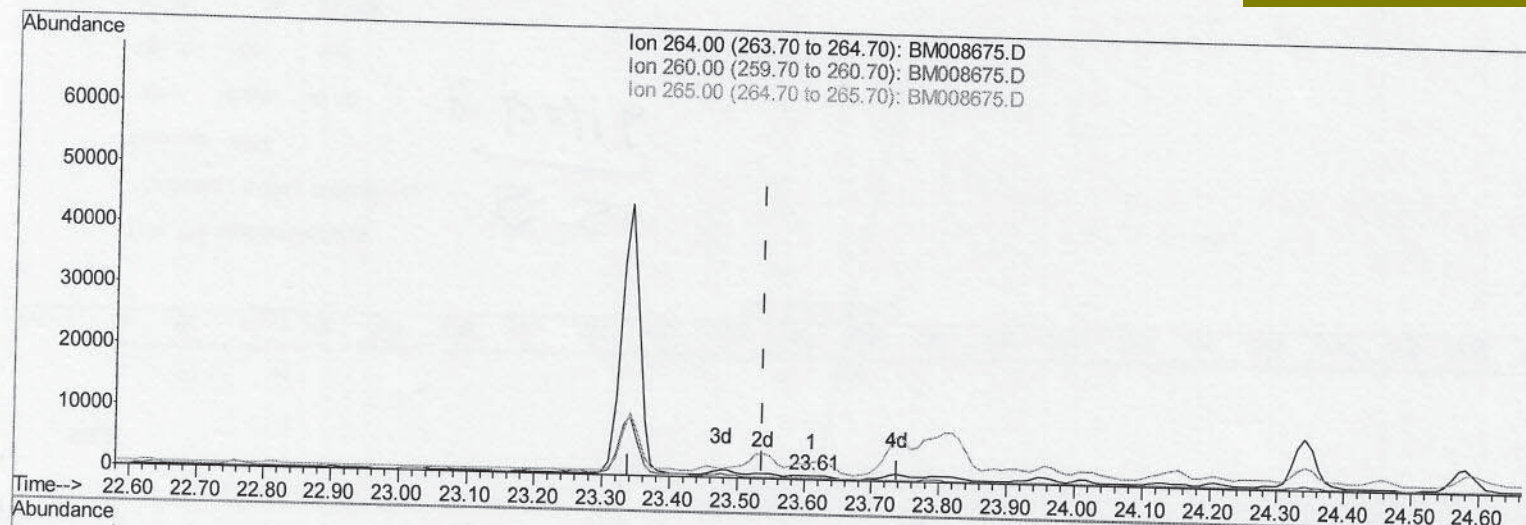
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:54:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(20) Perylene-d12 (I)

23.611min (+0.073) 0.40ng/ul

response 1148

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 264.00 | 100    | 100     |
| 260.00 | 30.10  | 38.02#  |
| 265.00 | 103.50 | 433.44# |
| 0.00   | 0.00   | 0.00    |

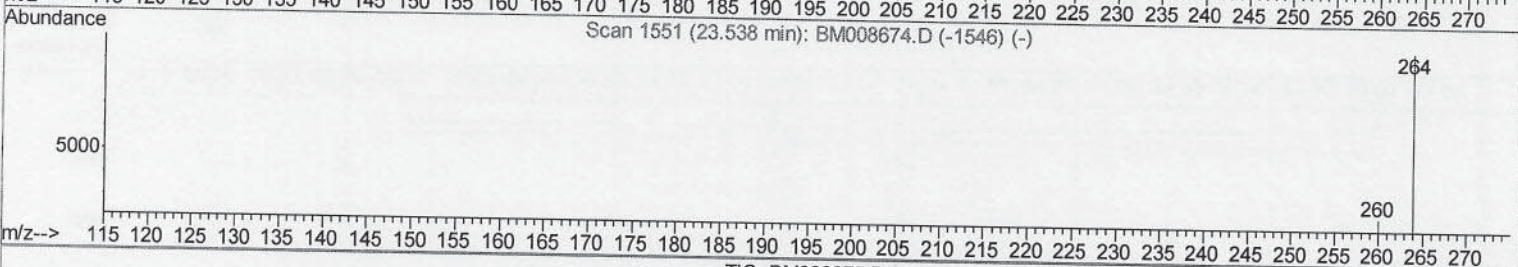
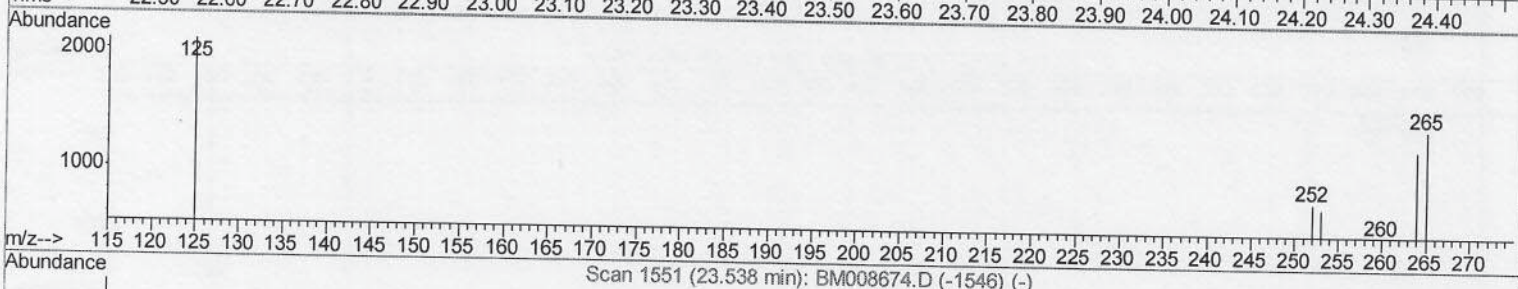
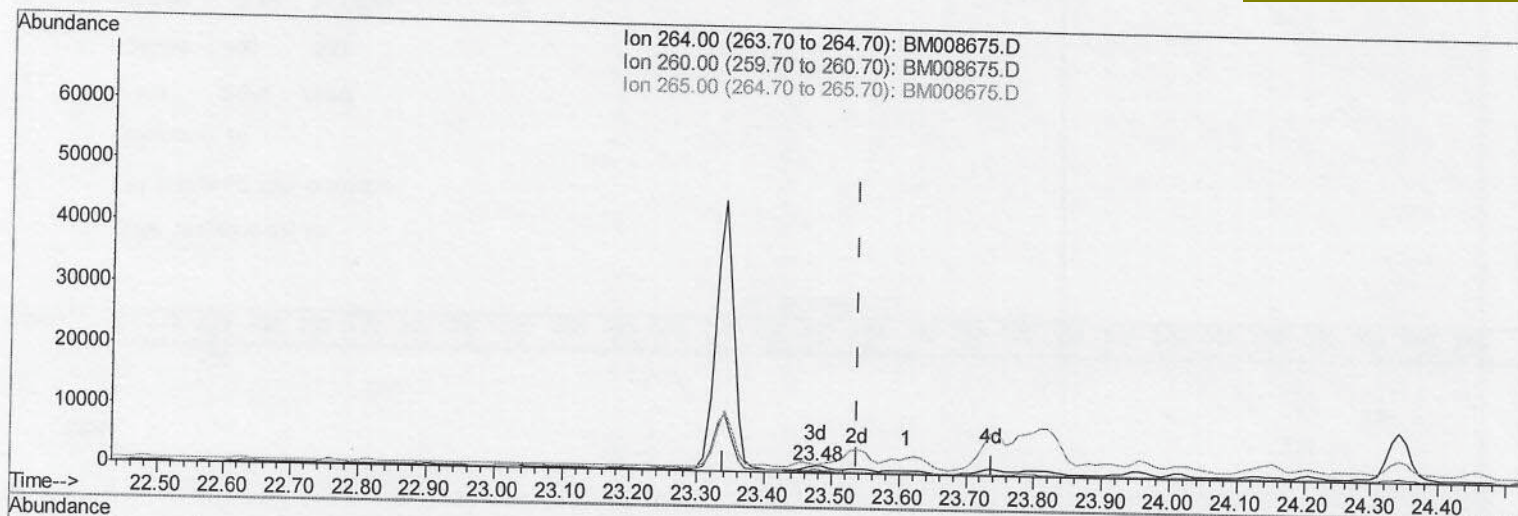
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 11:16:16 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(20) Perylene-d12 (I)

23.476min (-0.062) 0.40ng/ul m

> S.J  
 12/30/16

response 2768

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 41.19# |
| 265.00 | 103.50 | 112.69 |
| 0.00   | 0.00   | 0.00   |

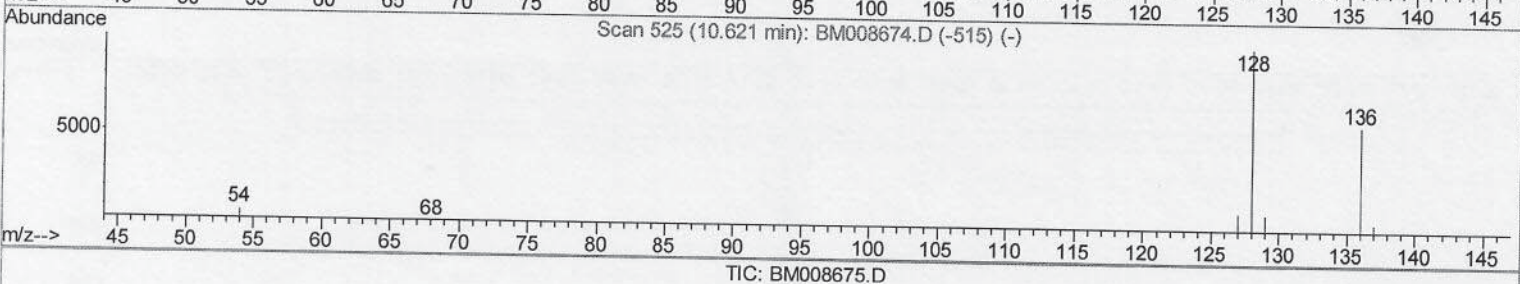
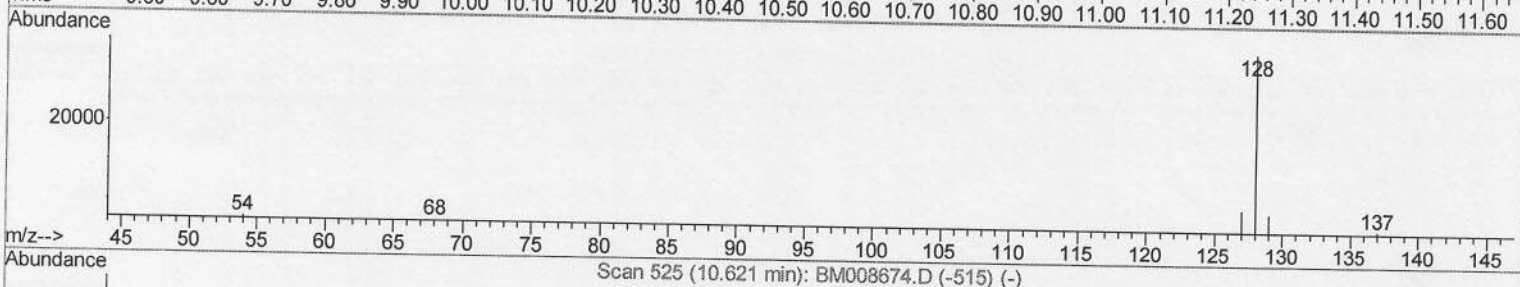
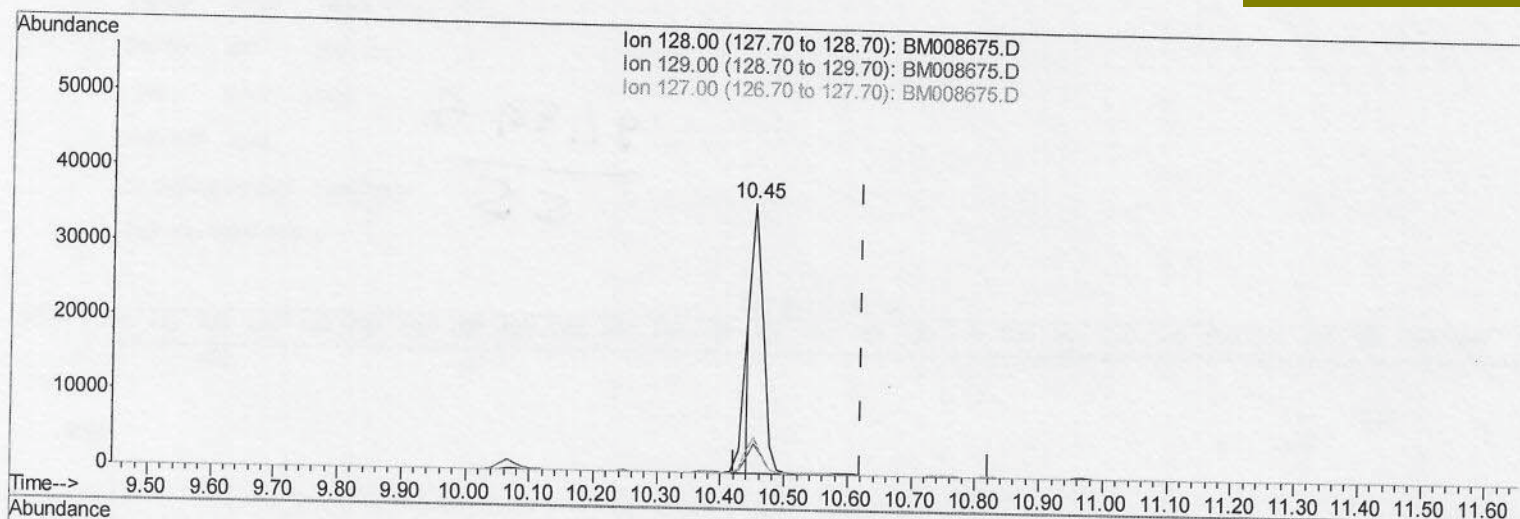
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
Data File : BM008675.D  
Acq On : 27 Dec 2016 16:02  
Operator : UM/SJ  
Sample : H5995-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA863

Manual Integrations  
APPROVED

umangi  
12/28/2016 6:20:58 PM

Quant Time: Dec 28 03:56:04 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 03:24:04 2016  
Response via : Initial Calibration



(3) Naphthalene

10.452min (-0.169) 9.64ng/ul

response 43484

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 128.00 | 100   | 100    |
| 129.00 | 14.10 | 11.02# |
| 127.00 | 16.00 | 13.16  |
| 0.00   | 0.00  | 0.00   |

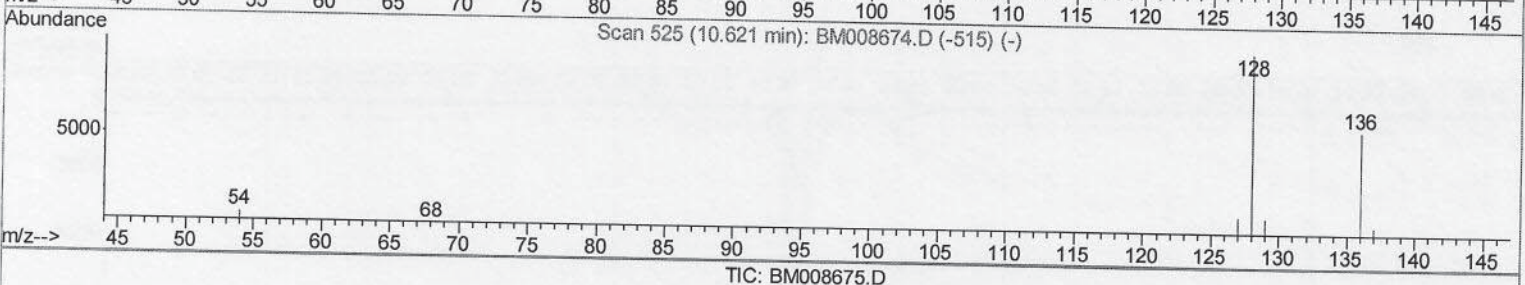
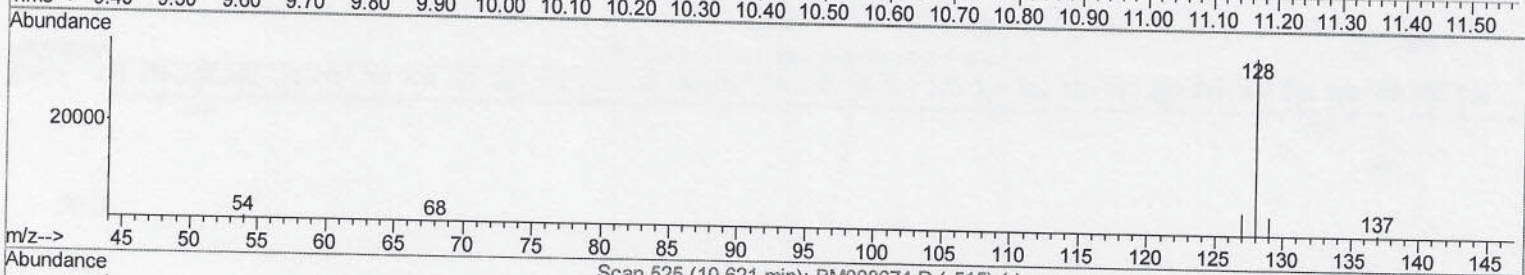
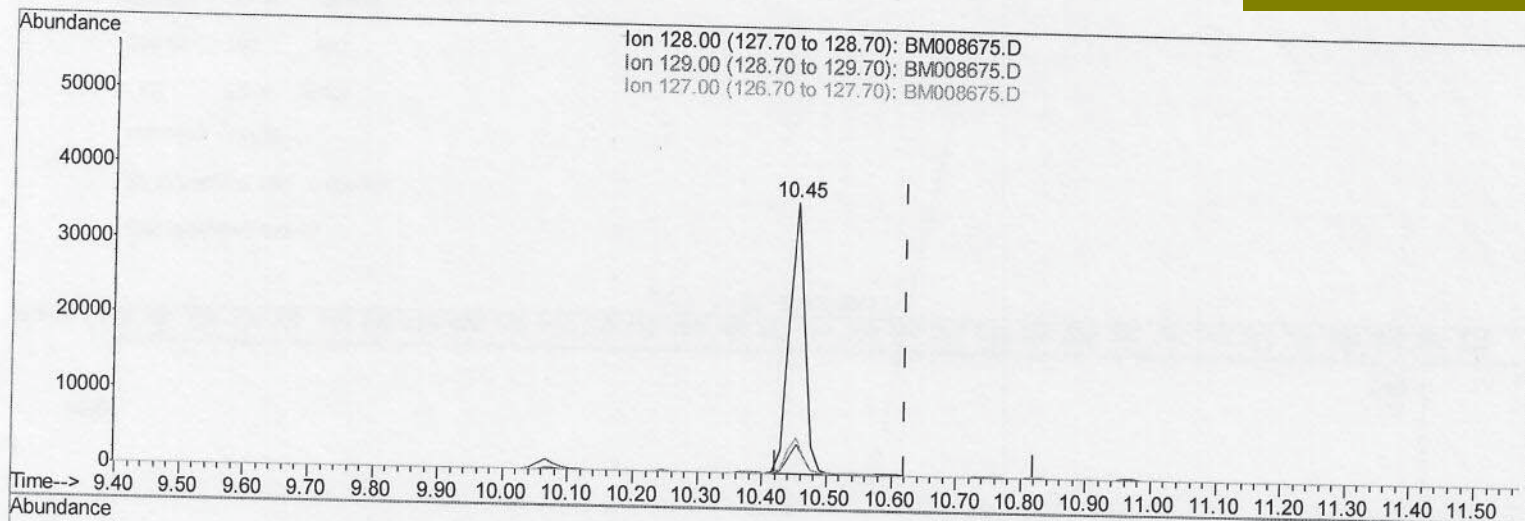
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(3) Naphthalene

10.452min (-0.169) 13.47ng/ul m

7  $\frac{S.J}{12/30/16}$

response 60781

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 128.00 | 100   | 100    |
| 129.00 | 14.10 | 11.02# |
| 127.00 | 16.00 | 13.16  |
| 0.00   | 0.00  | 0.00   |

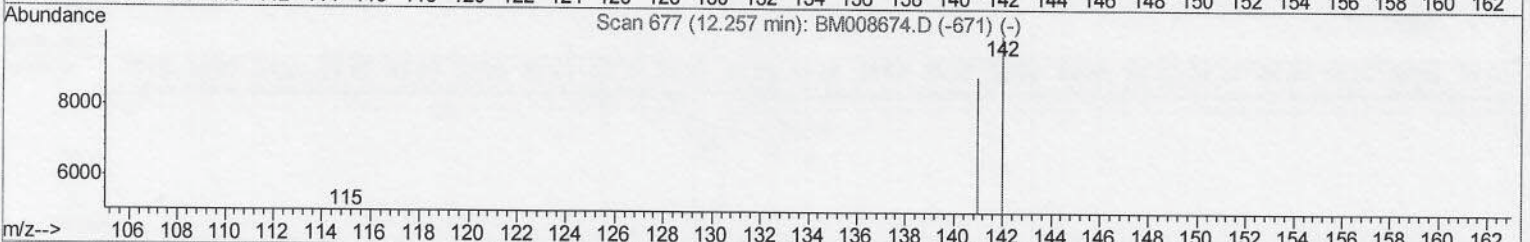
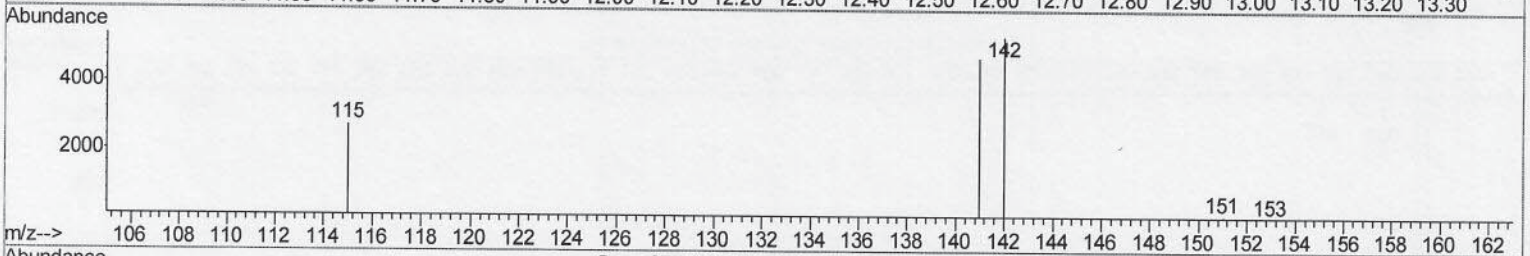
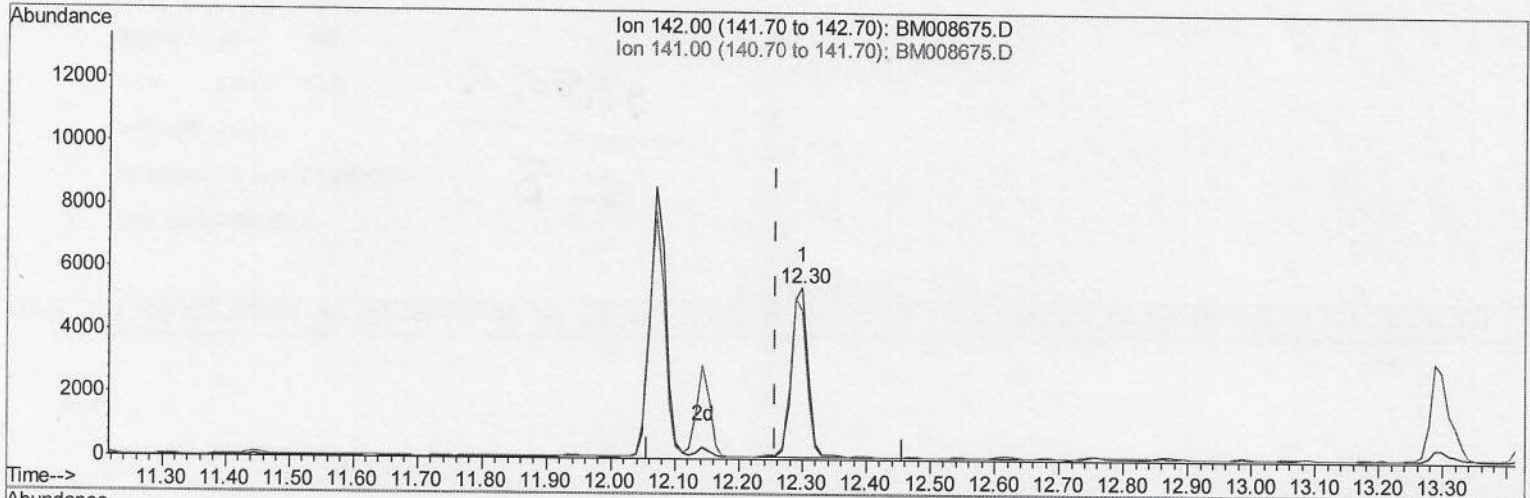
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



TIC: BM008675.D

(5) 2-Methylnaphthalene

12.299min (+0.042) 3.23ng/ul

response 9802

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 142.00 | 100   | 100   |
| 141.00 | 90.70 | 92.15 |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

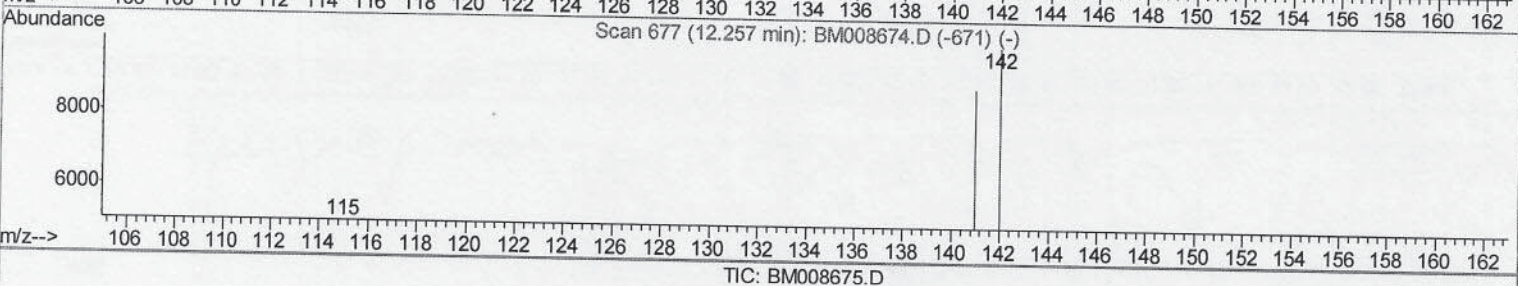
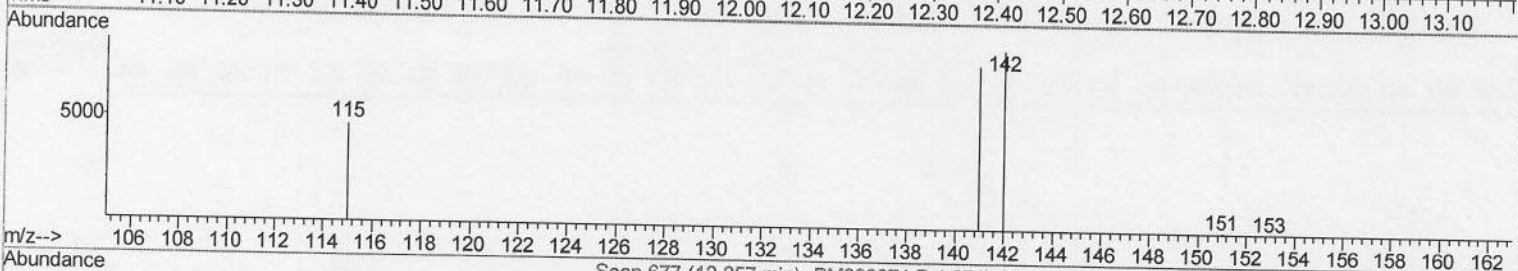
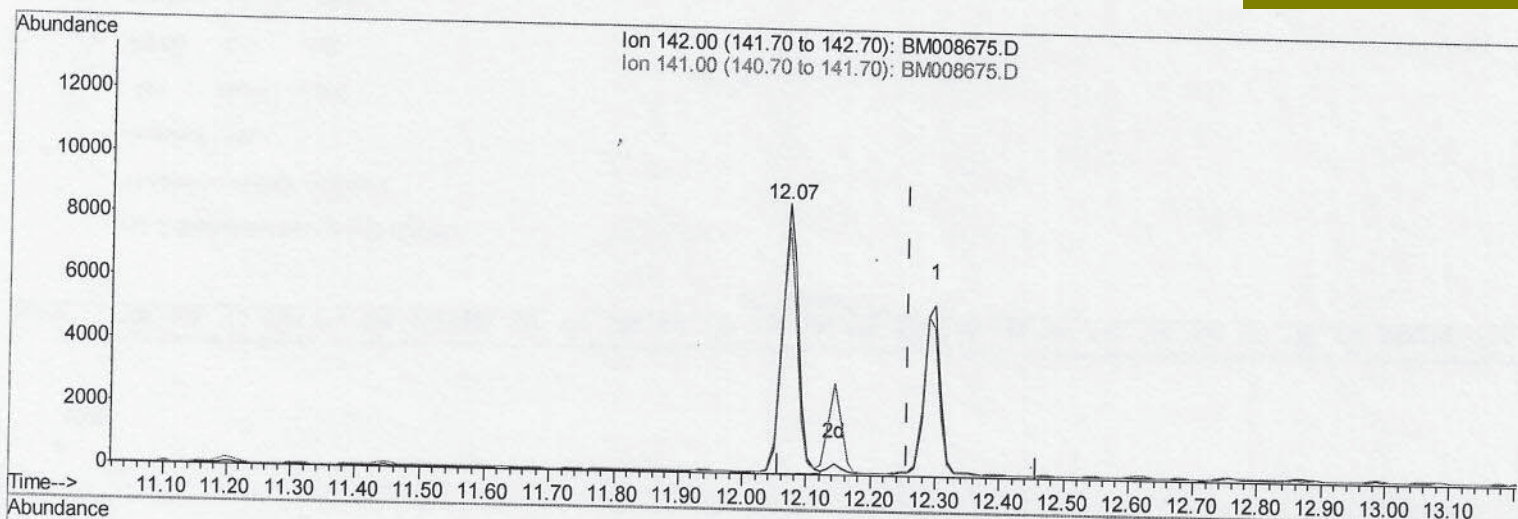
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration



(5) 2-Methylnaphthalene

12.070min (-0.187) 4.84ng/ul m

S.J  
 12/30/16

response 14710

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 142.00 | 100   | 100    |
| 141.00 | 90.70 | 61.41# |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

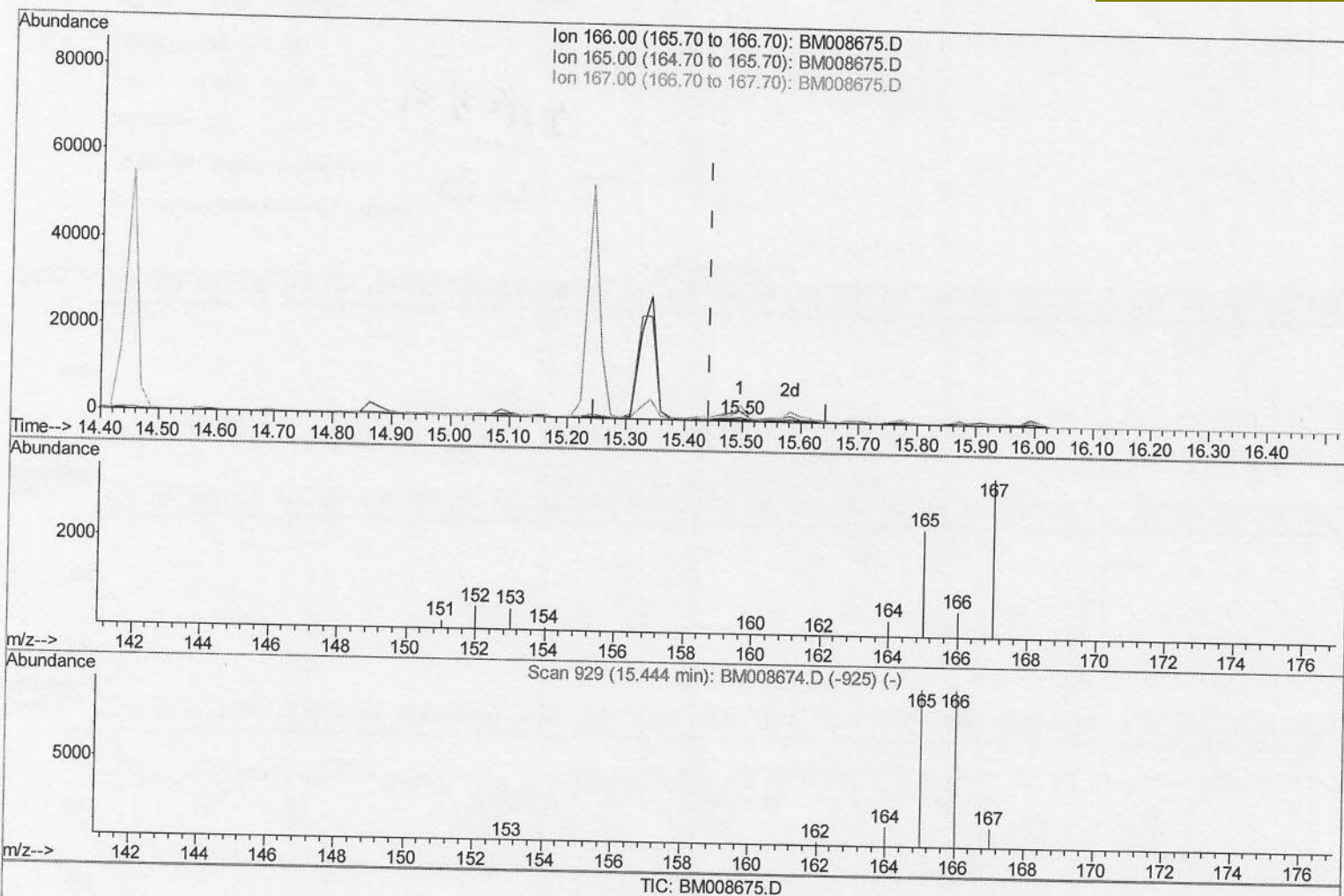
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(9) Fluorene

15.496min (+0.052) 0.27ng/ul

response 1667

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 166.00 | 100   | 100     |
| 165.00 | 91.80 | 321.83# |
| 167.00 | 18.30 | 466.98# |
| 0.00   | 0.00  | 0.00    |

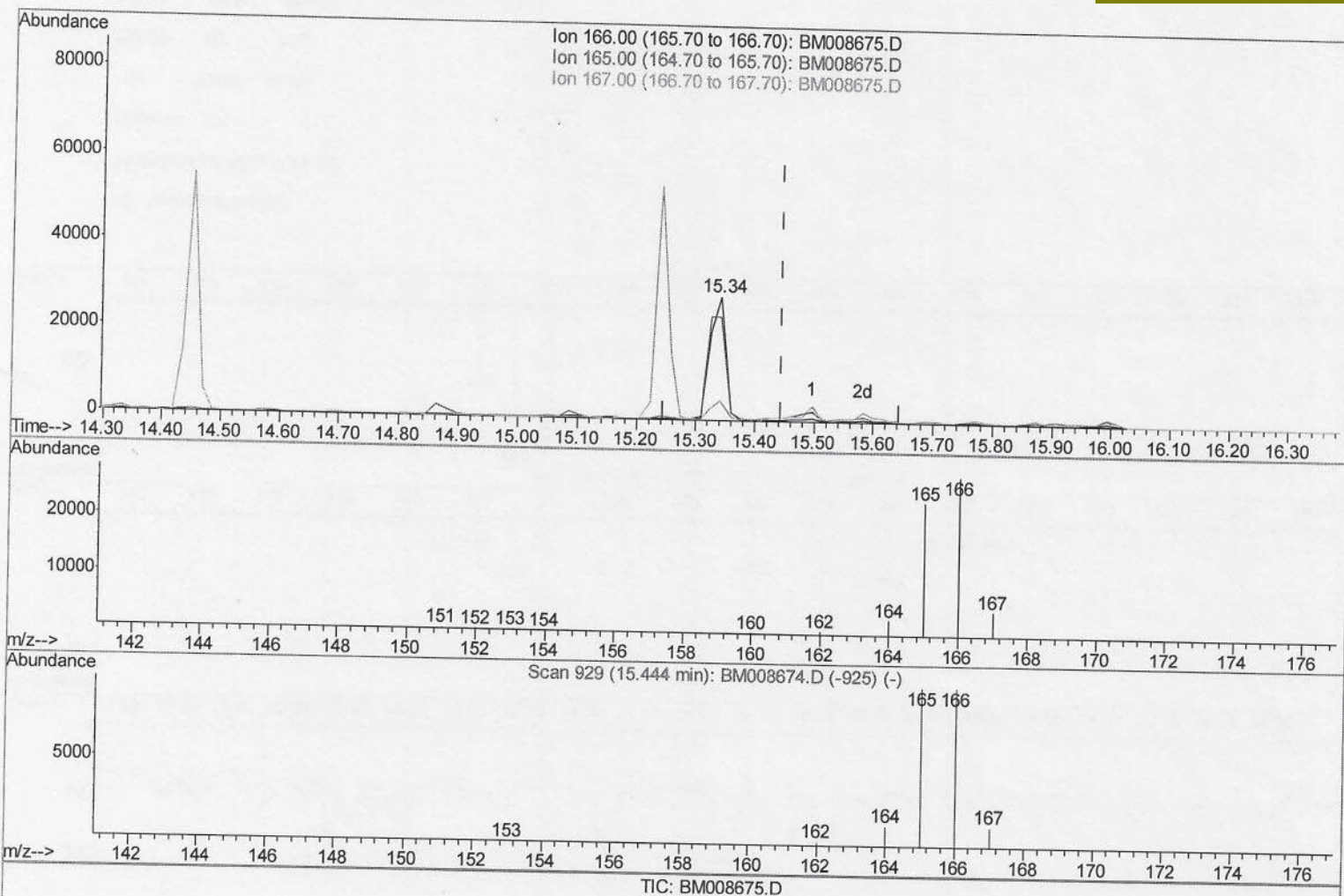
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(9) Fluorene

15.342min (-0.103) 8.51ng/ul m >  $\frac{3.5}{12/30/16}$   
 response 52979

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 166.00 | 100   | 100   |
| 165.00 | 91.80 | 83.61 |
| 167.00 | 18.30 | 15.78 |
| 0.00   | 0.00  | 0.00  |

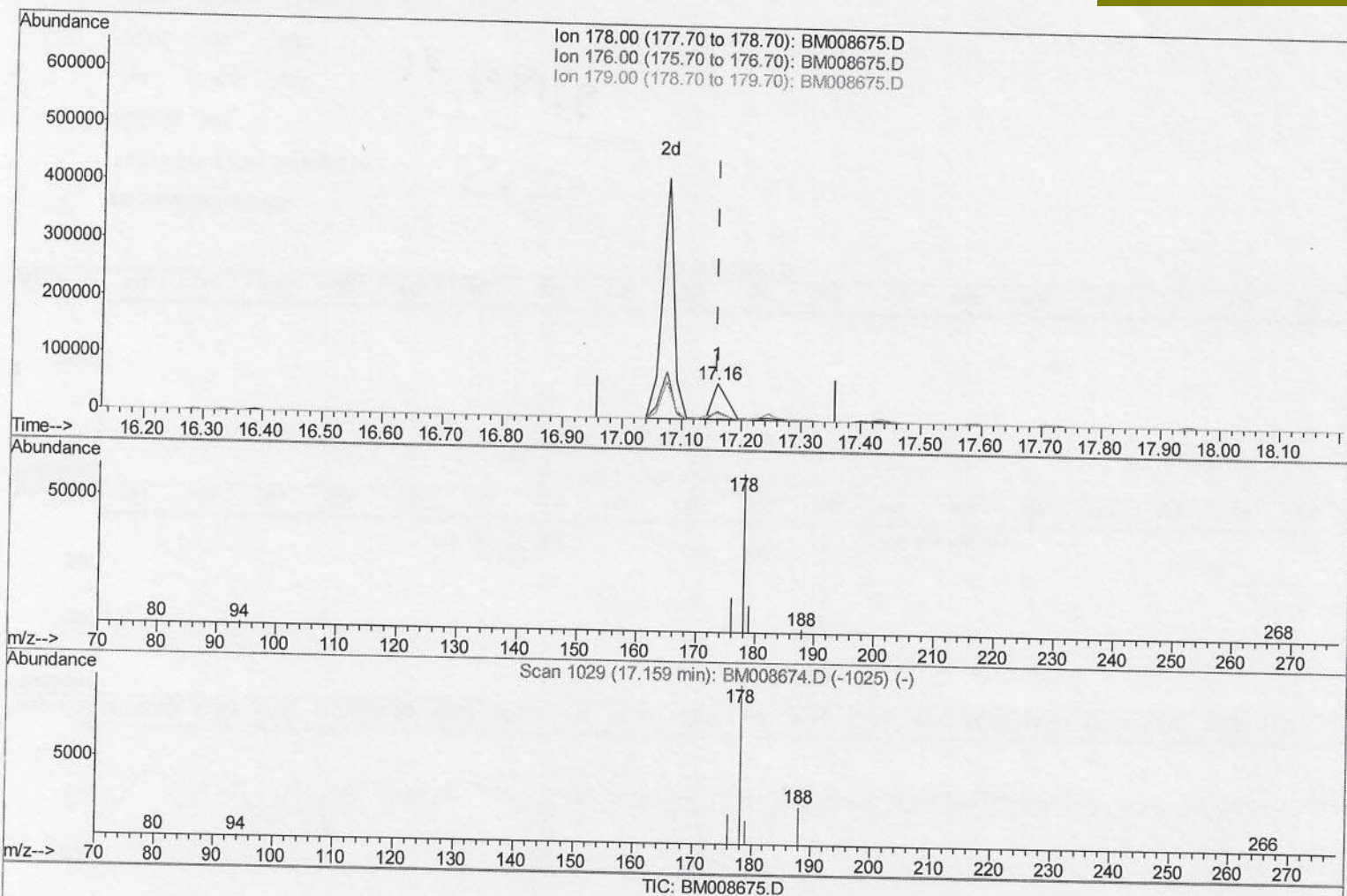
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(12) Phenanthrene

17.159min (+0.000) 16.99ng/ul

response 103605

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 176.00 | 23.00 | 21.73 |
| 179.00 | 17.00 | 17.41 |
| 0.00   | 0.00  | 0.00  |

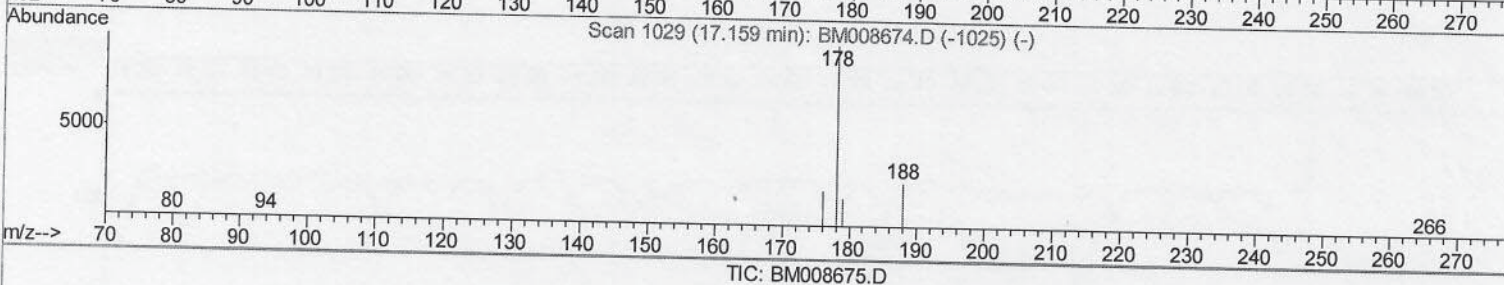
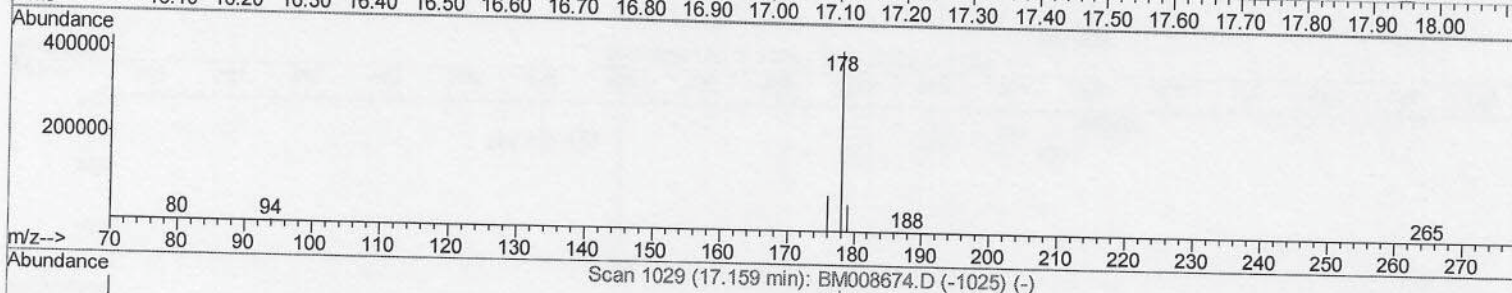
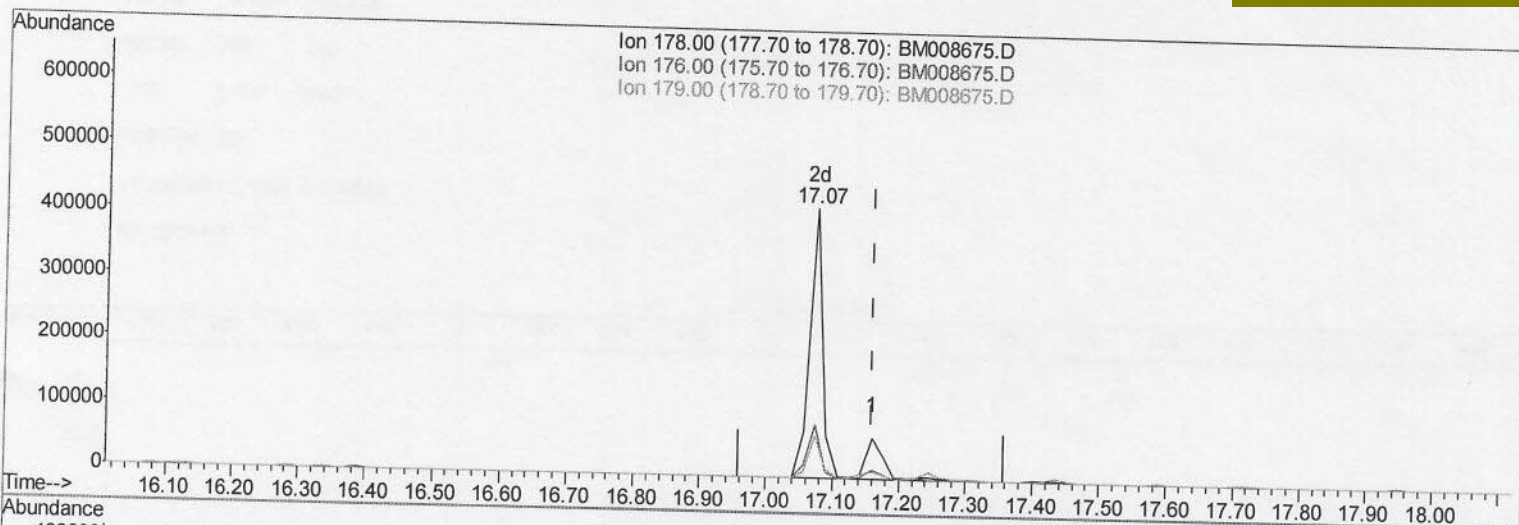
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(12) Phenanthrene

17.073min (-0.086) 94.37ng/ul m  $\rightarrow$   $\frac{S-J}{12/30/16}$   
 response 575497

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 176.00 | 23.00 | 19.78 |
| 179.00 | 17.00 | 15.24 |
| 0.00   | 0.00  | 0.00  |

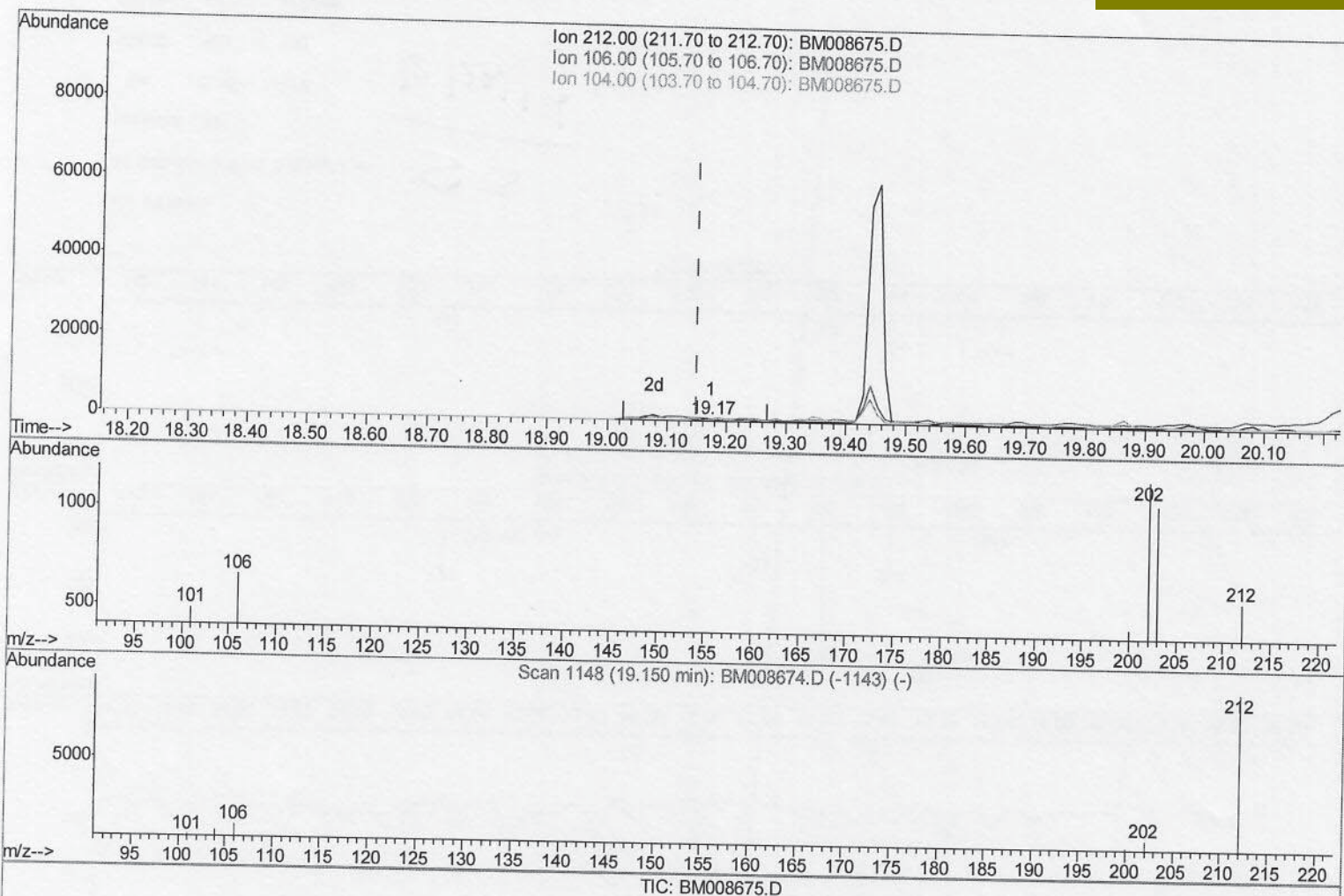
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(14) Fluoranthene-d10 (SURR)

19.174min (+0.024) 0.10ng/ul

response 532

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 18.30 | 0.00# |
| 104.00 | 15.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

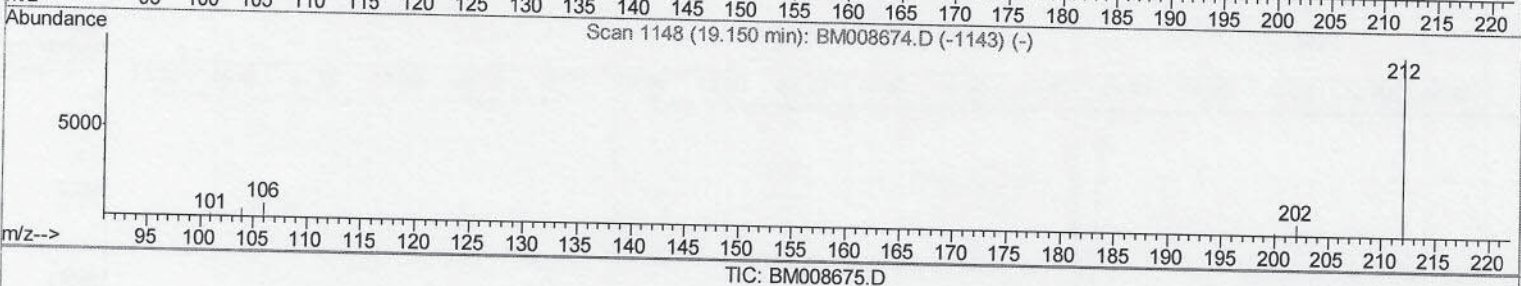
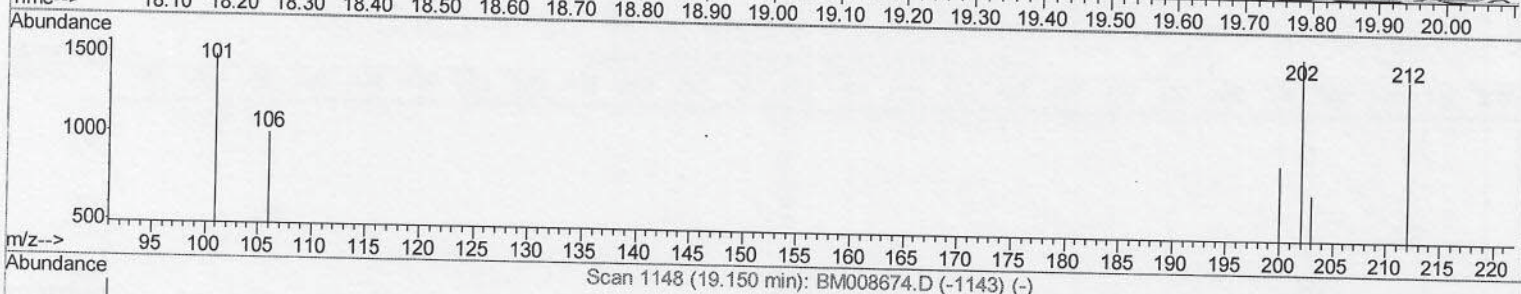
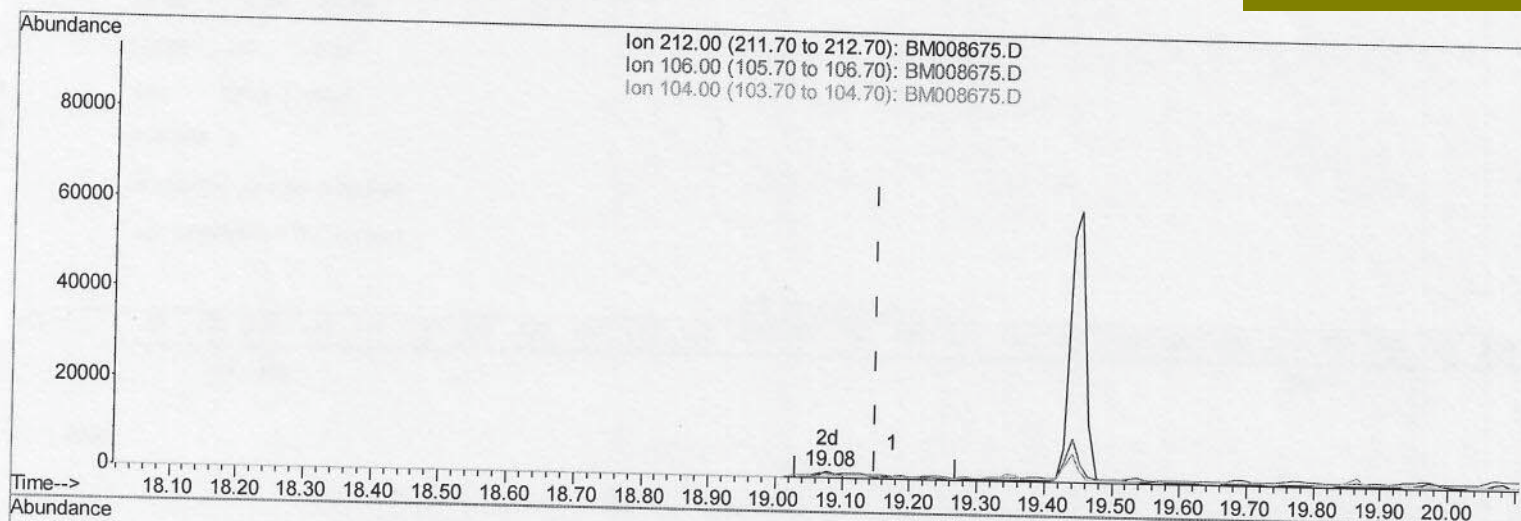
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 11:13:25 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(14) Fluoranthene-d10 (SURR)

19.077min (-0.072) 0.23ng/ul m

> S.J  
12/30/16

response 4059

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 18.30 | 0.00# |
| 104.00 | 15.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

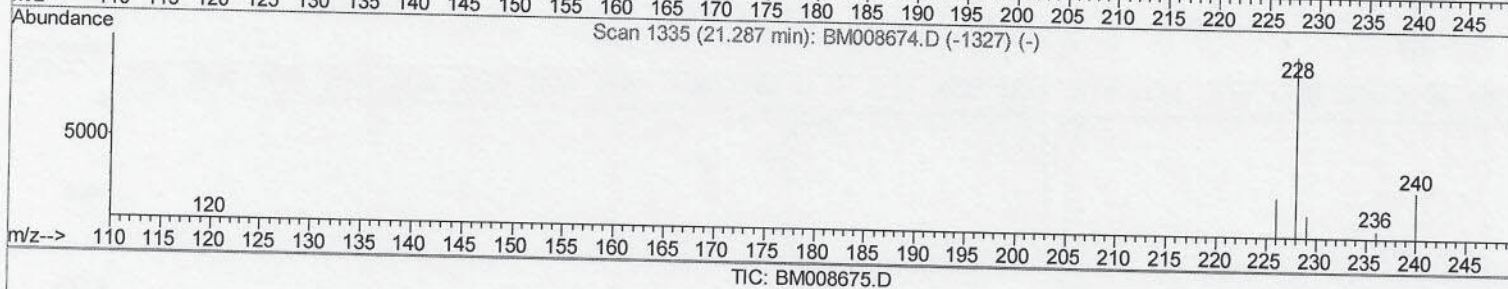
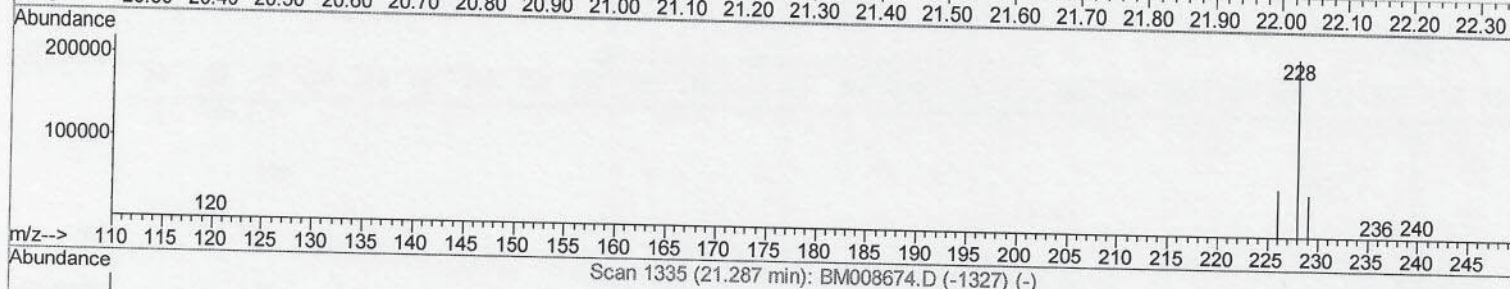
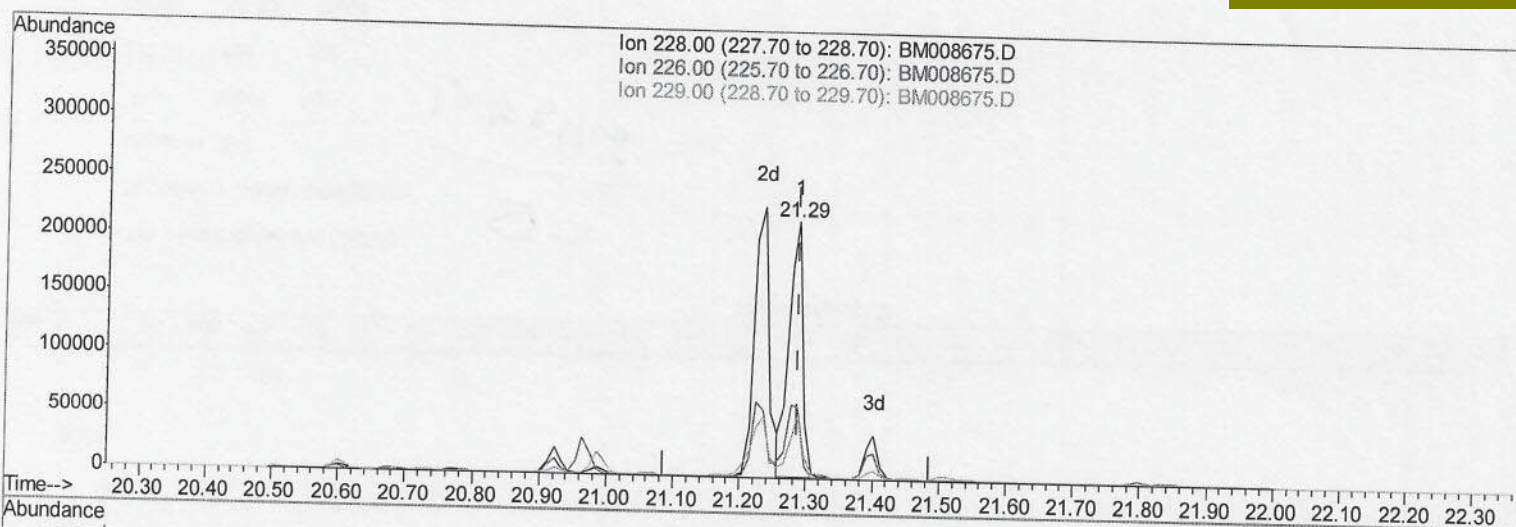
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
Data File : BM008675.D  
Acq On : 27 Dec 2016 16:02  
Operator : UM/SJ  
Sample : H5995-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA863

Quant Time: Dec 28 03:56:04 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 03:24:04 2016  
Response via : Initial Calibration

Manual Integrations  
APPROVED

umangi  
12/28/2016 6:20:58 PM



(18) Benzo(a)anthracene

21.287min (+0.000) 22.58ng/ul

response 314281

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 28.50 | 27.13 |
| 229.00 | 21.30 | 23.85 |
| 0.00   | 0.00  | 0.00  |

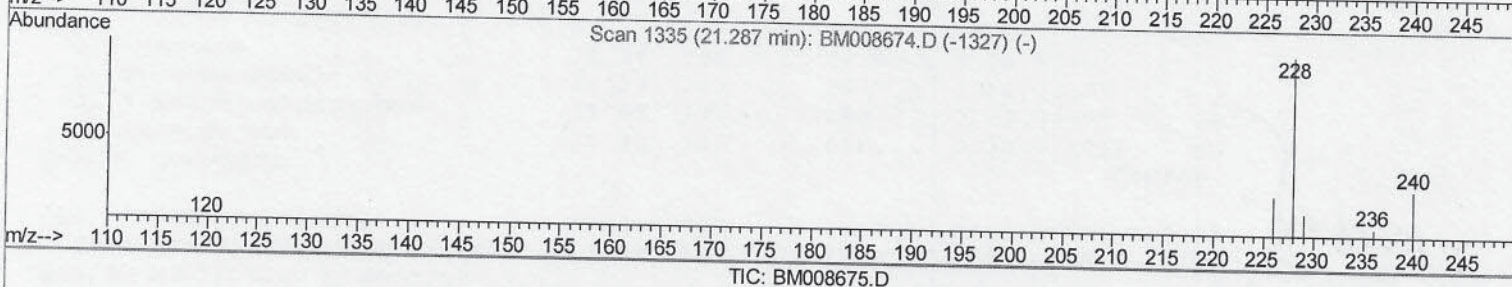
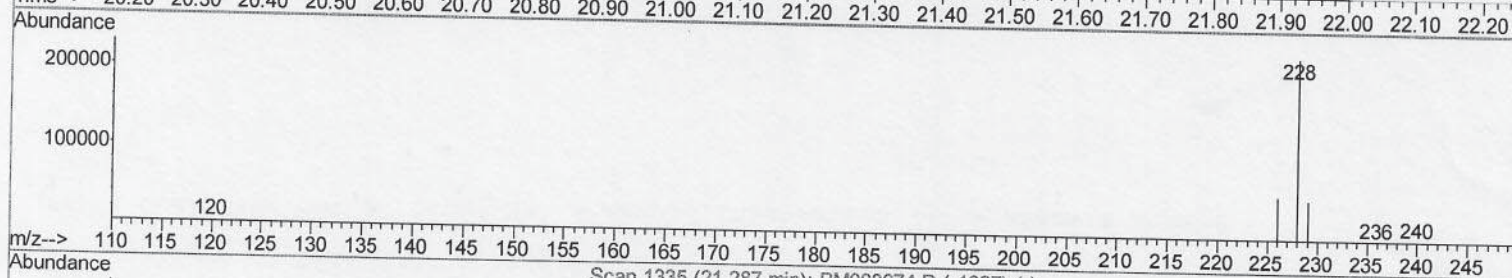
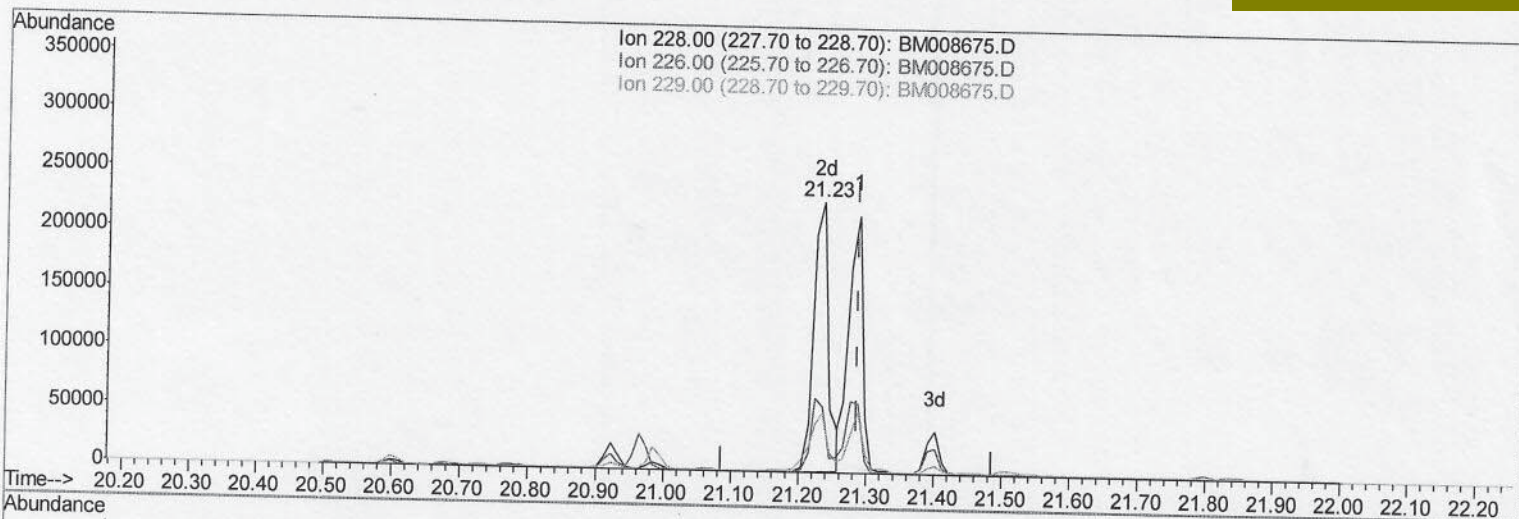
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



TIC: BM008675.D

(18) Benzo(a)anthracene

21.235min (-0.052) 25.54ng/ul m >  $\frac{S.J}{12/30/16}$

response 355429

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 28.50 | 24.39 |
| 229.00 | 21.30 | 22.36 |
| 0.00   | 0.00  | 0.00  |

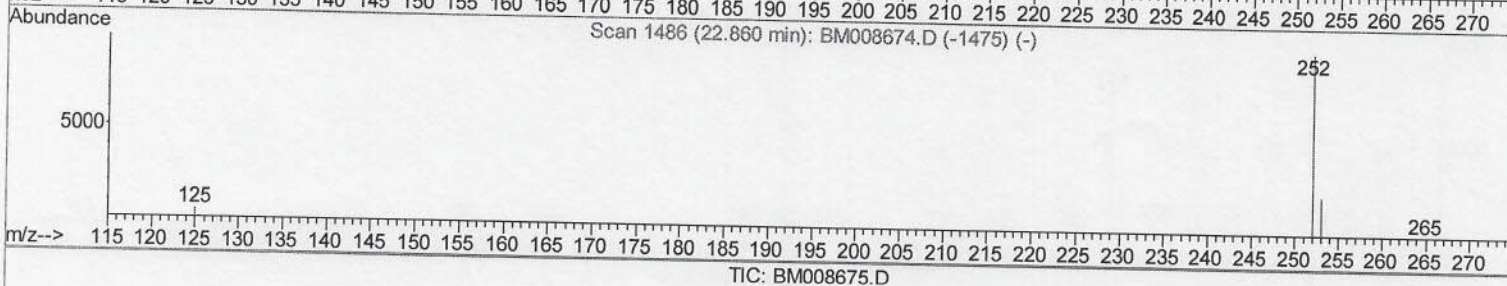
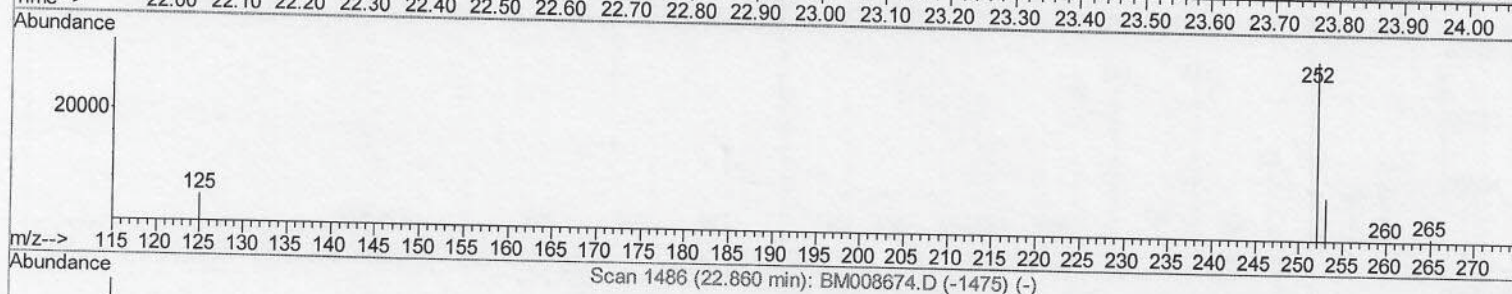
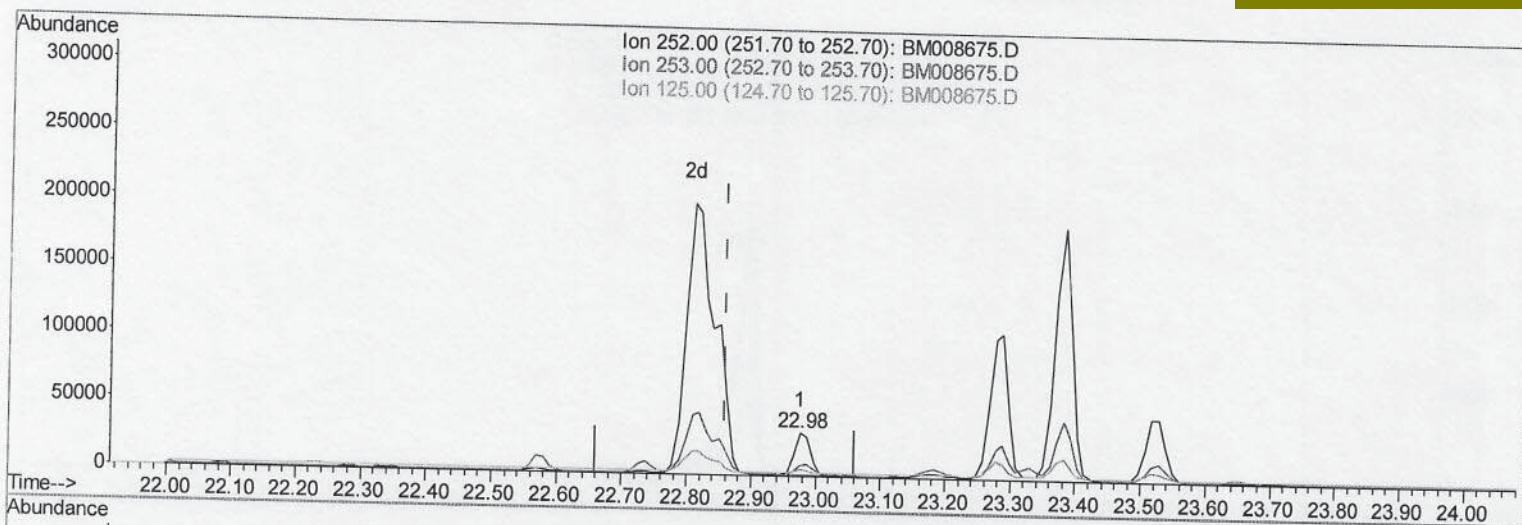
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
Data File : BM008675.D  
Acq On : 27 Dec 2016 16:02  
Operator : UM/SJ  
Sample : H5995-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA863

Quant Time: Dec 28 03:56:04 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 03:24:04 2016  
Response via : Initial Calibration

Manual Integrations  
APPROVED

umangi  
12/28/2016 6:20:58 PM



(21) Benzo(b)fluoranthene  
22.975min (+0.115) 5.96ng/ul  
response 54607

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 25.49 |
| 125.00 | 17.50 | 16.19 |
| 0.00   | 0.00  | 0.00  |

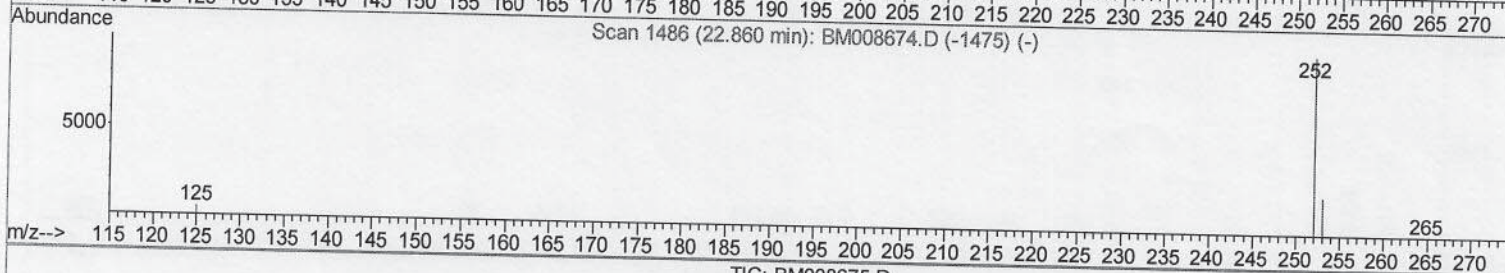
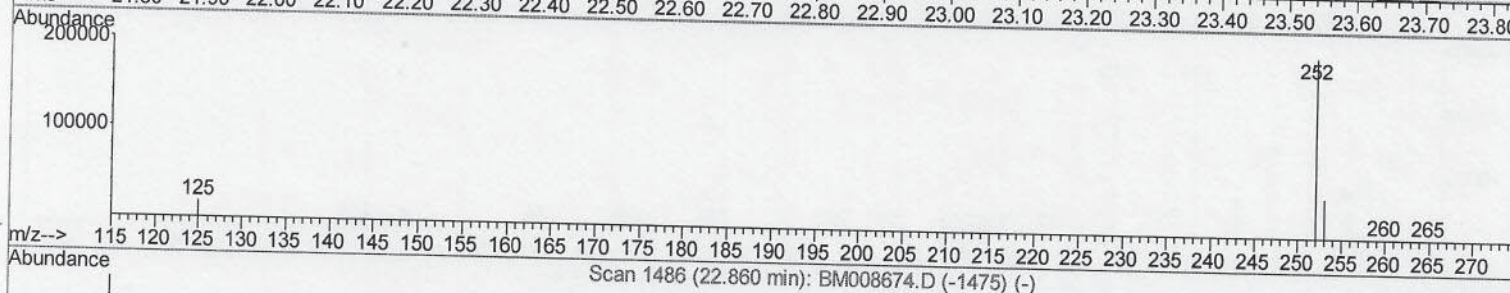
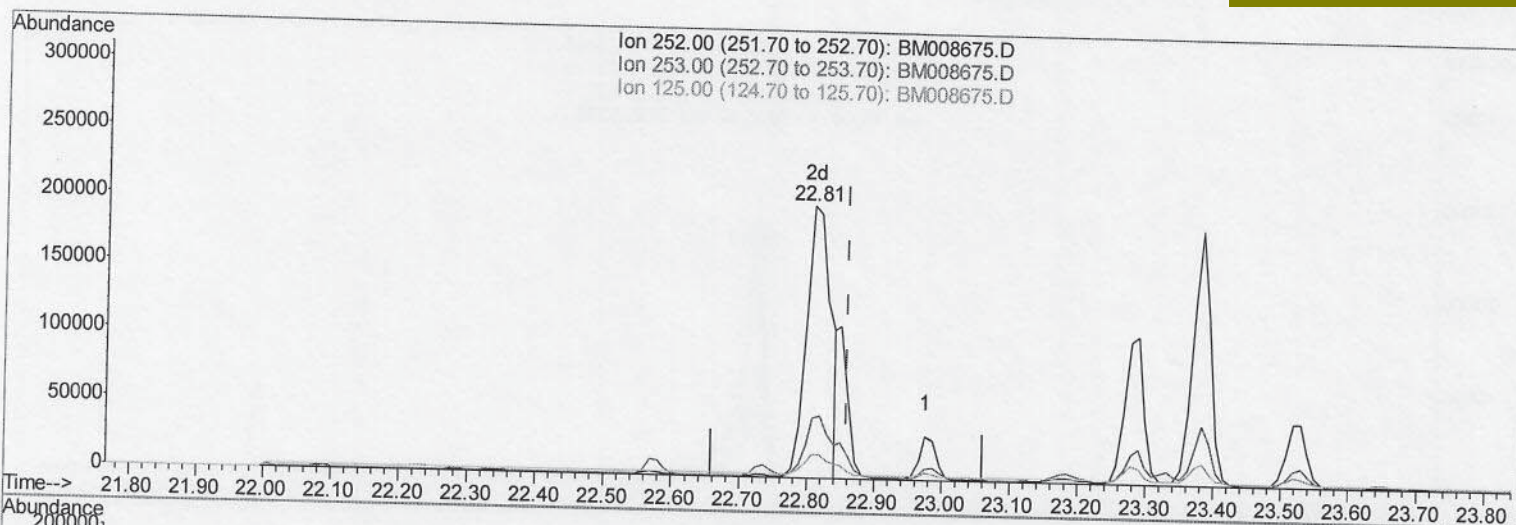
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(21) Benzo(b)fluoranthene

22.809min (-0.052) 54.29ng/ul m

response 497291

S.J  
 12/30/16

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 22.01 |
| 125.00 | 17.50 | 8.76  |
| 0.00   | 0.00  | 0.00  |

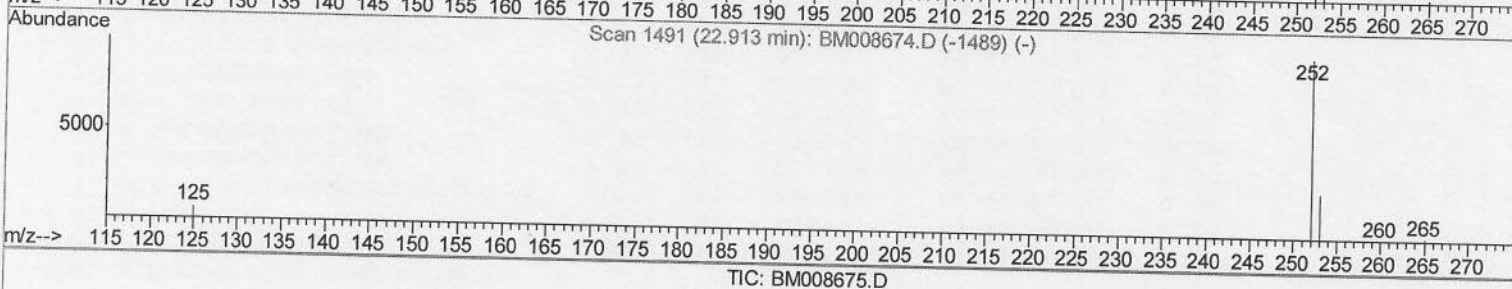
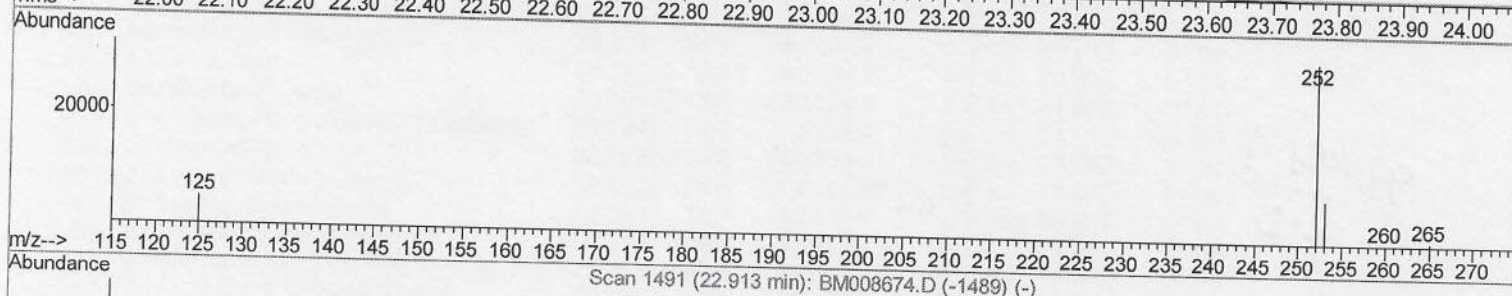
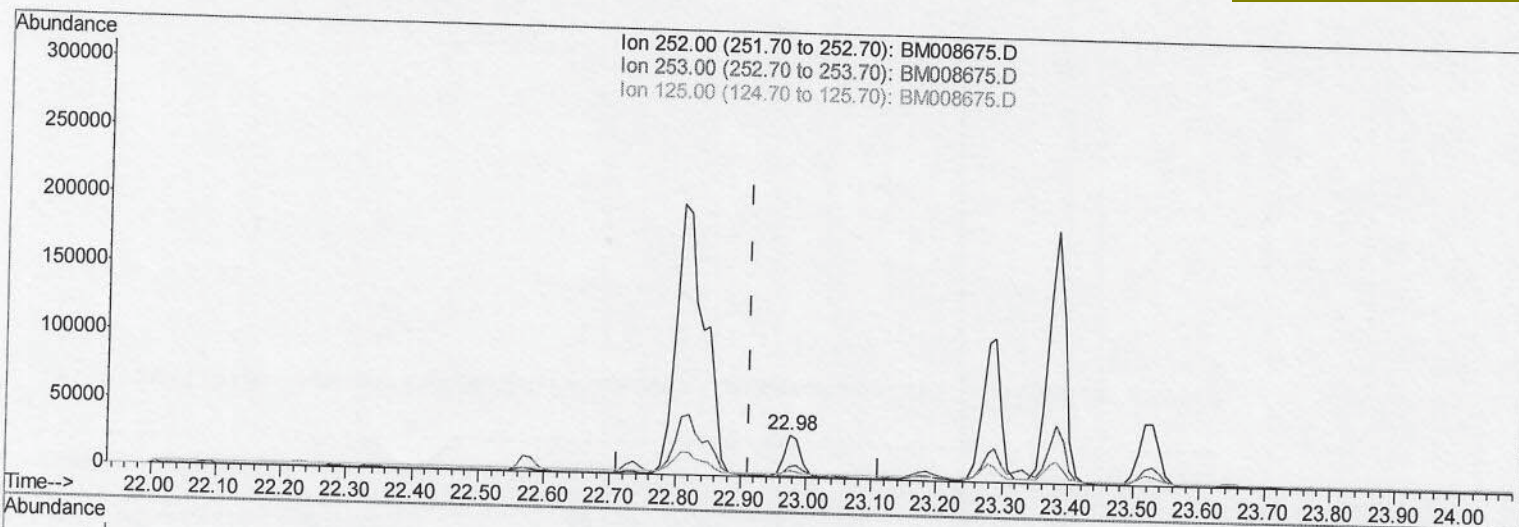
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(22) Benzo(k)fluoranthene  
 22.975min (+0.063) 6.11ng/ul  
 response 54607

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 25.49 |
| 125.00 | 17.10 | 16.19 |
| 0.00   | 0.00  | 0.00  |

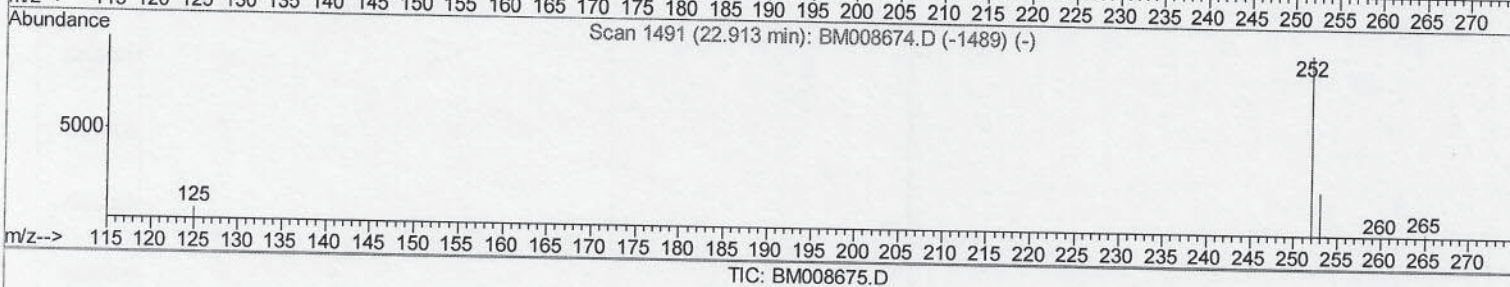
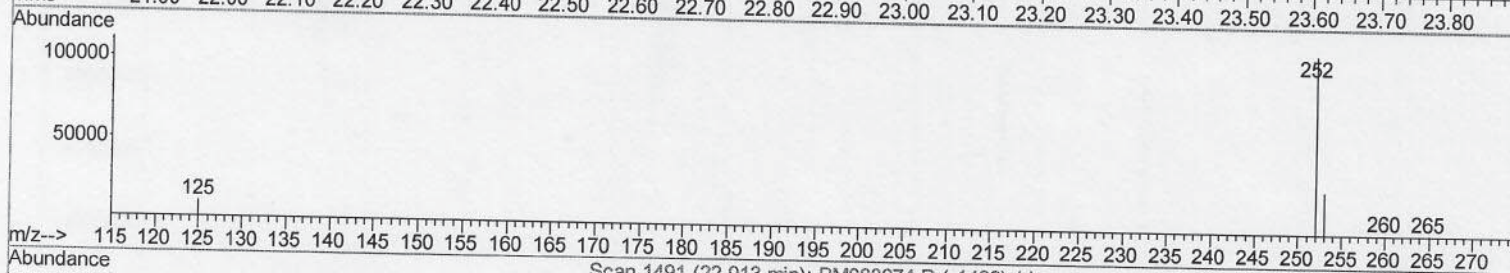
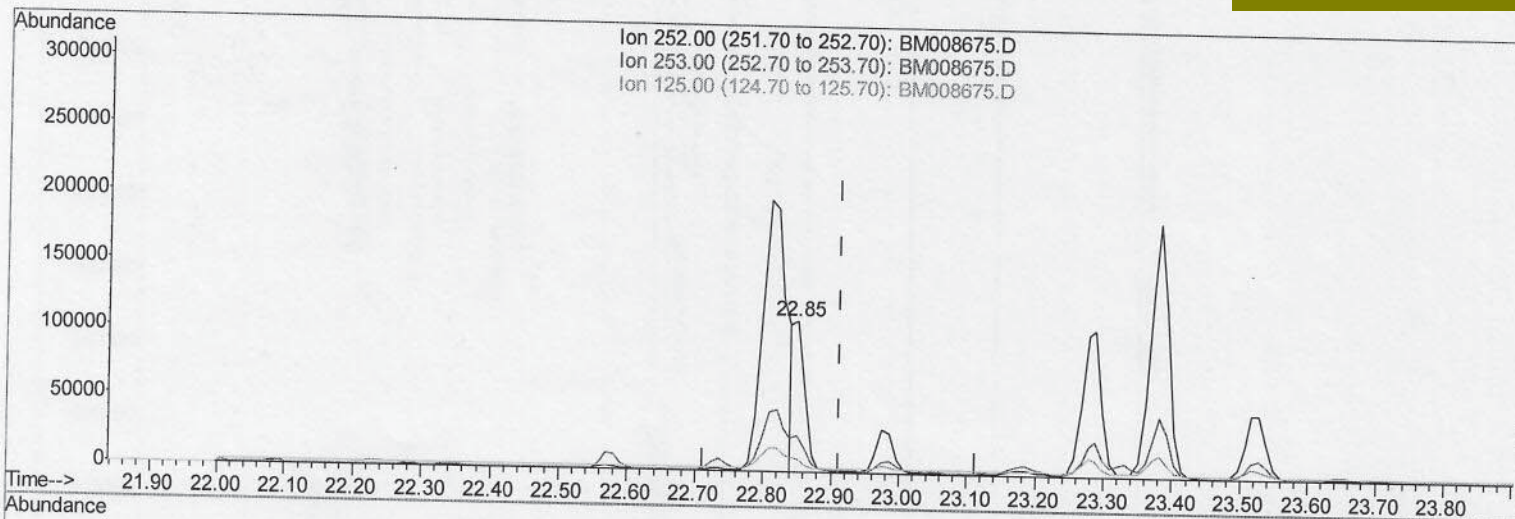
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



TIC: BM008675.D

(22) Benzo(k)fluoranthene

22.850min (-0.062) 13.25ng/ul m

>  $\frac{S.J}{12/30/16}$

response 118377

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 23.37# |
| 125.00 | 17.10 | 8.90#  |
| 0.00   | 0.00  | 0.00   |

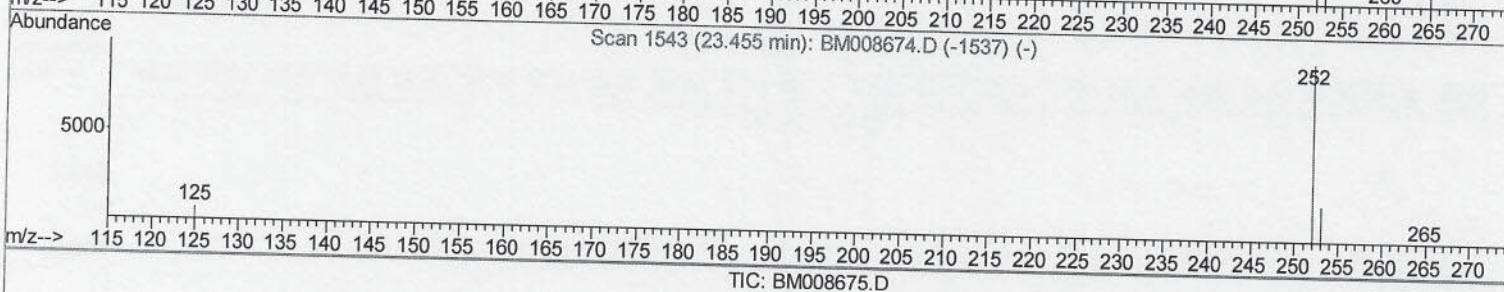
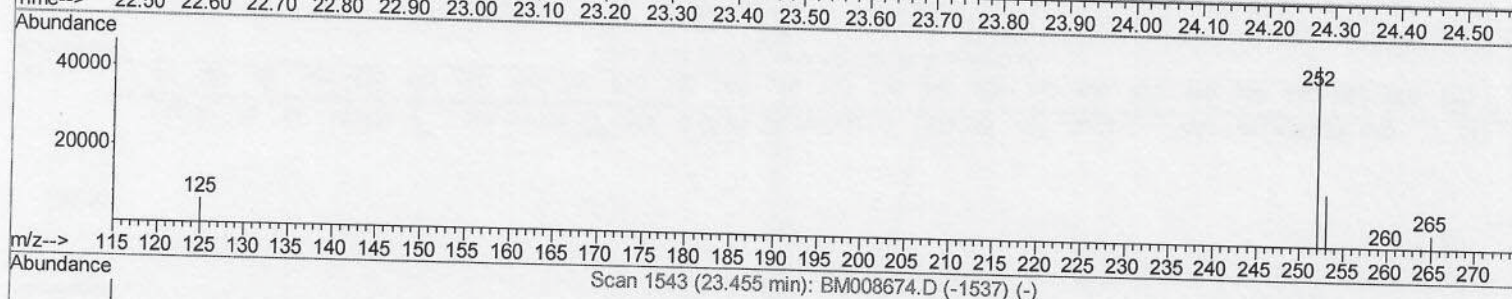
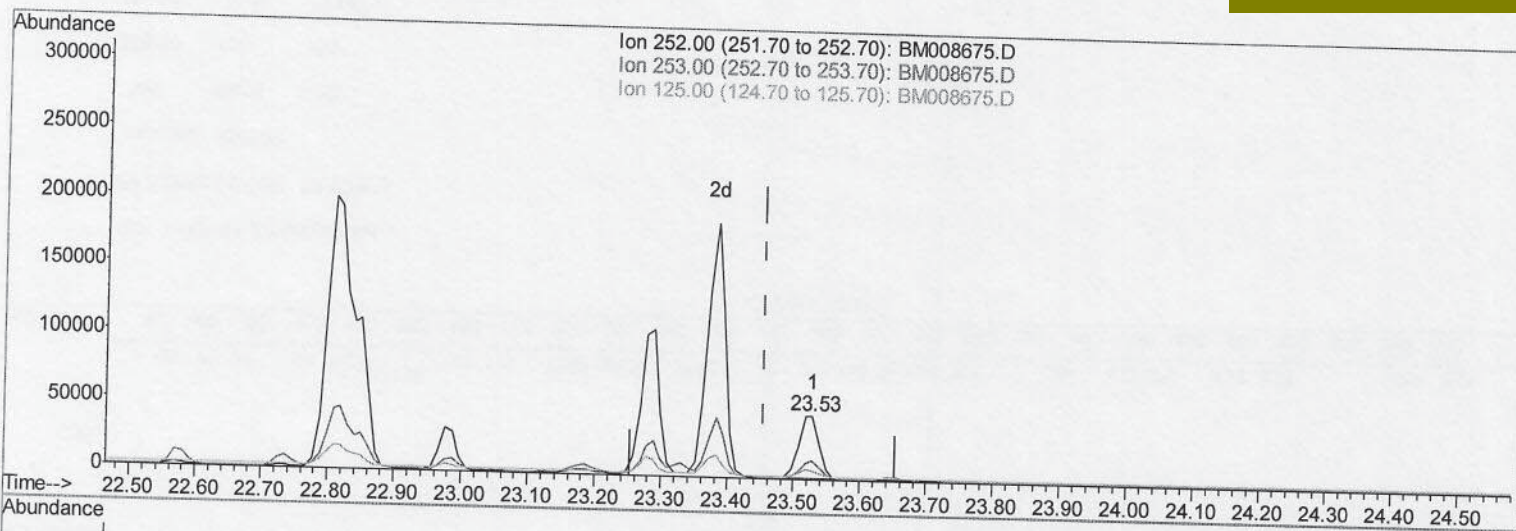
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
Data File : BM008675.D  
Acq On : 27 Dec 2016 16:02  
Operator : UM/SJ  
Sample : H5995-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA863

Quant Time: Dec 28 03:56:04 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 03:24:04 2016  
Response via : Initial Calibration

Manual Integrations  
APPROVED

umangi  
12/28/2016 6:20:58 PM



(23) Benzo(a)pyrene (C)

23.528min (+0.073) 11.33ng/ul

response 96162

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 29.55  |
| 125.00 | 22.60 | 13.80# |
| 0.00   | 0.00  | 0.00   |

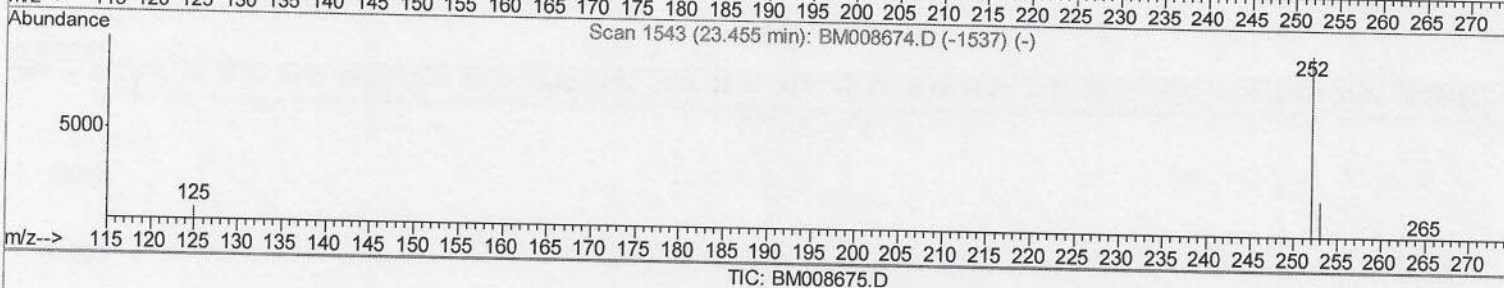
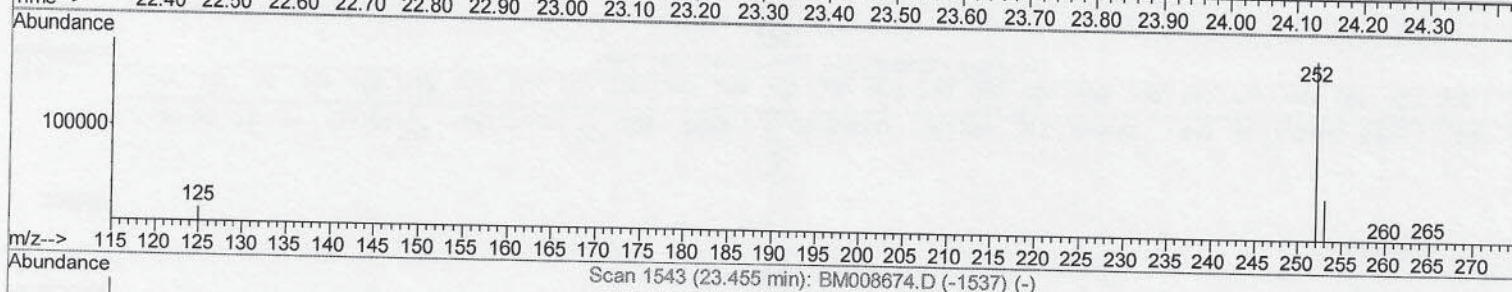
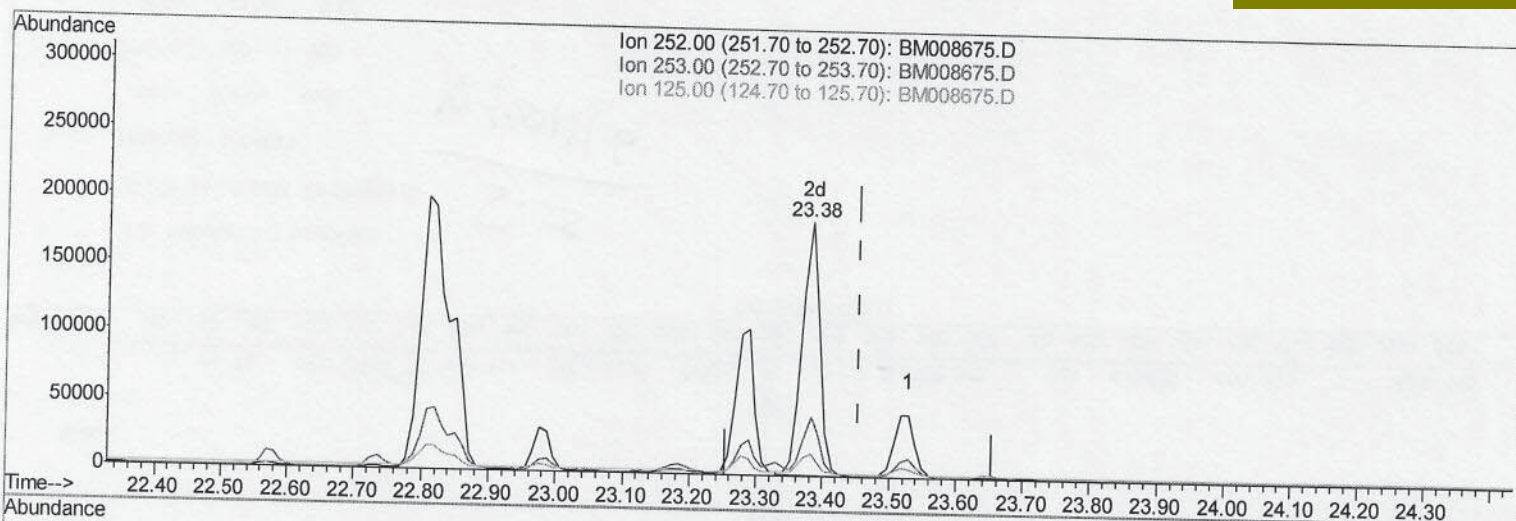
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(23) Benzo(a)pyrene (C)

23.382min (-0.073) 40.35ng/ul m

>  $\frac{S-J}{12/30/16}$

response 342548

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 23.21# |
| 125.00 | 22.60 | 8.65#  |
| 0.00   | 0.00  | 0.00   |

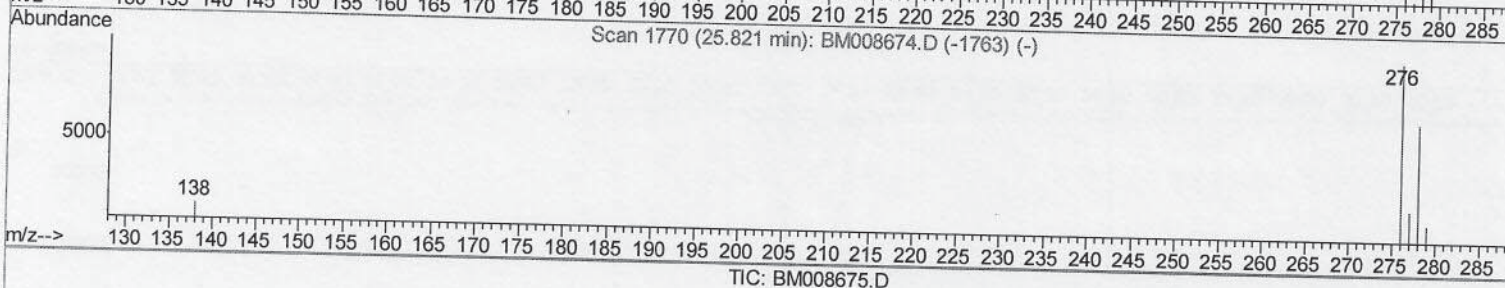
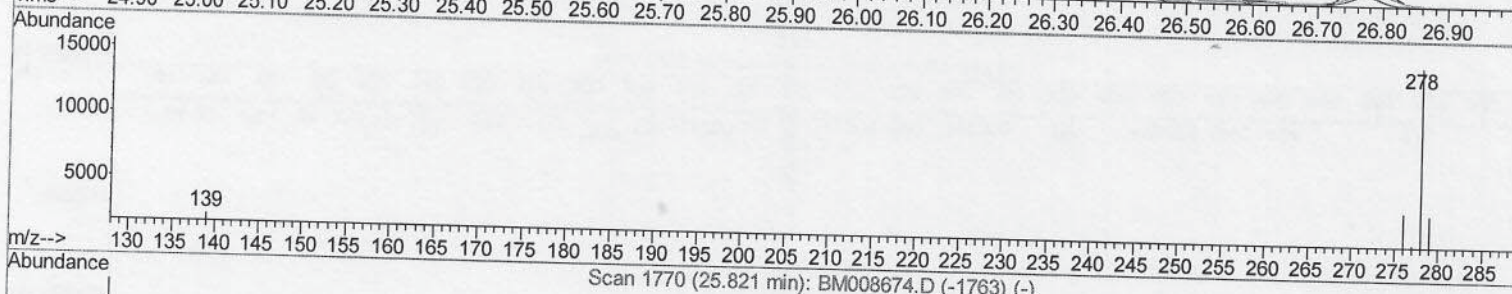
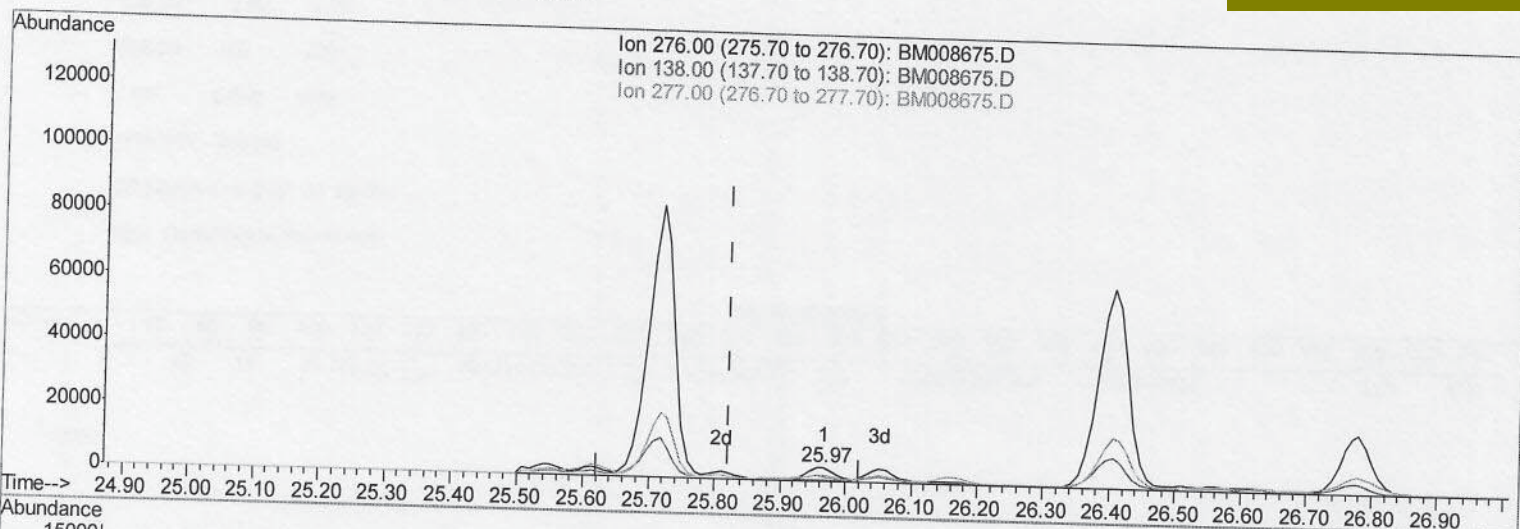
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



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

25.967min (+0.146) 1.11ng/ul

response 11224

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 23.90 | 35.07# |
| 277.00 | 24.50 | 53.26# |
| 0.00   | 0.00  | 0.00   |

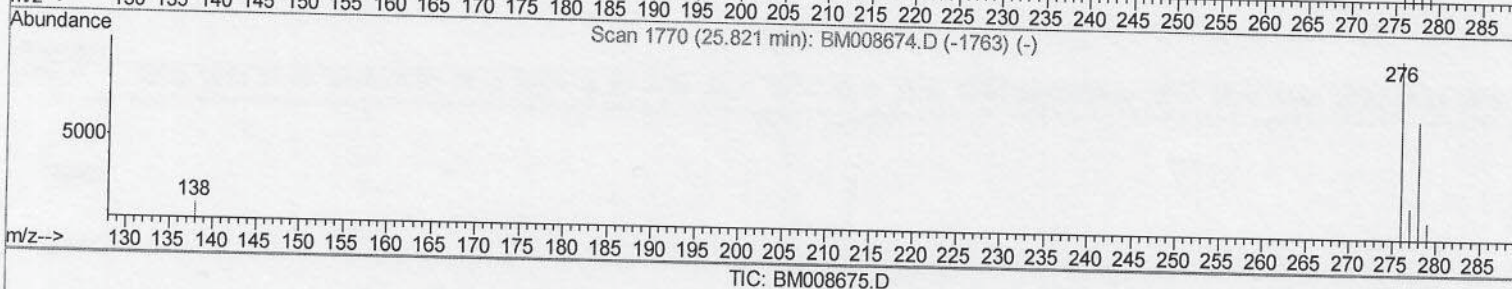
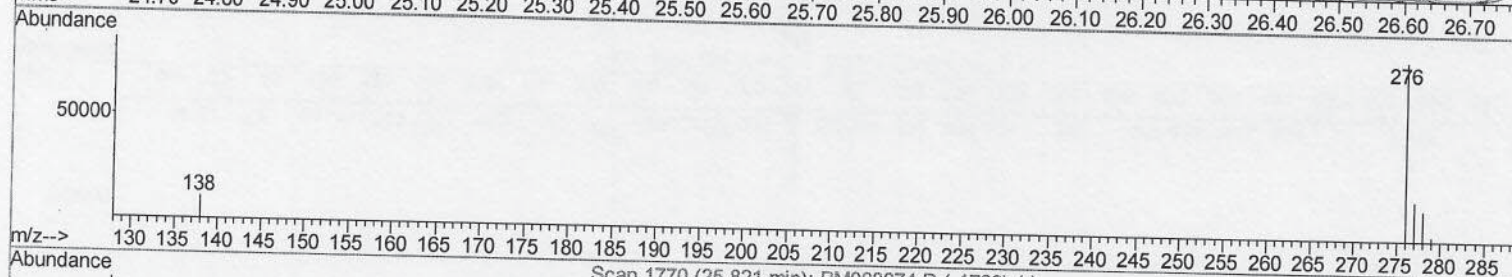
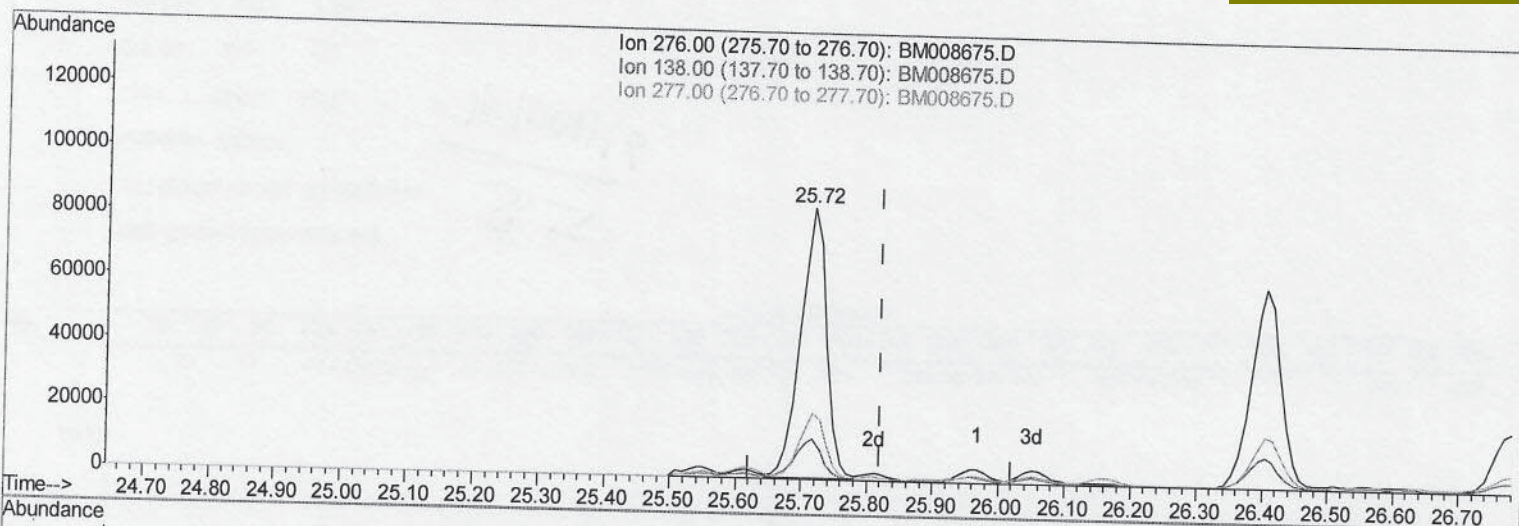
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



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

25.717min (-0.104) 22.90ng/ul m

response 231663

>  $\frac{S.J}{12/30/16}$

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 23.90 | 1.70# |
| 277.00 | 24.50 | 2.58# |
| 0.00   | 0.00  | 0.00  |

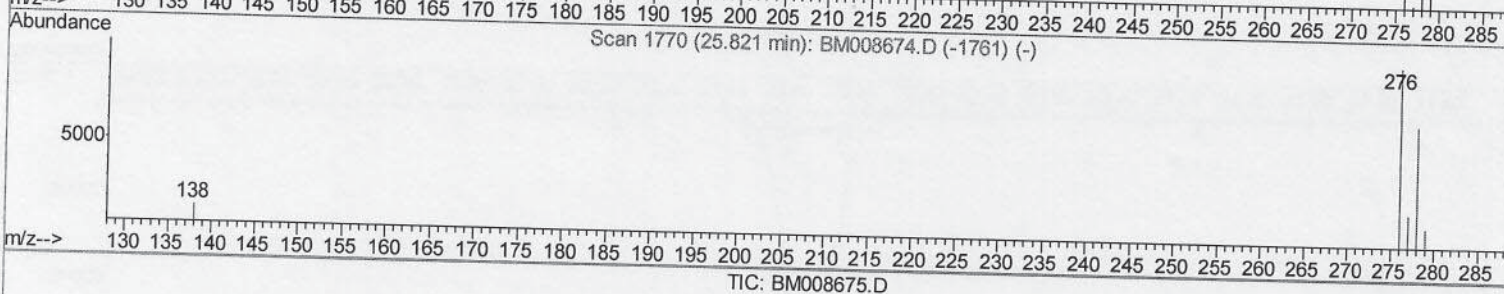
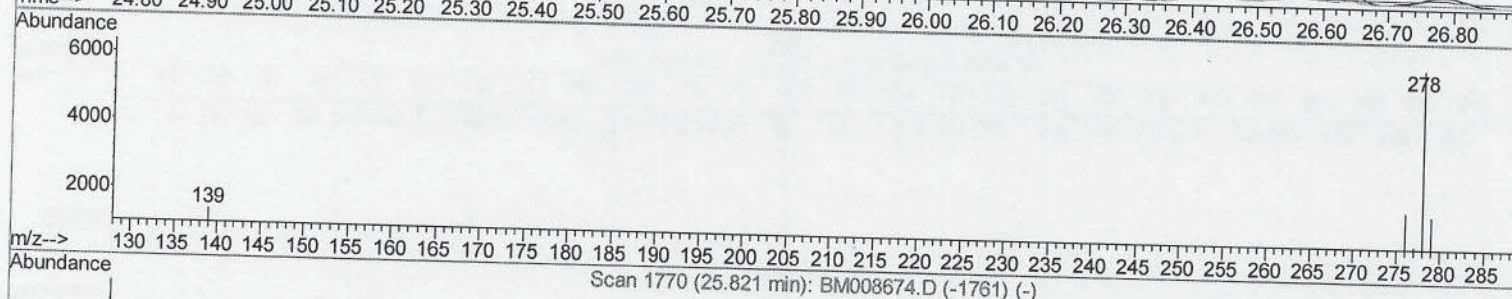
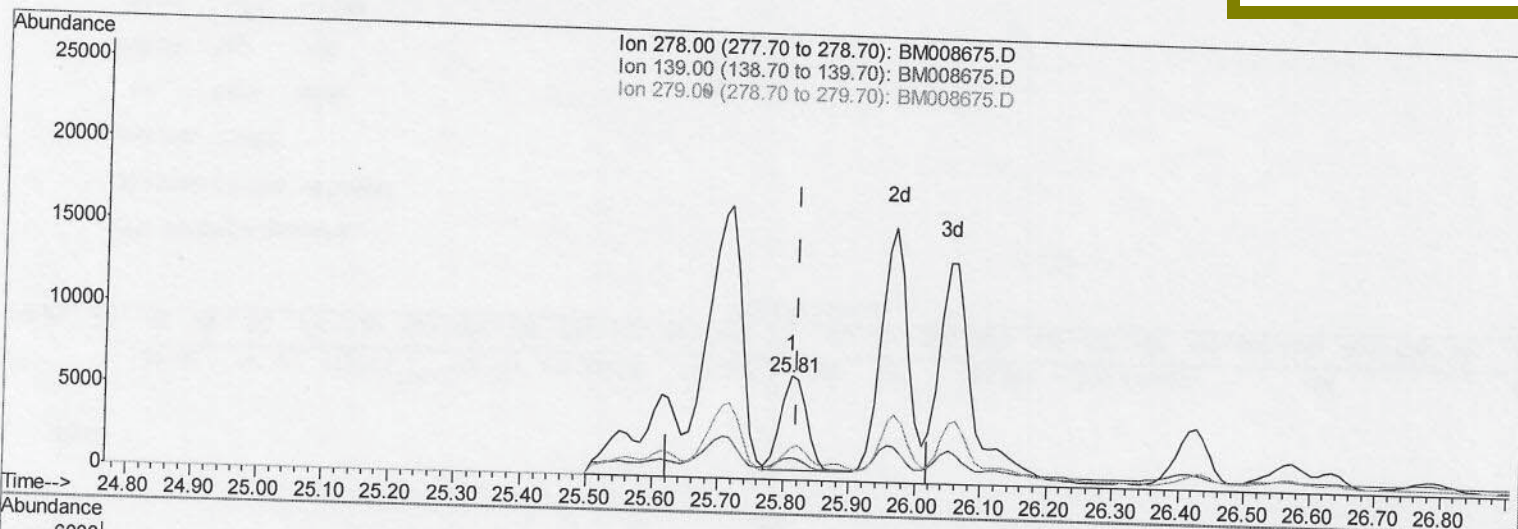
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(25) Dibenzo(a,h)anthracene

25.811min (-0.010) 1.96ng/ul

response 15876

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 21.70 | 22.03 |
| 279.00 | 32.40 | 31.51 |
| 0.00   | 0.00  | 0.00  |

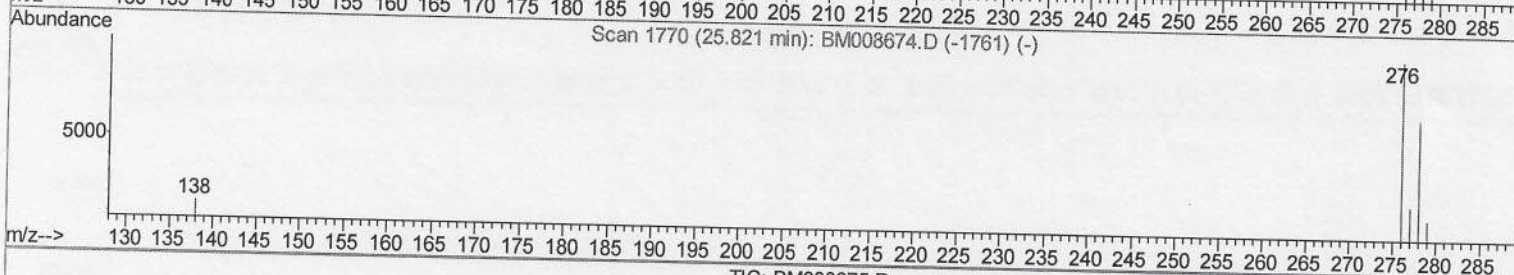
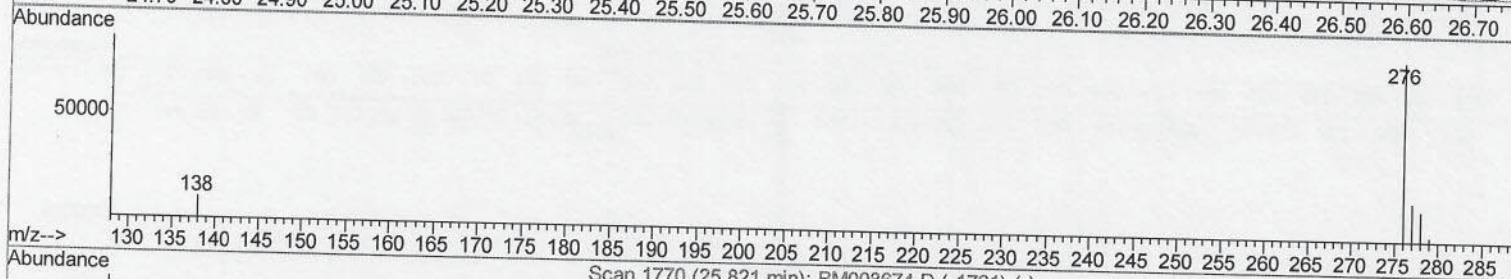
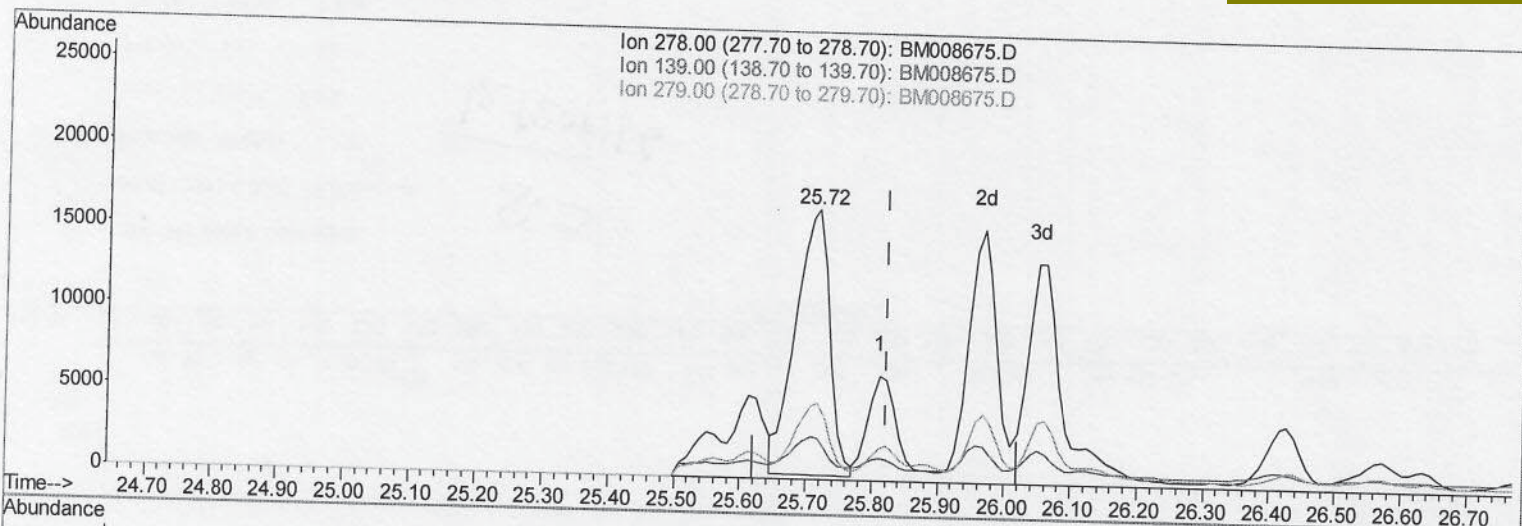
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



TIC: BM008675.D

(25) Dibenzo(a,h)anthracene

25.717min (-0.104) 7.27ng/ul m >  $\frac{5.5}{12/30/16}$

response 58736

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 21.70 | 15.20# |
| 279.00 | 32.40 | 27.67  |
| 0.00   | 0.00  | 0.00   |

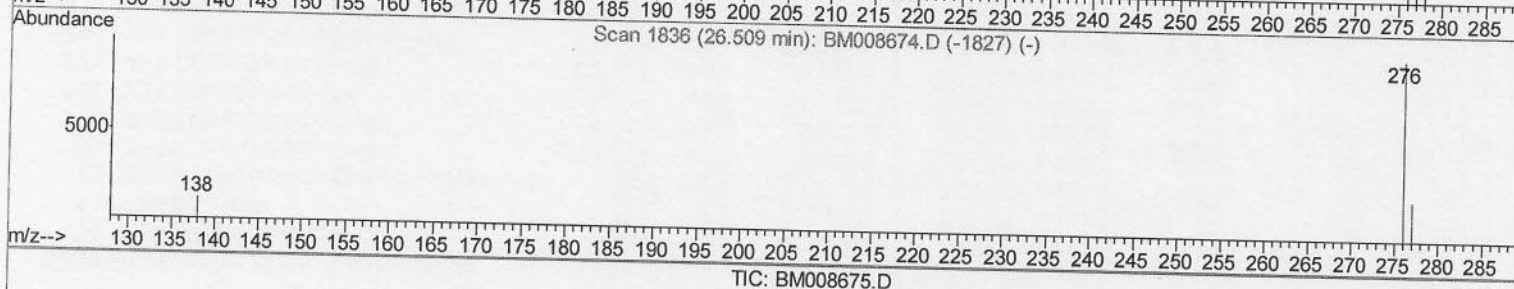
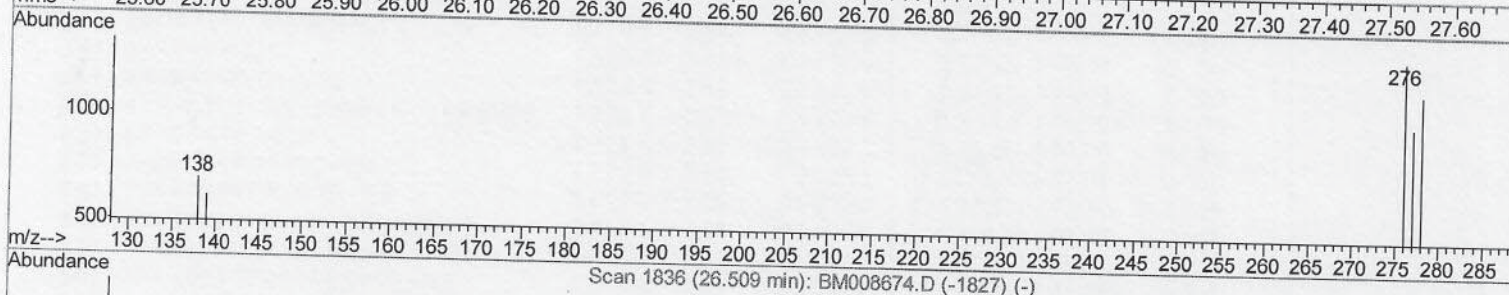
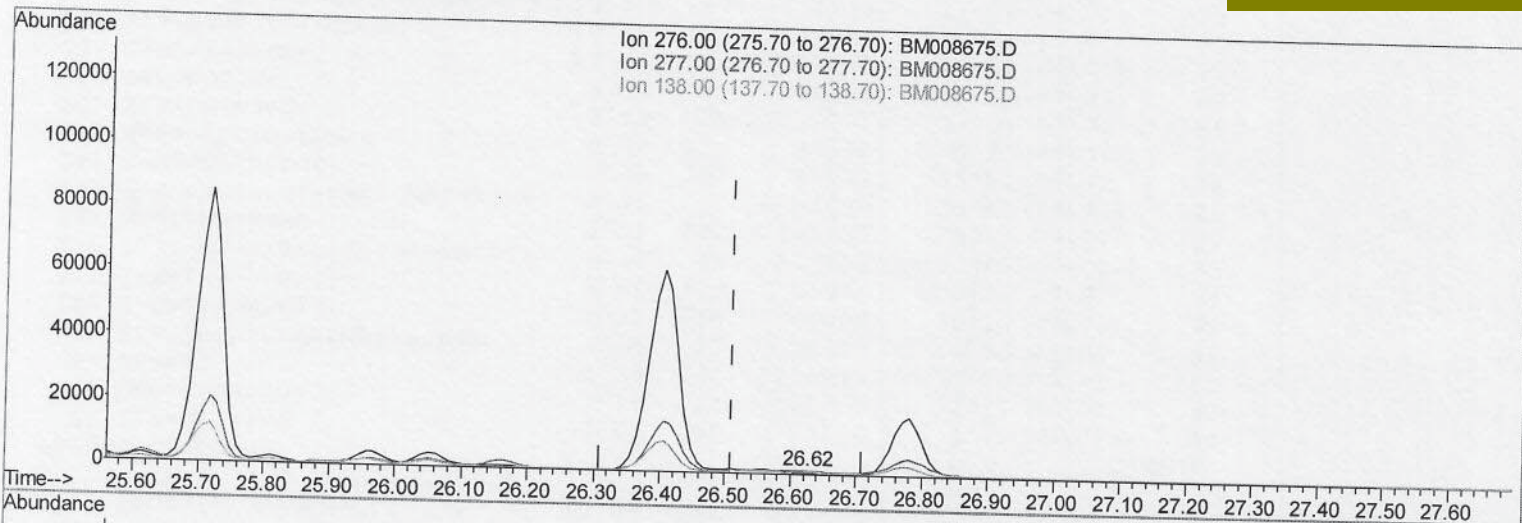
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration



(26) Benzo(g,h,i)perylene  
 26.624min (+0.115) 0.29ng/ul  
 response 2531  

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 277.00 | 27.30 | 76.78# |
| 138.00 | 25.60 | 51.56# |
| 0.00   | 0.00  | 0.00   |

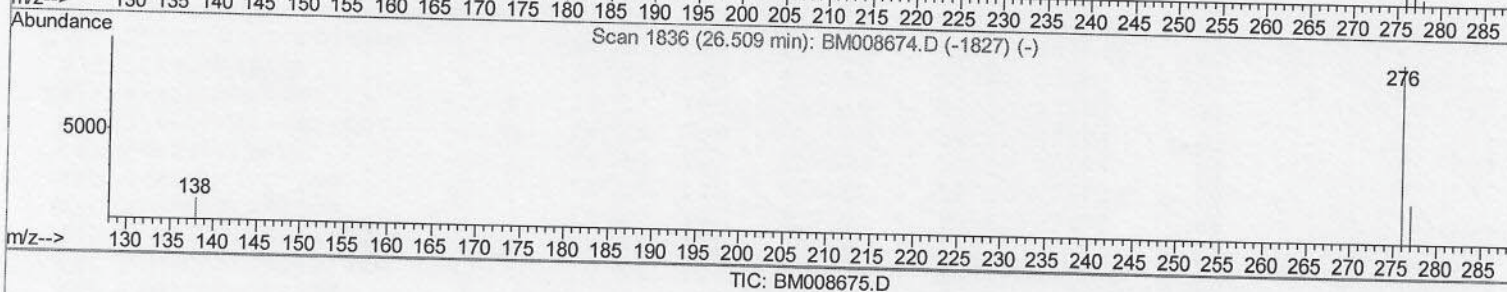
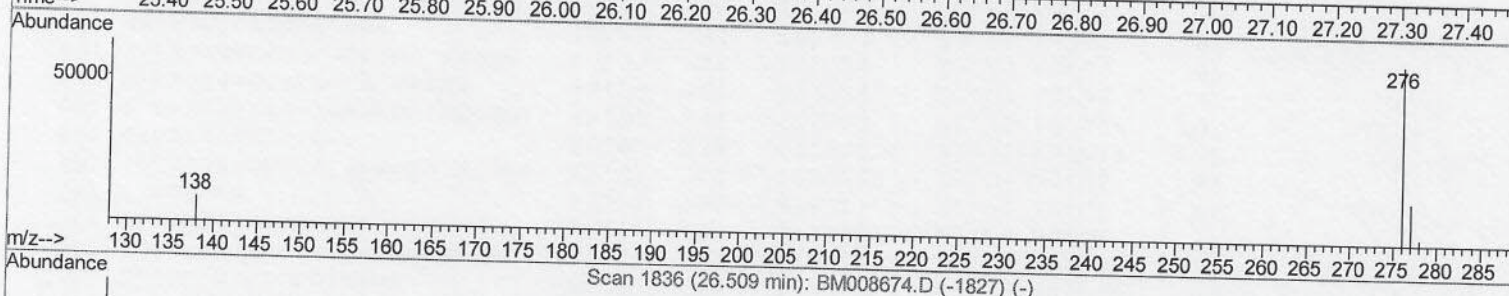
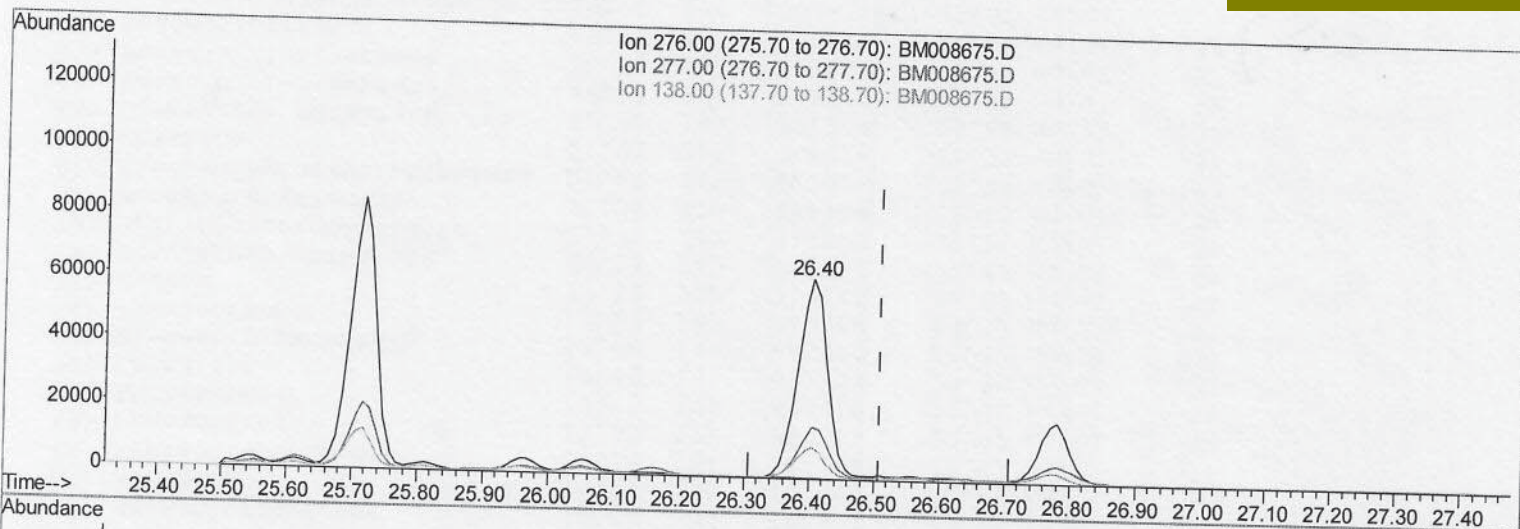
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 03:56:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM



(26) Benzo(g,h,i)perylene

26.405min (-0.104) 22.54ng/ul m >  $\frac{S.J}{12/30/16}$   
 response 195513

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 277.00 | 27.30 | 25.09  |
| 138.00 | 25.60 | 15.40# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122716\  
Data File : BM008675.D  
Acq On : 27 Dec 2016 16:02  
Operator : UM/SJ  
Sample : H5995-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA863

Quant Time: Dec 28 11:19:45 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 03:24:04 2016  
Response via : Initial Calibration

Manual Integrations  
APPROVED

umangi  
12/28/2016 6:20:58 PM

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 475m     | 0.40 | ng/ul | -0.19    |
| 2) Naphthalene-d8         | 10.40 | 136  | 1637m    | 0.40 | ng/ul | -0.17    |
| 6) Acenaphthene-d10       | 14.28 | 164  | 1604m    | 0.40 | ng/ul | -0.07    |
| 10) Phenanthrene-d10      | 16.99 | 188  | 6324m    | 0.40 | ng/ul | -0.14    |
| 16) Chrysene-d12          | 21.25 | 240  | 4238m    | 0.40 | ng/ul | -0.05    |
| 20) Perylene-d12          | 23.48 | 264  | 2768m    | 0.40 | ng/ul | -0.06    |

S.J.  
12/30/16

System Monitoring Compounds  
4) 2-Methylnaphthalene-d10  
14) Fluoranthene-d10

|       |     |       |            |       |
|-------|-----|-------|------------|-------|
| 12.11 | 152 | 791   | 0.32 ng/ul | -0.06 |
| 19.08 | 212 | 4059m | 0.23 ng/ul | -0.07 |

S.J.  
12/30/16

Target Compounds

|                            |       |     |         | Qvalue      |
|----------------------------|-------|-----|---------|-------------|
| 3) Naphthalene             | 10.45 | 128 | 60781m  | 13.20 ng/ul |
| 5) 2-Methylnaphthalene     | 12.07 | 142 | 14710m  | 4.75 ng/ul  |
| 7) Acenaphthylene          | 14.00 | 152 | 1605    | 0.22 ng/ul# |
| 8) Acenaphthene            | 14.33 | 153 | 83635   | 15.33 ng/ul |
| 9) Fluorene                | 15.34 | 166 | 52979m  | 8.51 ng/ul  |
| 12) Phenanthrene           | 17.07 | 178 | 575497m | 29.80 ng/ul |
| 13) Anthracene             | 17.16 | 178 | 102787  | 5.48 ng/ul  |
| 15) Fluoranthene           | 19.11 | 202 | 784155  | 33.12 ng/ul |
| 17) Pyrene                 | 19.48 | 202 | 650370  | 39.70 ng/ul |
| 18) Benzo(a)anthracene     | 21.23 | 228 | 355429m | 25.54 ng/ul |
| 19) Chrysene               | 21.29 | 228 | 312843  | 20.53 ng/ul |
| 21) Benzo(b)fluoranthene   | 22.81 | 252 | 497291m | 45.60 ng/ul |
| 22) Benzo(k)fluoranthene   | 22.85 | 252 | 118377m | 11.13 ng/ul |
| 23) Benzo(a)pyrene         | 23.38 | 252 | 342548m | 33.89 ng/ul |
| 24) Indeno(1,2,3-cd)pyrene | 25.72 | 276 | 231663m | 19.23 ng/ul |
| 25) Dibenzo(a,h)anthracene | 25.72 | 278 | 58736m  | 6.10 ng/ul  |
| 26) Benzo(g,h,i)perylene   | 26.40 | 276 | 195513m | 18.93 ng/ul |

S.J.  
12/30/16

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

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM122716\  
 Data File : BM008675.D  
 Acq On : 27 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5995-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA863

Quant Time: Dec 28 11:19:45 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:24:04 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

umangi  
 12/28/2016 6:20:58 PM

