

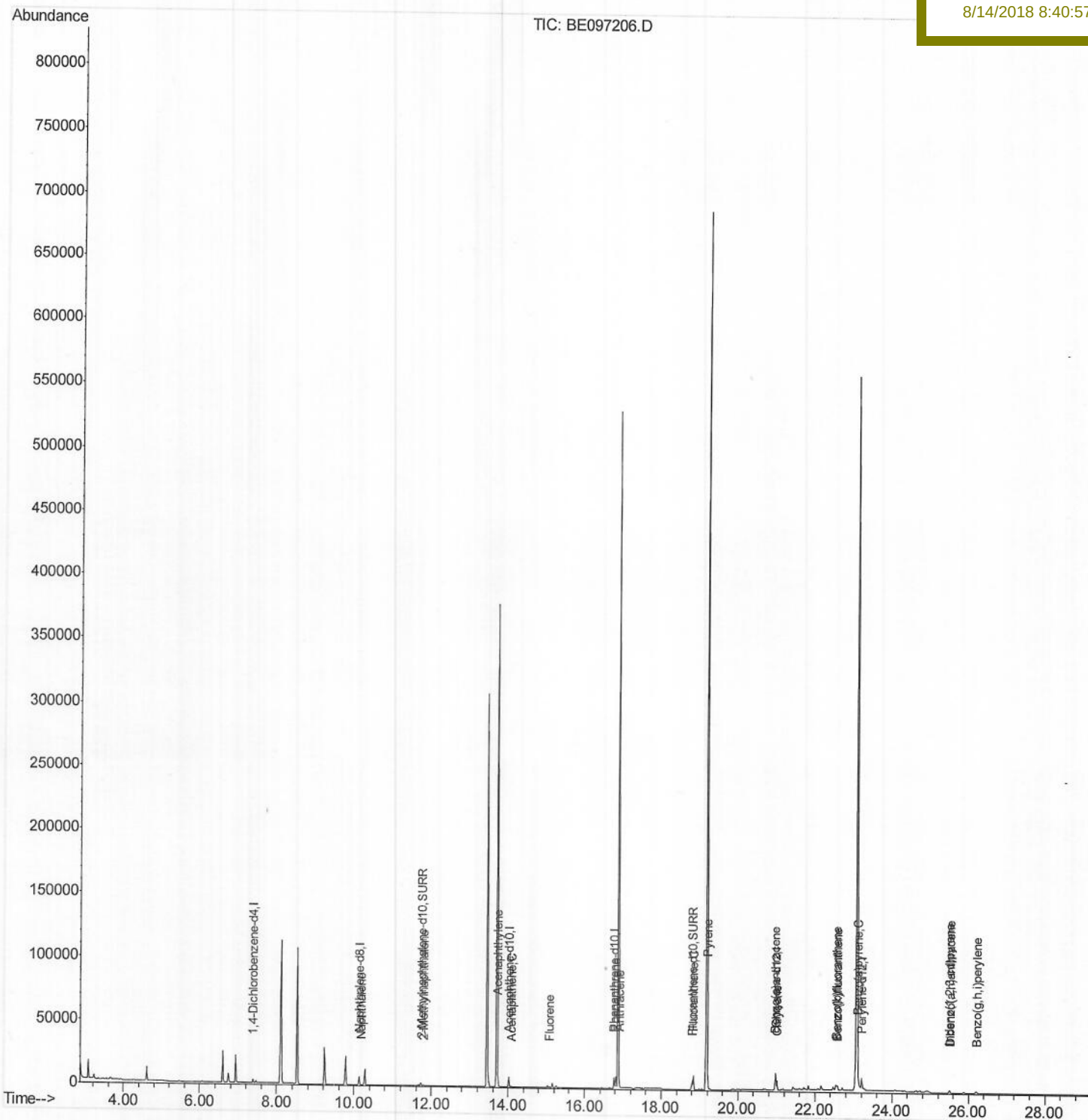
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
Data File : BE097206.D  
Acq On : 4 Aug 2018 17:58  
Operator : SJ/JU  
Sample : J4206-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 05:02:33 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 14 04:57:25 2018  
Response via : Initial Calibration

Instrument :  
BNA\_E  
ClientSampleId :  
JJ1J8

Manual Integrations  
APPROVED

Sohil  
8/14/2018 8:40:57 AM



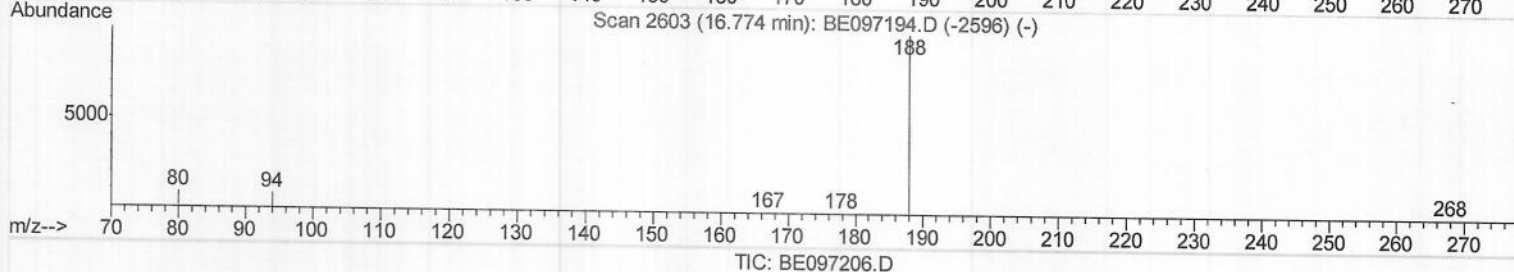
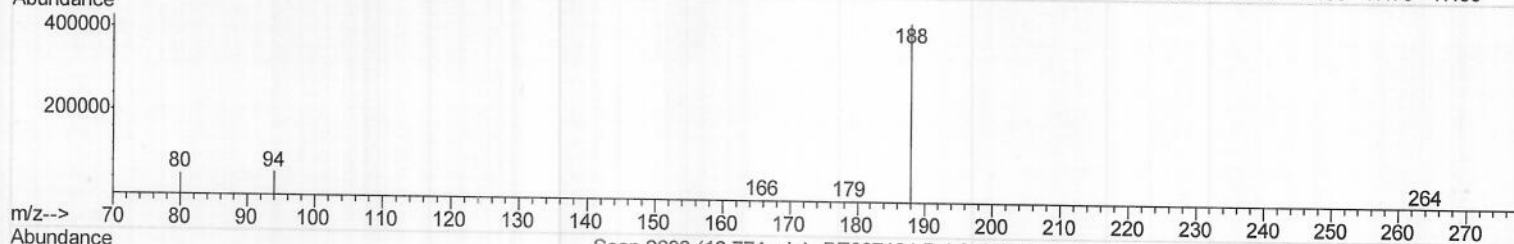
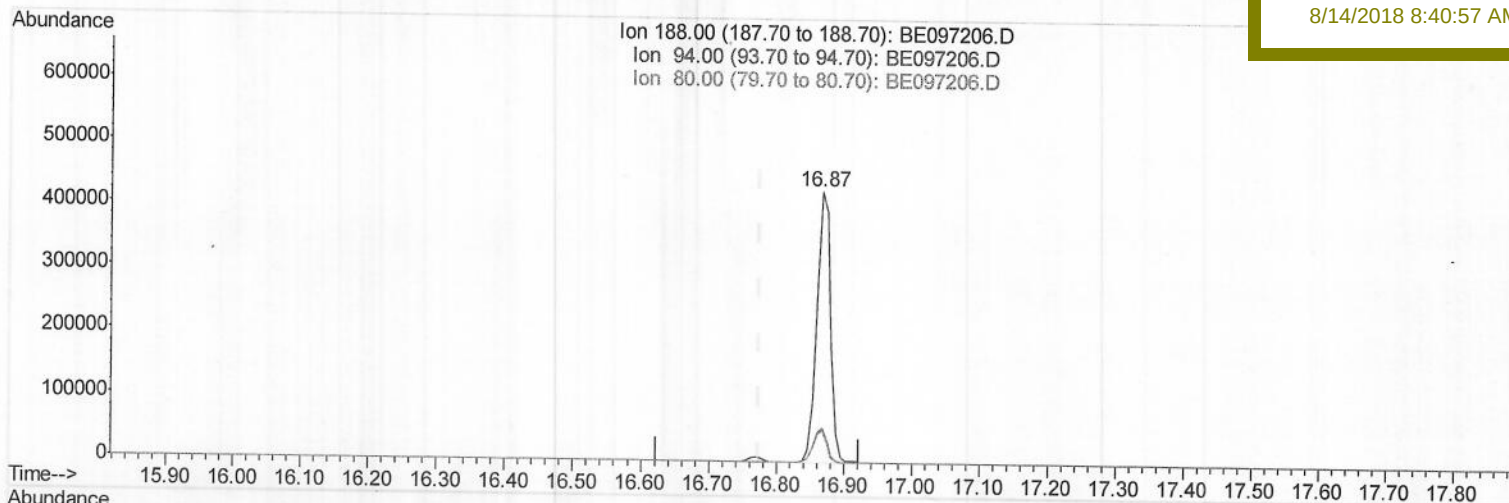
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
Data File : BE097206.D  
Acq On : 4 Aug 2018 17:58  
Operator : SJ/JU  
Sample : J4206-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:58:37 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 14 04:57:25 2018  
Response via : Initial Calibration

Instrument :  
BNA\_E  
ClientSampleId :  
JJ1J8

Manual Integrations  
APPROVED

Sohil  
8/14/2018 8:40:57 AM



(10) Phenanthrene-d10 (I)

16.867min (+0.093) 0.40ng/ul

response 603380

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 12.92 |
| 80.00  | 11.80 | 11.99 |
| 0.00   | 0.00  | 0.00  |

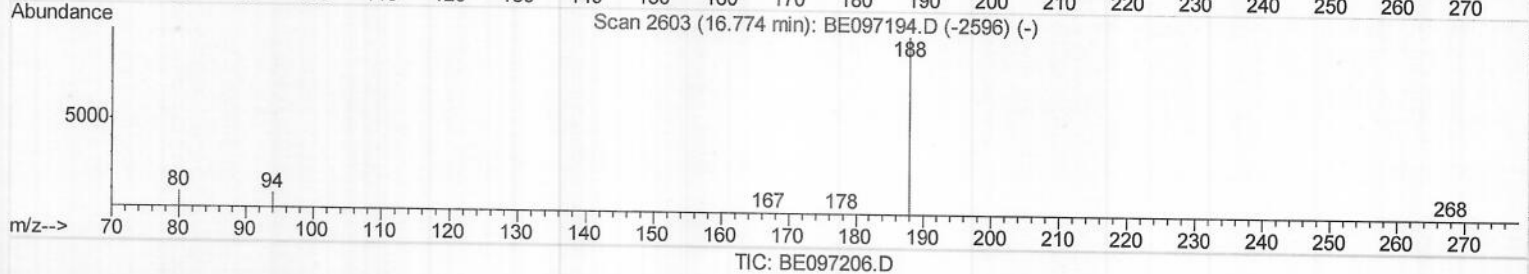
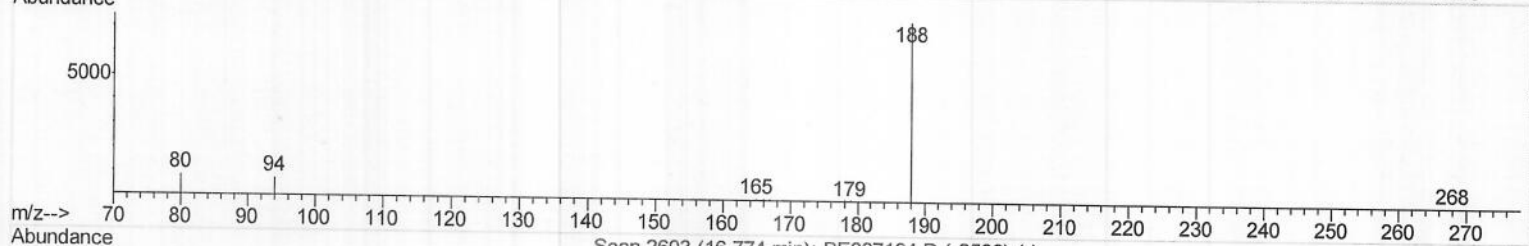
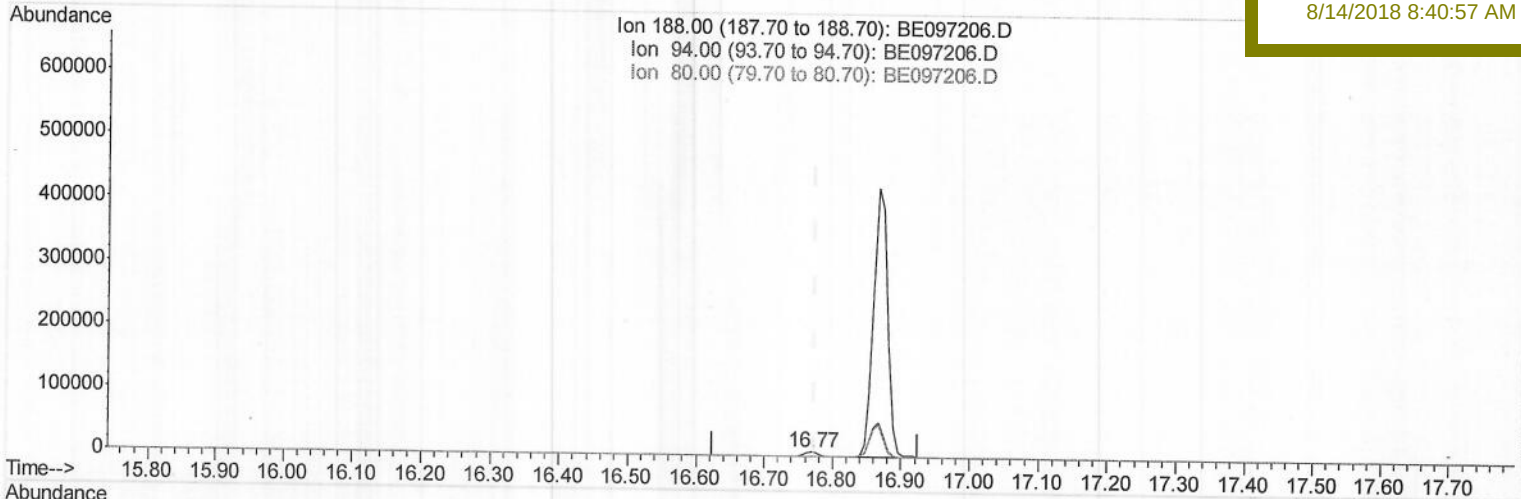
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
Data File : BE097206.D  
Acq On : 4 Aug 2018 17:58  
Operator : SJ/JU  
Sample : J4206-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 05:02:33 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 14 04:57:25 2018  
Response via : Initial Calibration

Instrument :  
BNA\_E  
ClientSampleId :  
JJ1J8

Manual Integrations  
APPROVED

Sohil  
8/14/2018 8:40:57 AM



(10) Phenanthrene-d10 (I)

16.769min (-0.006) 0.40ng/ul m > SJ 8/14/18

response 10487

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 10.26 |
| 80.00  | 11.80 | 11.67 |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:58:59 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

Response via : Initial Calibration

Instrument :

BNA\_E

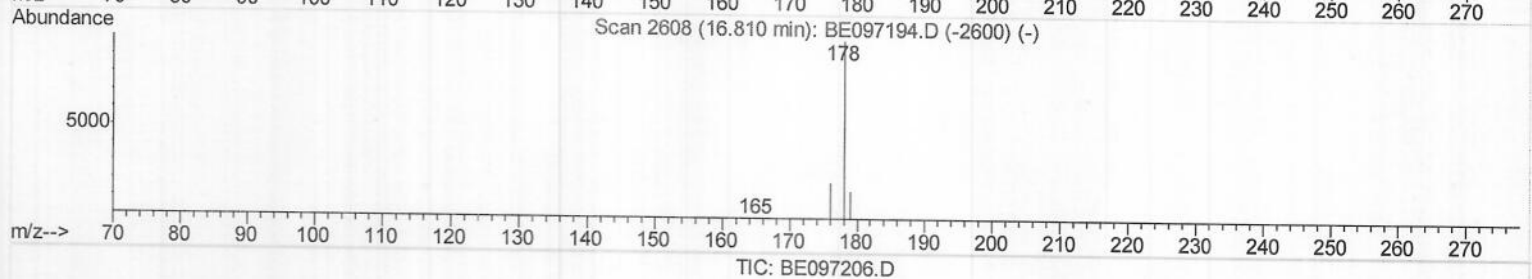
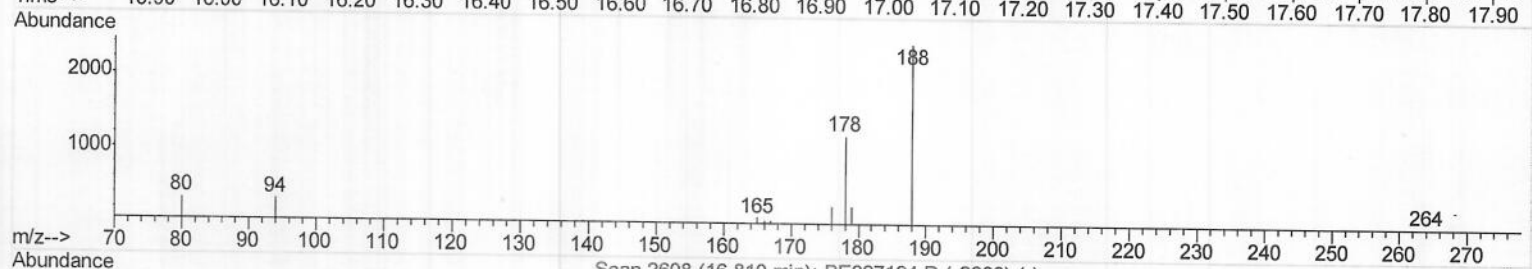
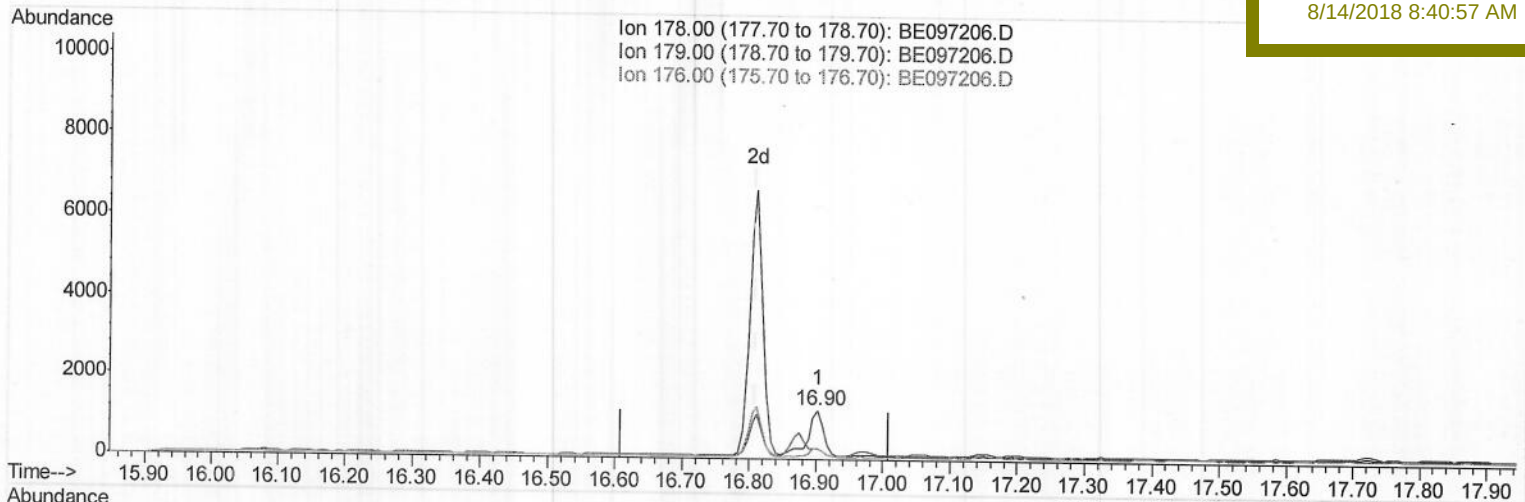
ClientSampleId :

JJ1J8

Manual Integrations  
APPROVED

Sohil

8/14/2018 8:40:57 AM



(12) Phenanthrene

16.903min (+0.093) 0.07ng/ul

response 1824

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 23.00 | 22.63  |
| 176.00 | 17.00 | 23.12# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

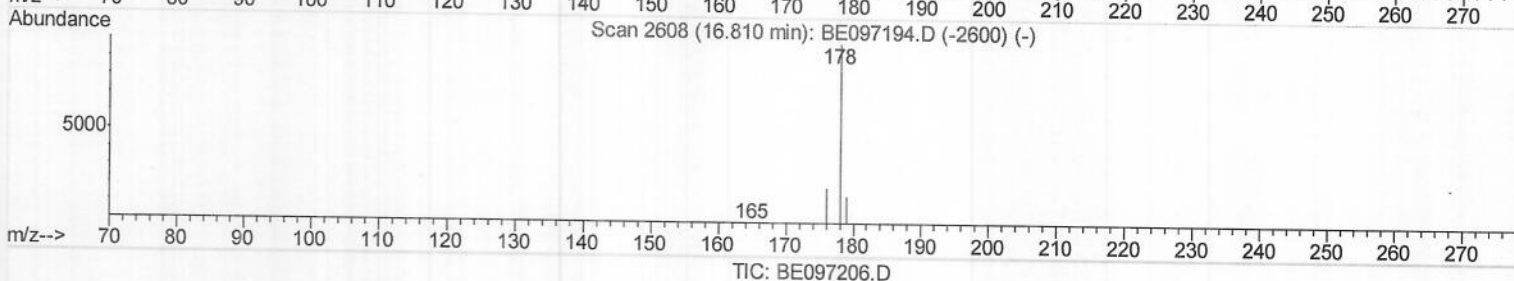
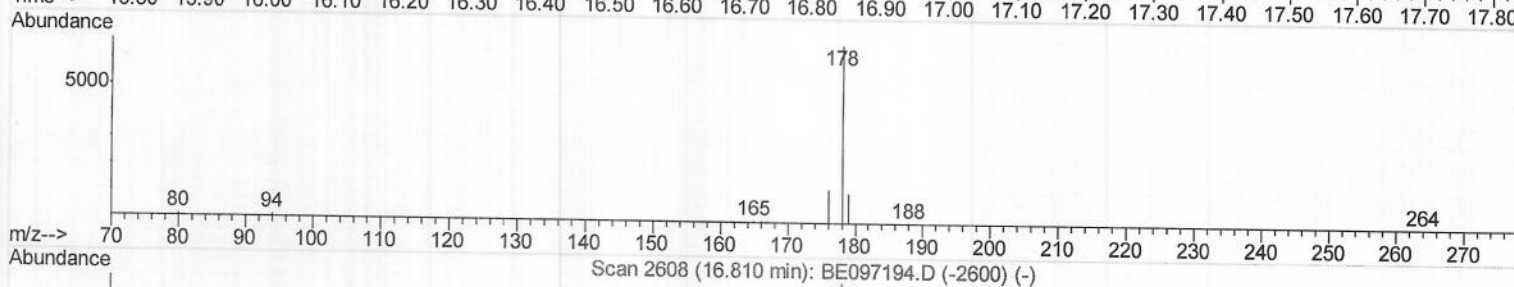
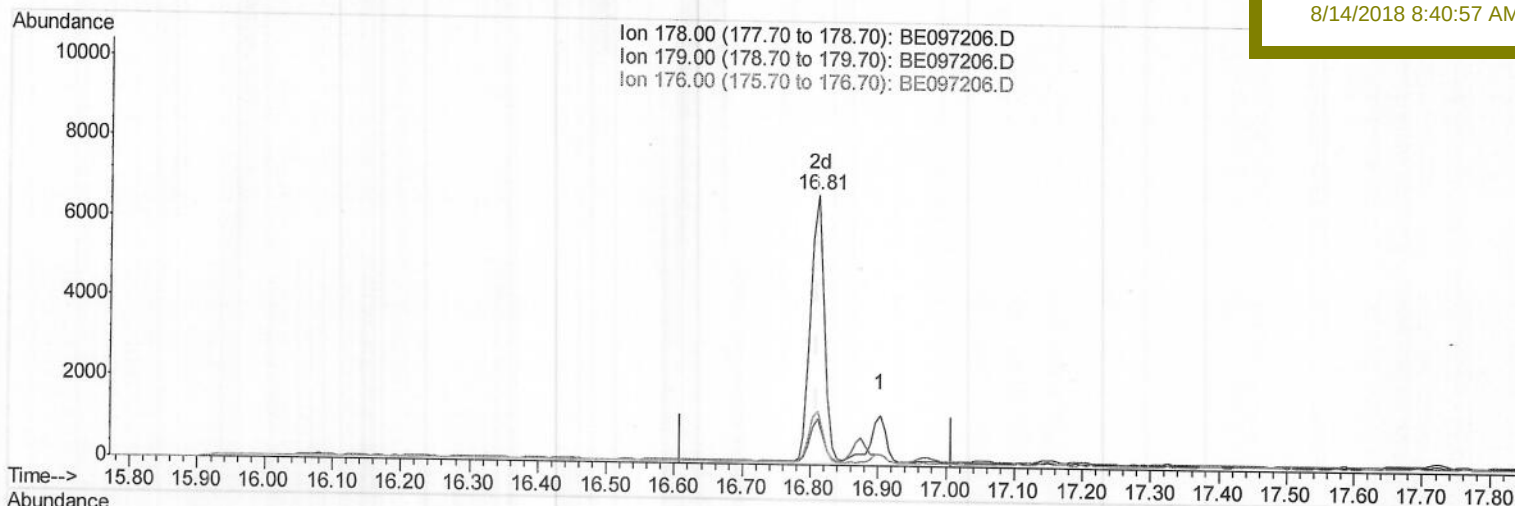
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
 Data File : BE097206.D  
 Acq On : 4 Aug 2018 17:58  
 Operator : SJ/JU  
 Sample : J4206-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:58:59 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 14 04:57:25 2018  
 Response via : Initial Calibration

Instrument :  
 BNA\_E  
 ClientSampleId :  
 JJ1J8

Manual Integrations  
 APPROVED

Sohil  
 8/14/2018 8:40:57 AM



(12) Phenanthrene

16.811min (+0.001) 0.34ng/ul m ) 558/14118

response 9149

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 23.00 | 16.75# |
| 176.00 | 17.00 | 19.35  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

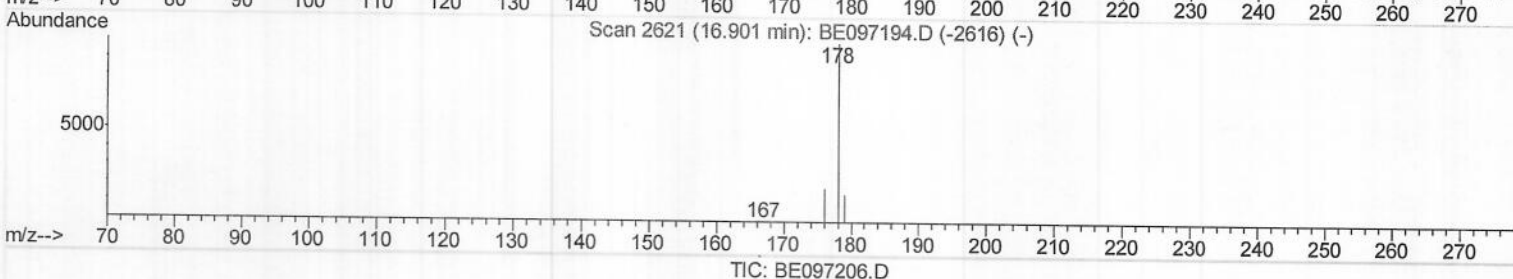
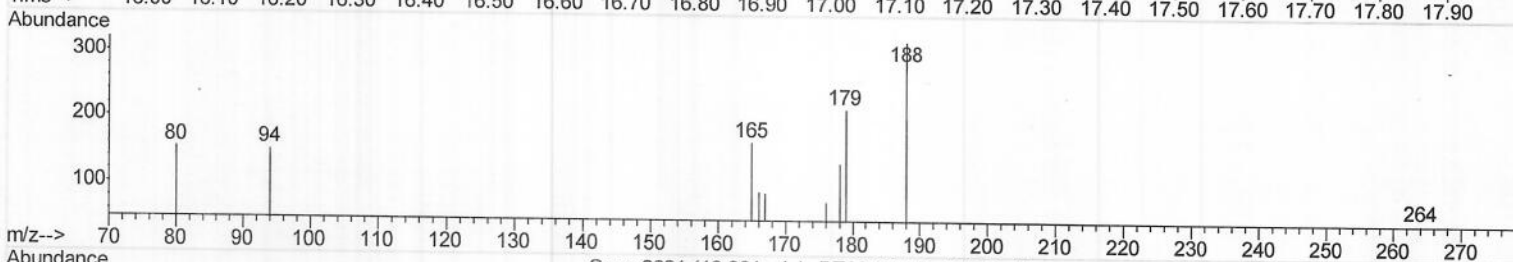
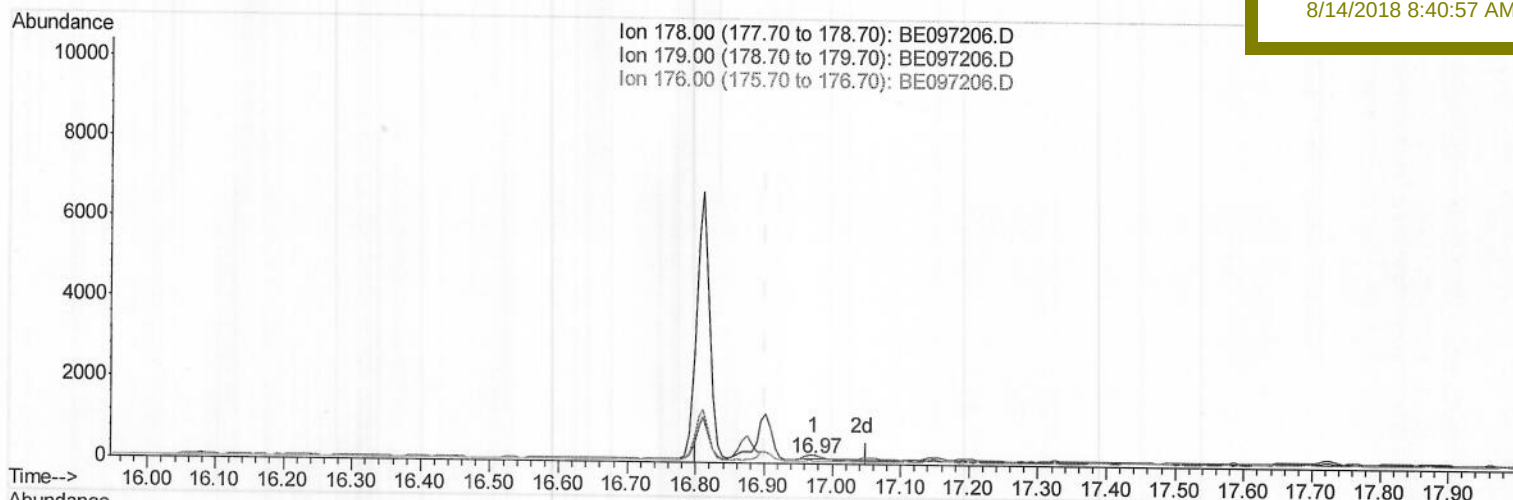
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
 Data File : BE097206.D  
 Acq On : 4 Aug 2018 17:58  
 Operator : SJ/JU  
 Sample : J4206-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:59:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 14 04:57:25 2018  
 Response via : Initial Calibration

**Instrument :**  
 BNA\_E  
**ClientSampleId :**  
 JJ1J8

**Manual Integrations**  
**APPROVED**

Sohil  
 8/14/2018 8:40:57 AM



(13) Anthracene

16.973min (+0.072) 0.00ng/ul

response 76

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 22.60 | 162.41# |
| 176.00 | 18.40 | 57.14#  |
| 0.00   | 0.00  | 0.00    |



Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:59:35 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

Response via : Initial Calibration

Instrument :

BNA\_E

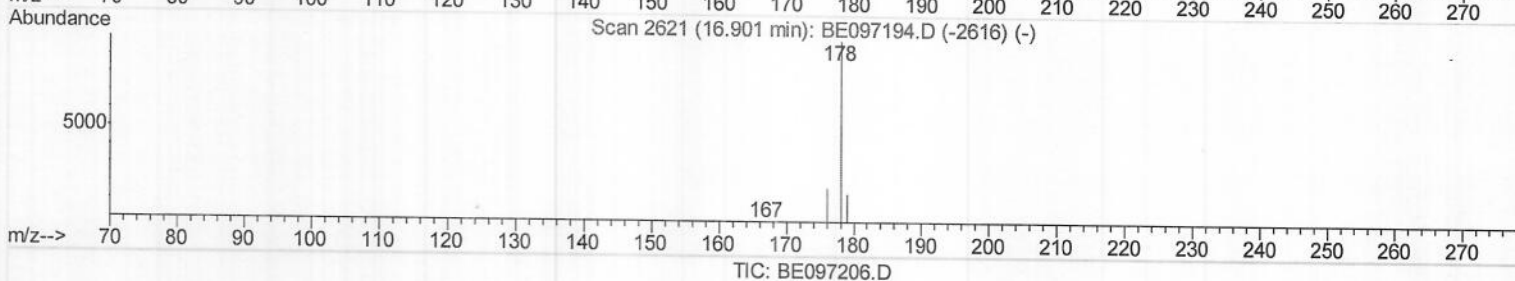
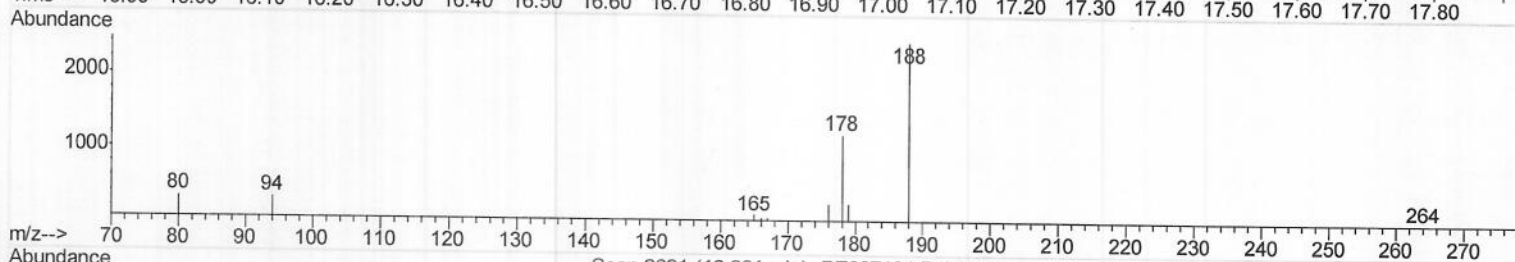
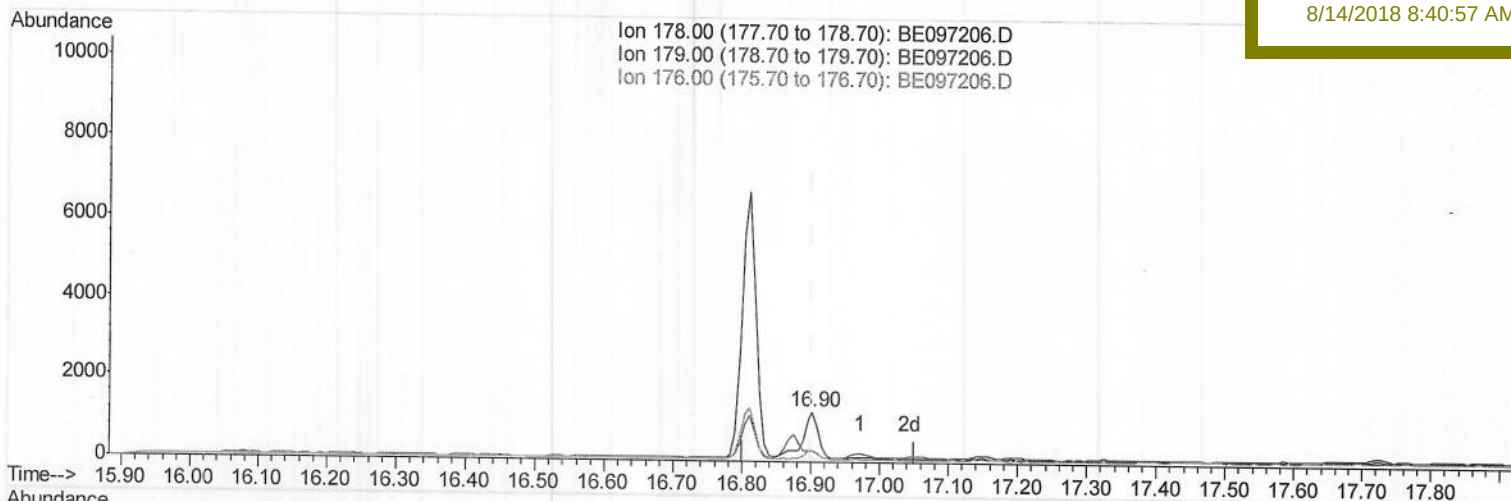
ClientSampleId :

JJ1J8

Manual Integrations  
APPROVED

Sohil

8/14/2018 8:40:57 AM



(13) Anthracene

16.903min (+0.001) 0.06ng/ul m

) 558/14/18

response 1492

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 22.60 | 22.63  |
| 176.00 | 18.40 | 23.12# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

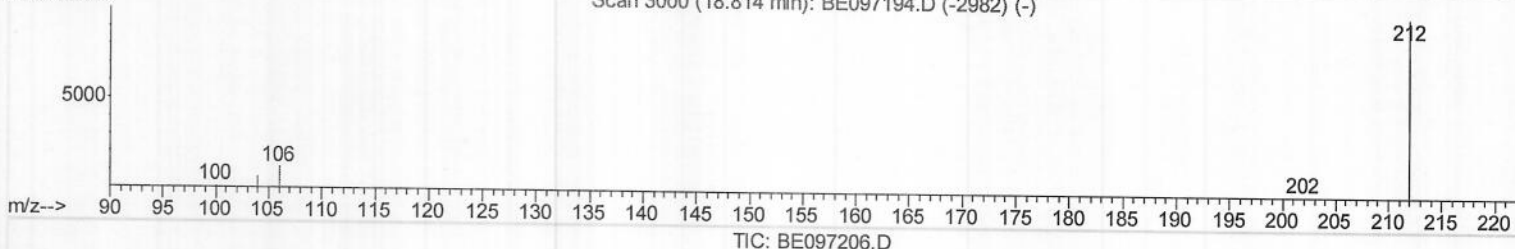
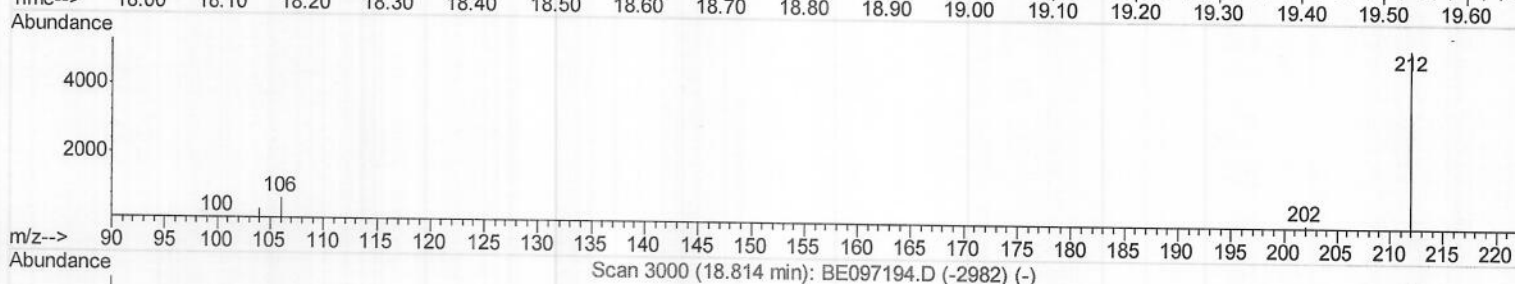
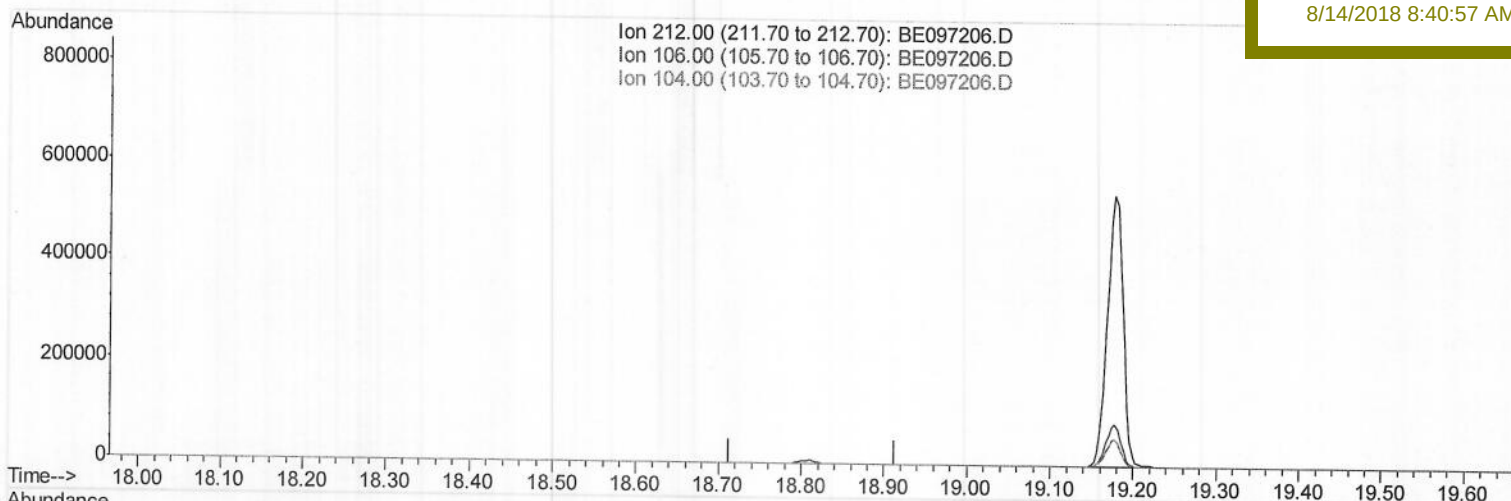
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
 Data File : BE097206.D  
 Acq On : 4 Aug 2018 17:58  
 Operator : SJ/JU  
 Sample : J4206-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:59:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 14 04:57:25 2018  
 Response via : Initial Calibration

Instrument :  
 BNA\_E  
 ClientSampleId :  
 JJ1J8

Manual Integrations  
 APPROVED

Sohil  
 8/14/2018 8:40:57 AM



(14) Fluoranthene-d10 (SURR)

18.814min (-18.814) 0.00ng/ul

response 0

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



Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:59:35 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

Response via : Initial Calibration

Instrument :

BNA\_E

ClientSampleId :

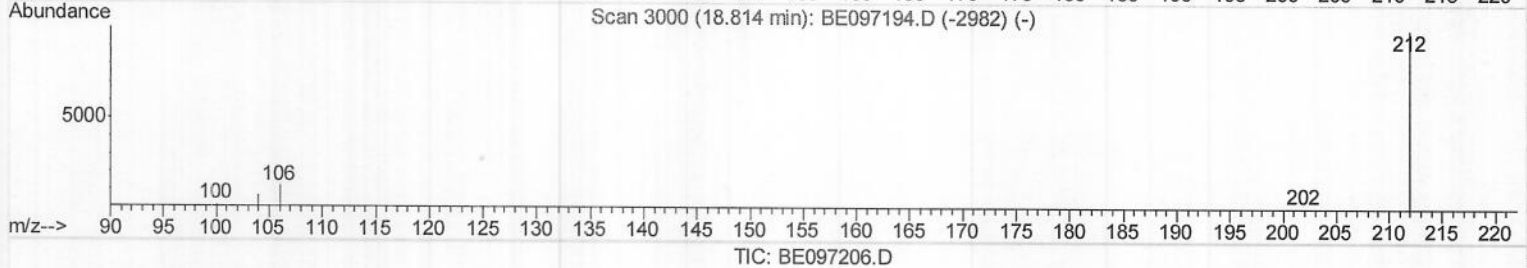
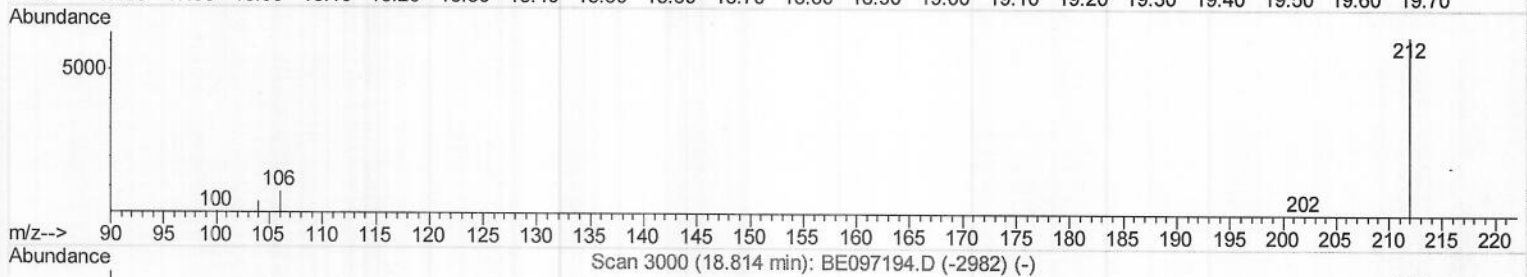
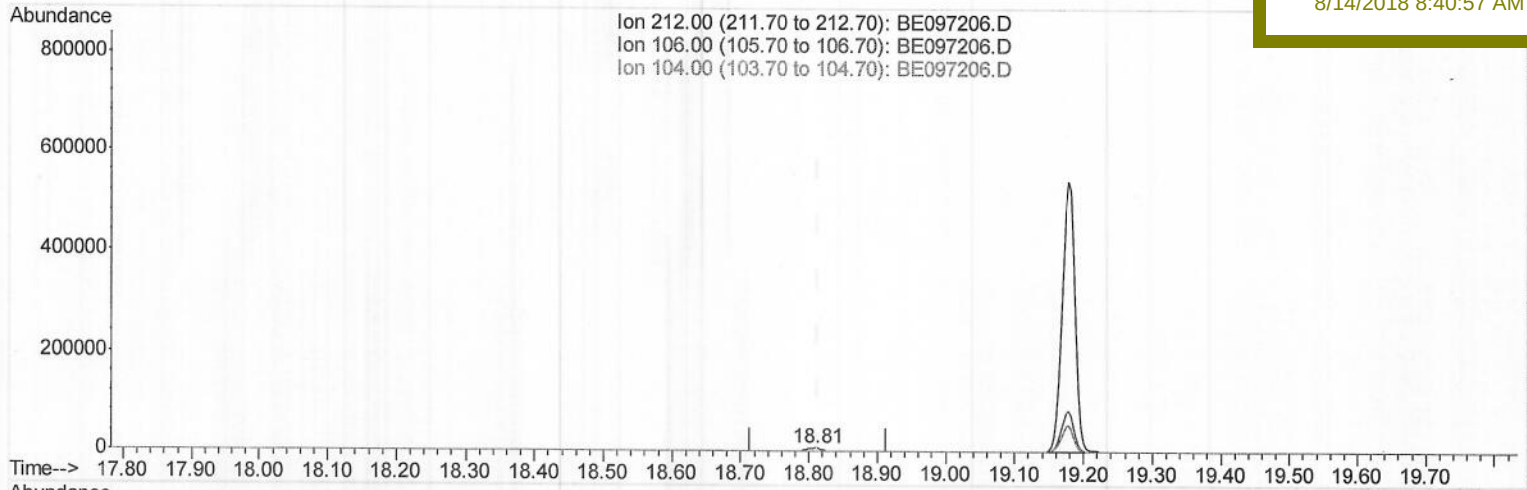
JJ1J8

Manual Integrations

APPROVED

Sohil

8/14/2018 8:40:57 AM



(14) Fluoranthene-d10 (SURR)

18.810min (-0.003) 0.24ng/ul m &gt; 558/14/18

response 8614

| 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:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:59:35 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

Response via : Initial Calibration

Instrument :

BNA\_E

ClientSampleId :

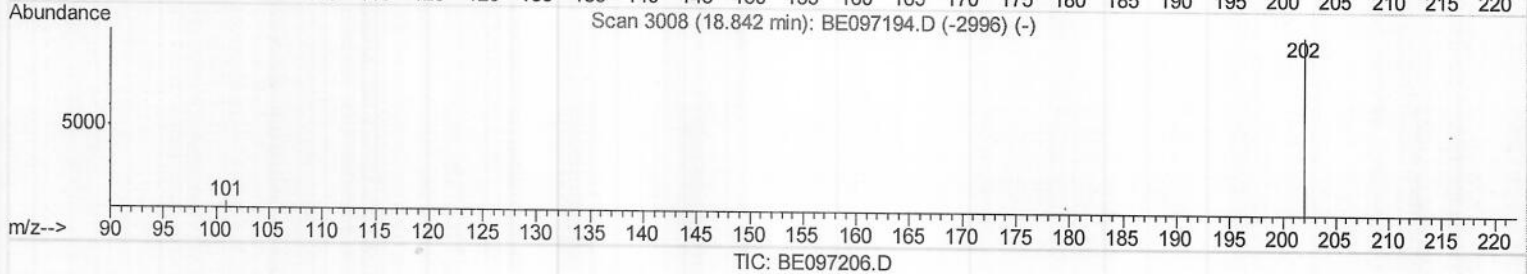
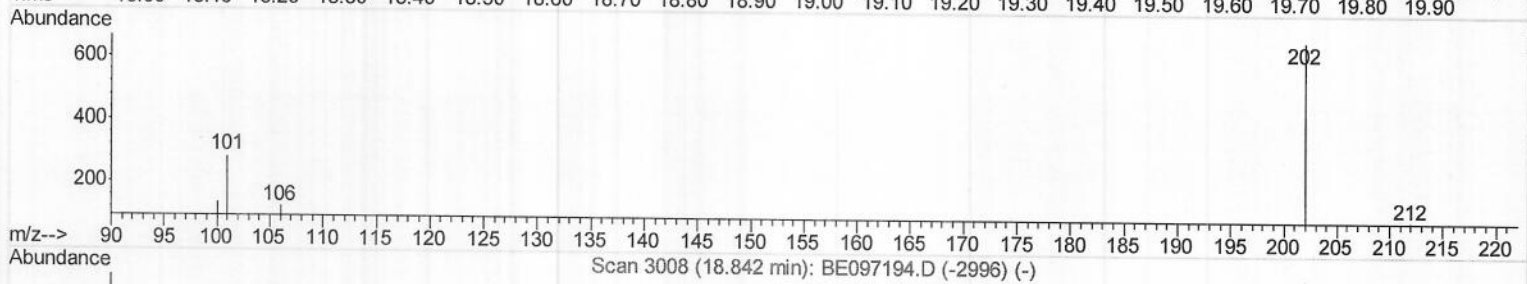
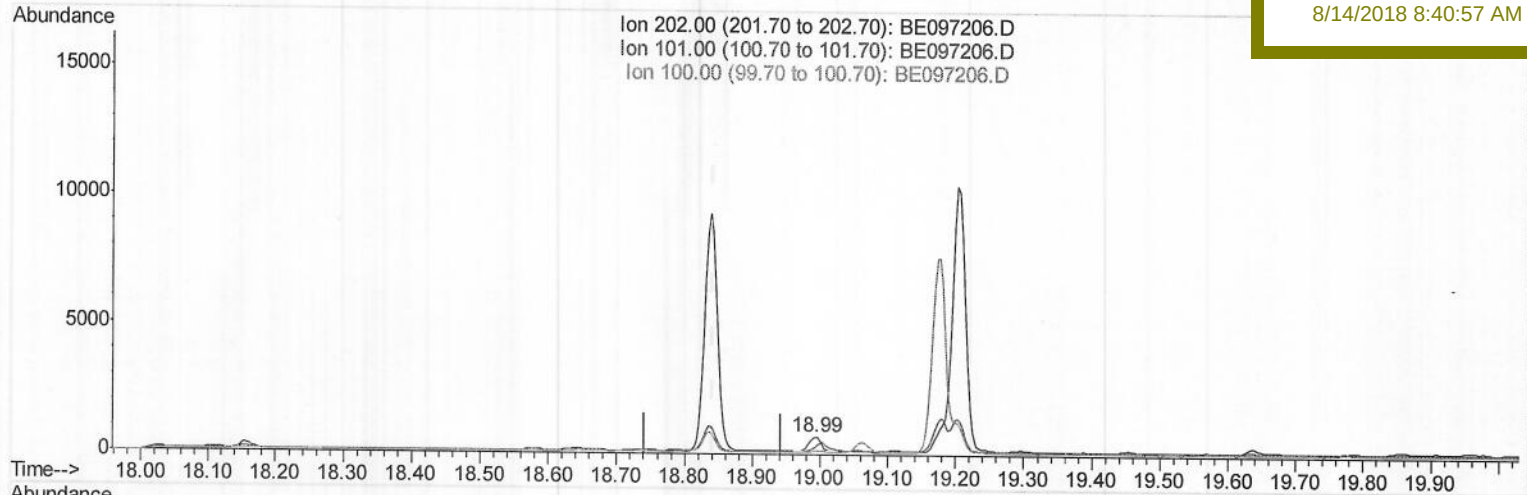
JJ1J8

Manual Integrations

APPROVED

Sohil

8/14/2018 8:40:57 AM



(15) Fluoranthene (C)

18.992min (+0.150) 0.02ng/ul

response 709

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 202.00 | 100   | 100    |
| 101.00 | 10.30 | 42.07# |
| 100.00 | 19.50 | 20.36  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

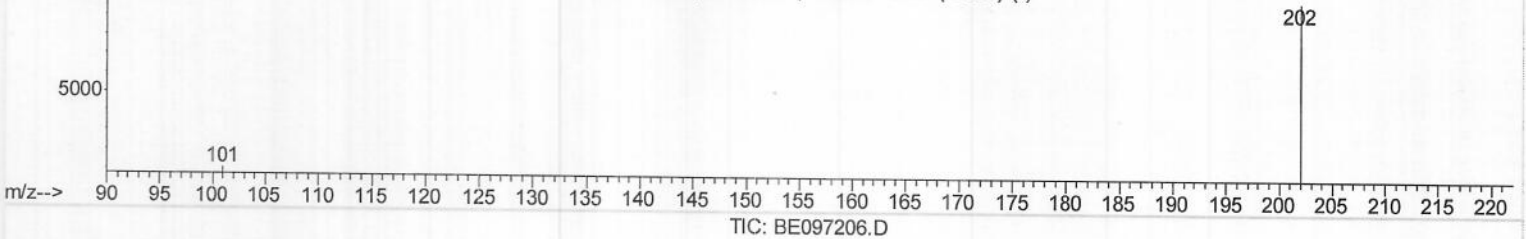
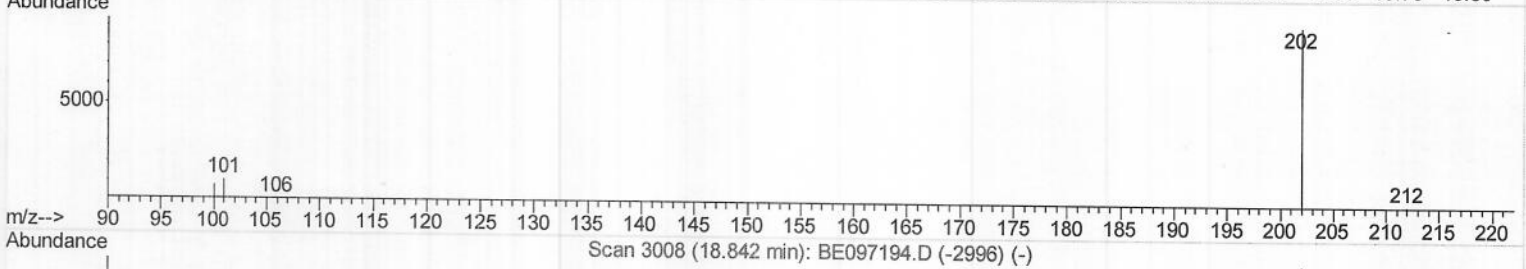
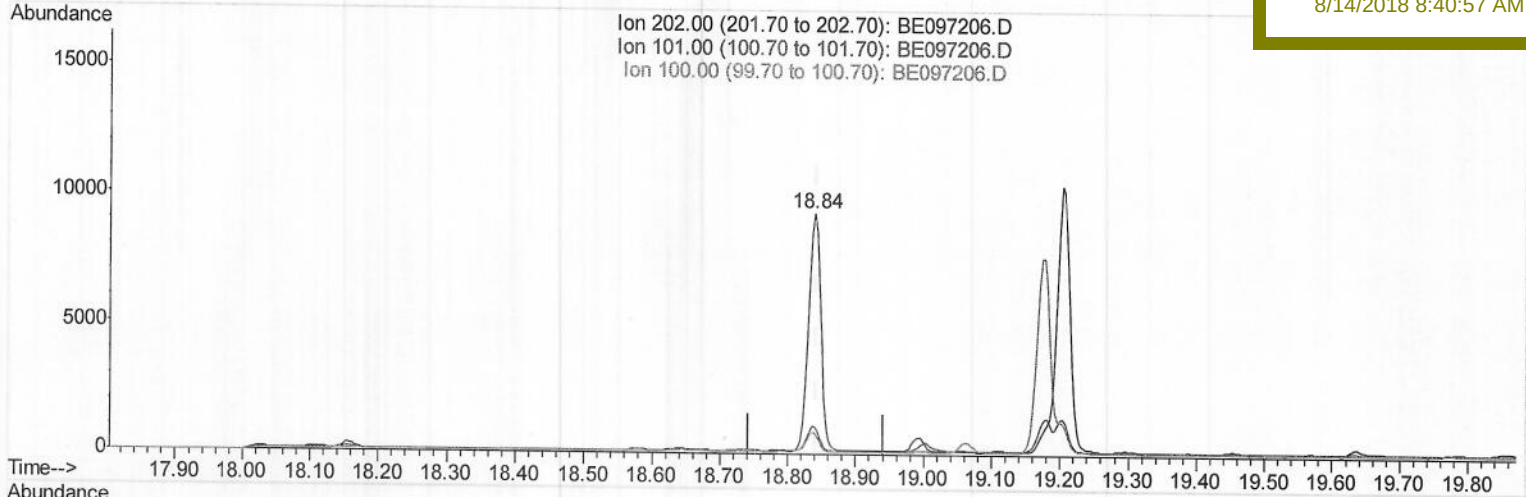
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
 Data File : BE097206.D  
 Acq On : 4 Aug 2018 17:58  
 Operator : SJ/JU  
 Sample : J4206-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:59:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 14 04:57:25 2018  
 Response via : Initial Calibration

Instrument :  
 BNA\_E  
 ClientSampleId :  
 JJ1J8

Manual Integrations  
 APPROVED

Sohil  
 8/14/2018 8:40:57 AM



(15) Fluoranthene (C)

18.839min (-0.003) 0.34ng/ul m ) SJ 8/14/18

response 11881

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 10.30 | 11.40 |
| 100.00 | 19.50 | 8.78  |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:59:35 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

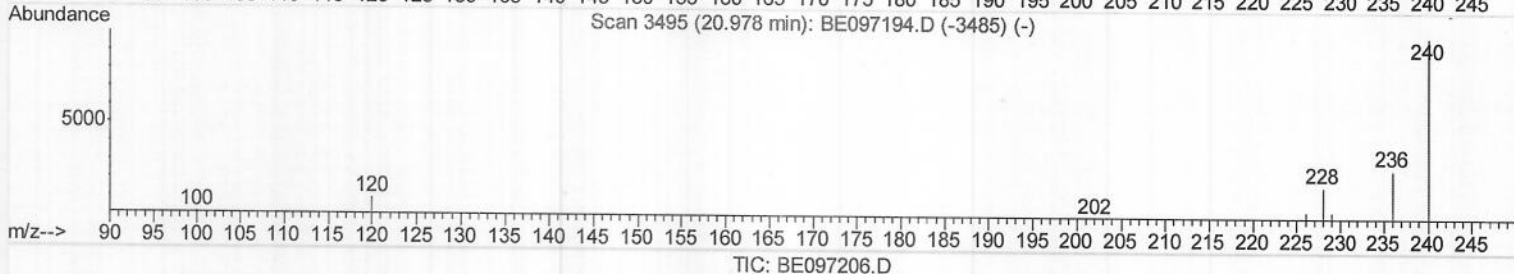
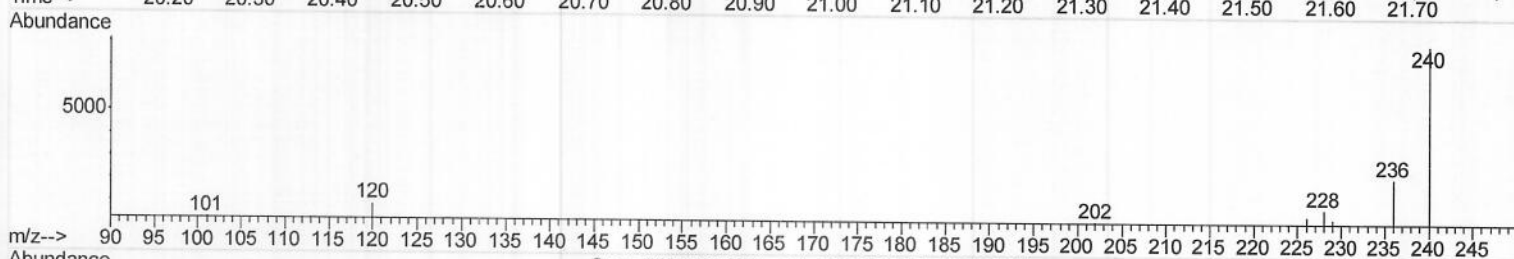
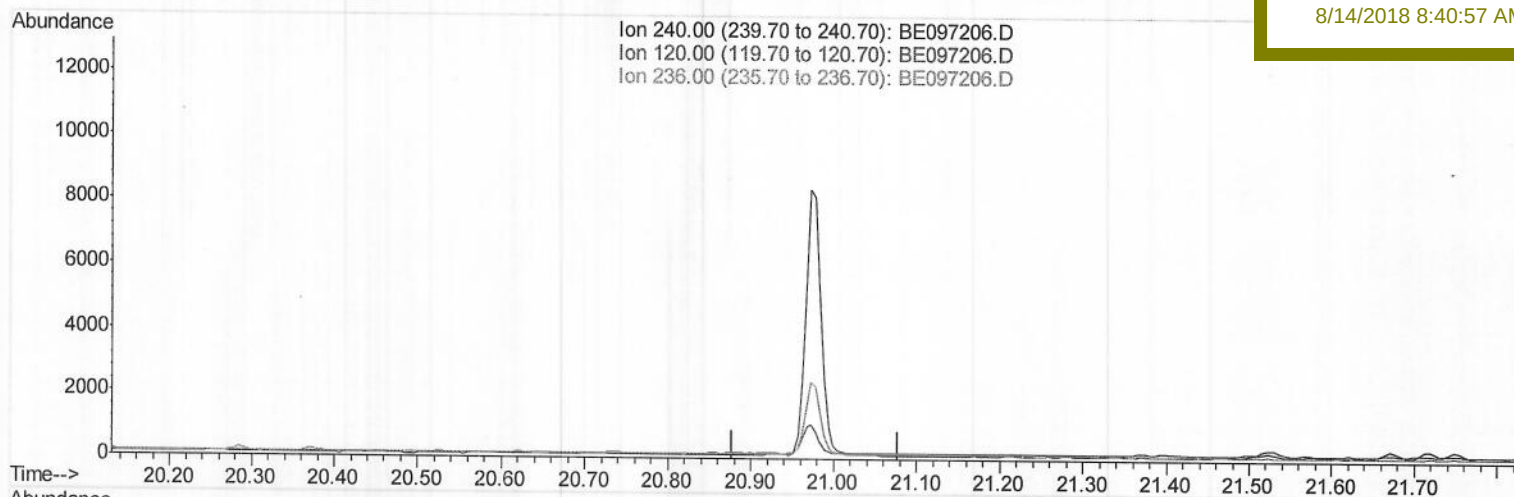
Response via : Initial Calibration

Instrument :

BNA\_E

ClientSampleId :

JJ1J8

Manual Integrations  
APPROVEDSohil  
8/14/2018 8:40:57 AM

(16) Chrysene-d12 (I)

20.978min (-20.978) 0.00ng/ul

response 0

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

Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 04:59:35 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

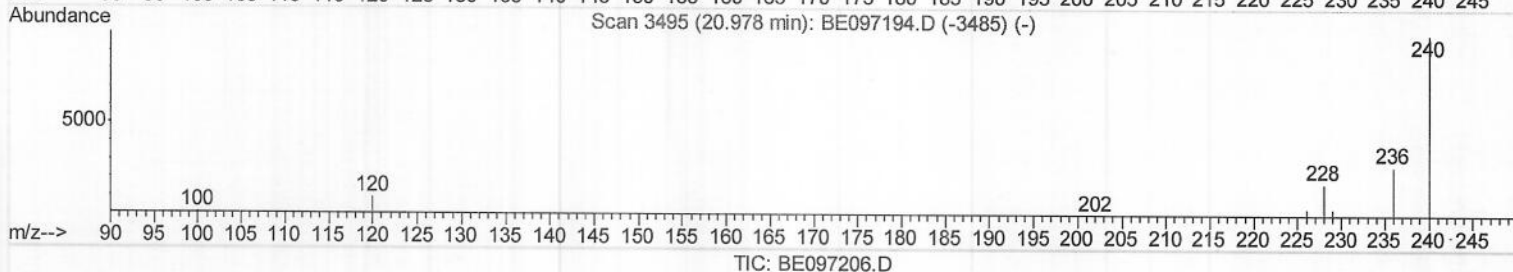
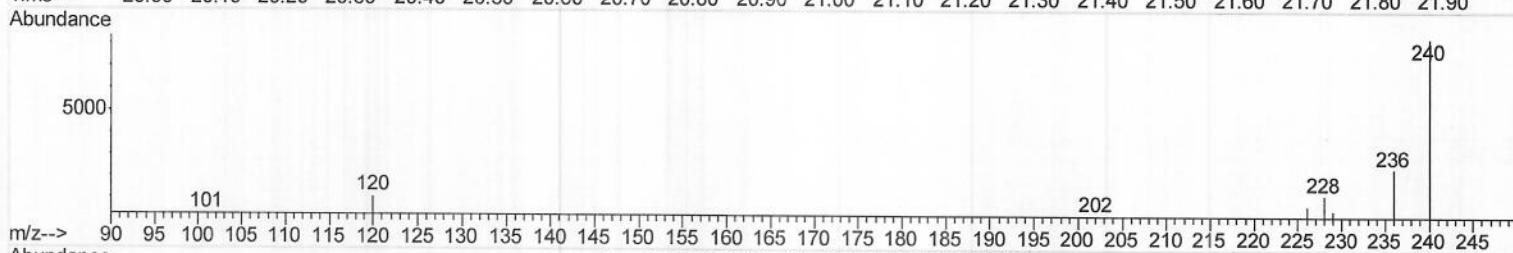
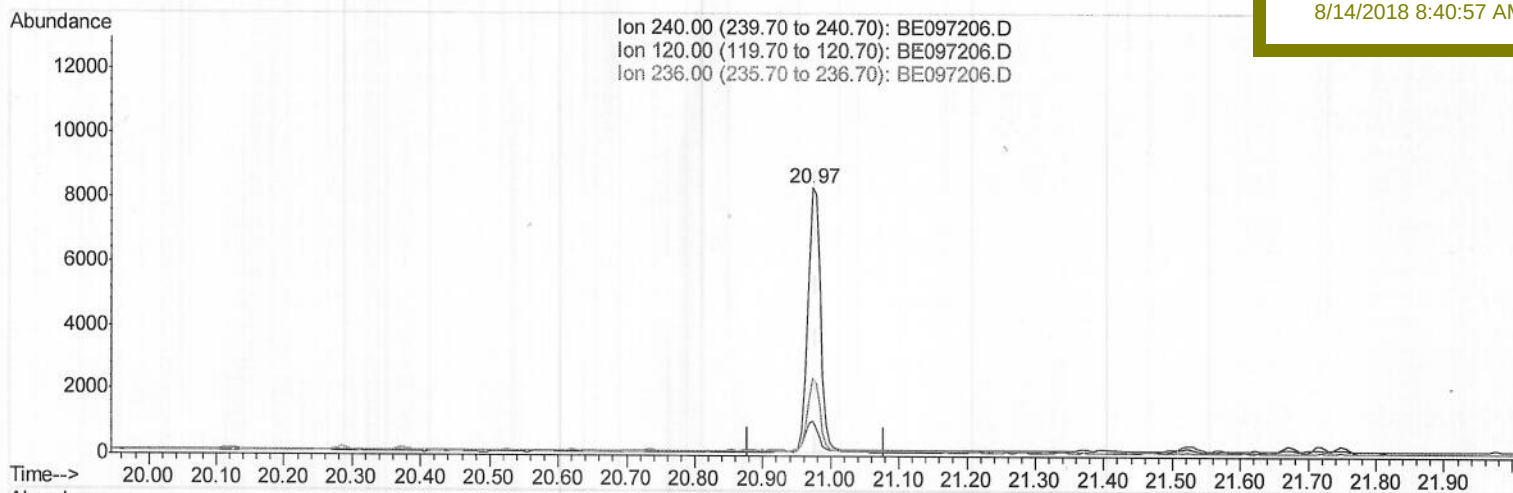
Response via : Initial Calibration

Instrument :

BNA\_E

ClientSampleId :

JJ1J8

Manual Integrations  
APPROVEDSohil  
8/14/2018 8:40:57 AM

(16) Chrysene-d12 (I)

20.973min (-0.005) 0.40ng/ul m ) 558114118

response 10637

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 20.60 | 12.55# |
| 236.00 | 34.90 | 28.83  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 05:00:43 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

Response via : Initial Calibration

Instrument :

BNA\_E

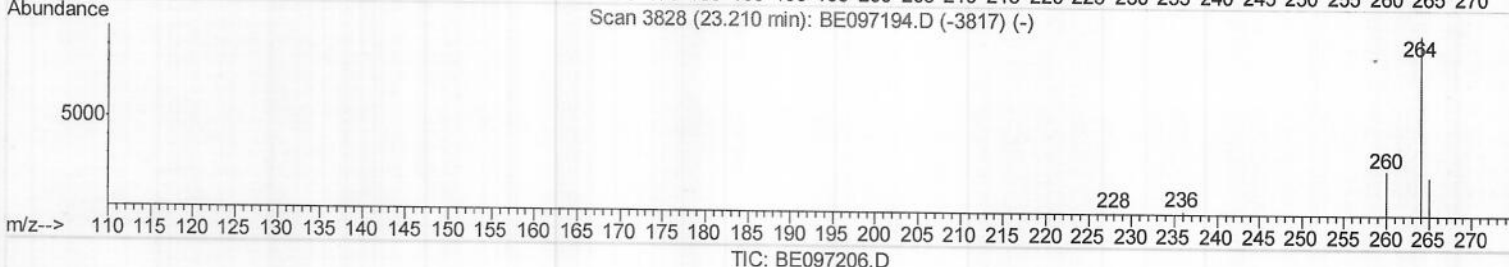
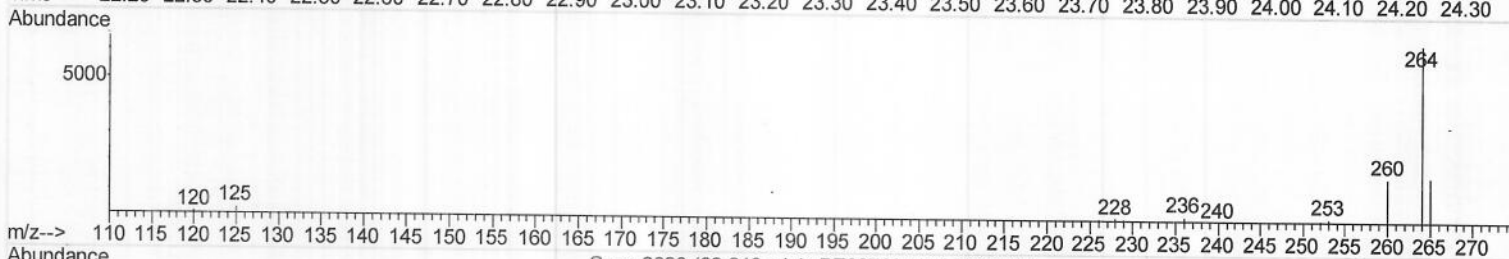
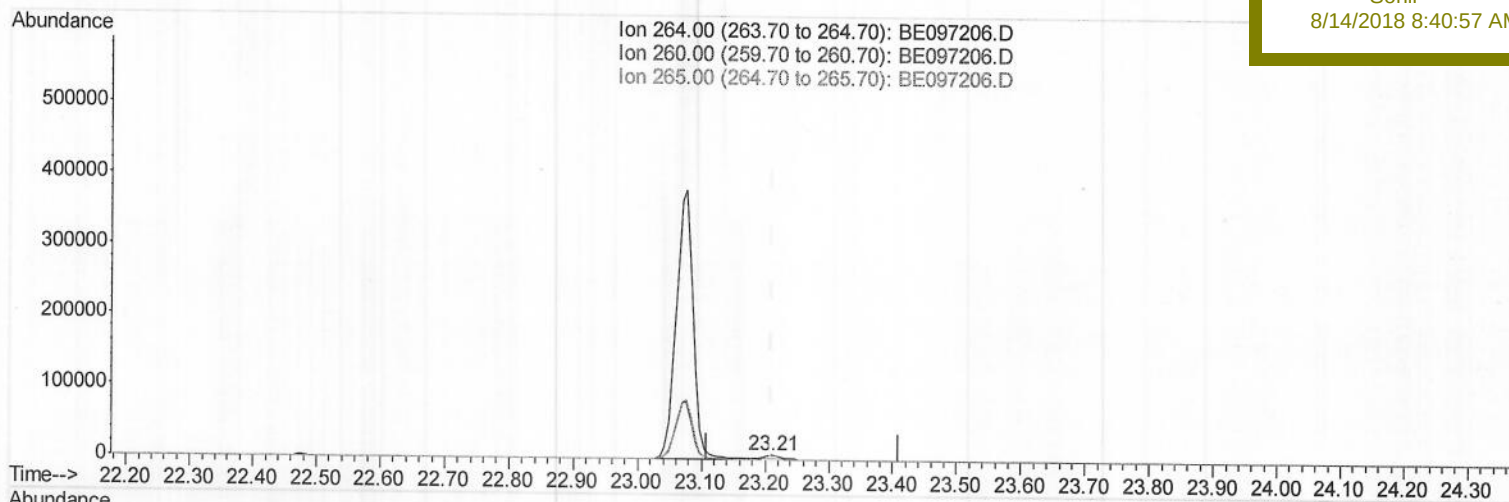
ClientSampleId :

JJ1J8

Manual Integrations  
APPROVED

Sohil

8/14/2018 8:40:57 AM



(20) Perylene-d12 (I)

23.210min (+0.000) 0.40ng/ul

response 14018

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 25.44  |
| 265.00 | 103.50 | 26.17# |
| 0.00   | 0.00   | 0.00   |



Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 05:00:43 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

Response via : Initial Calibration

Instrument :

BNA\_E

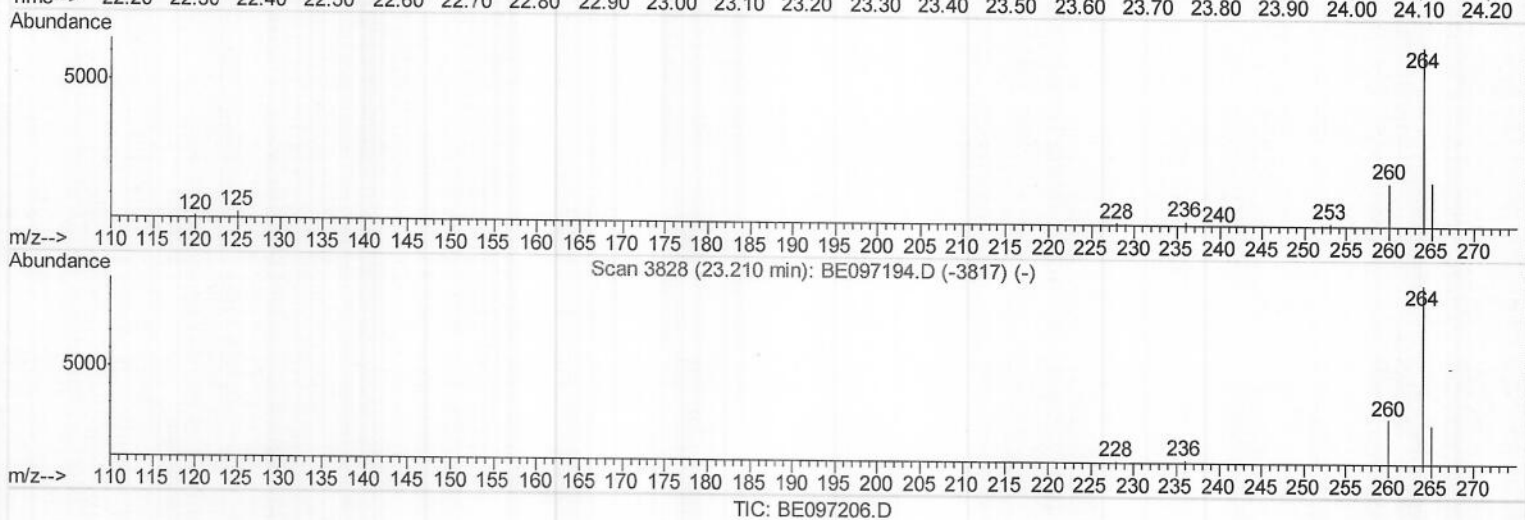
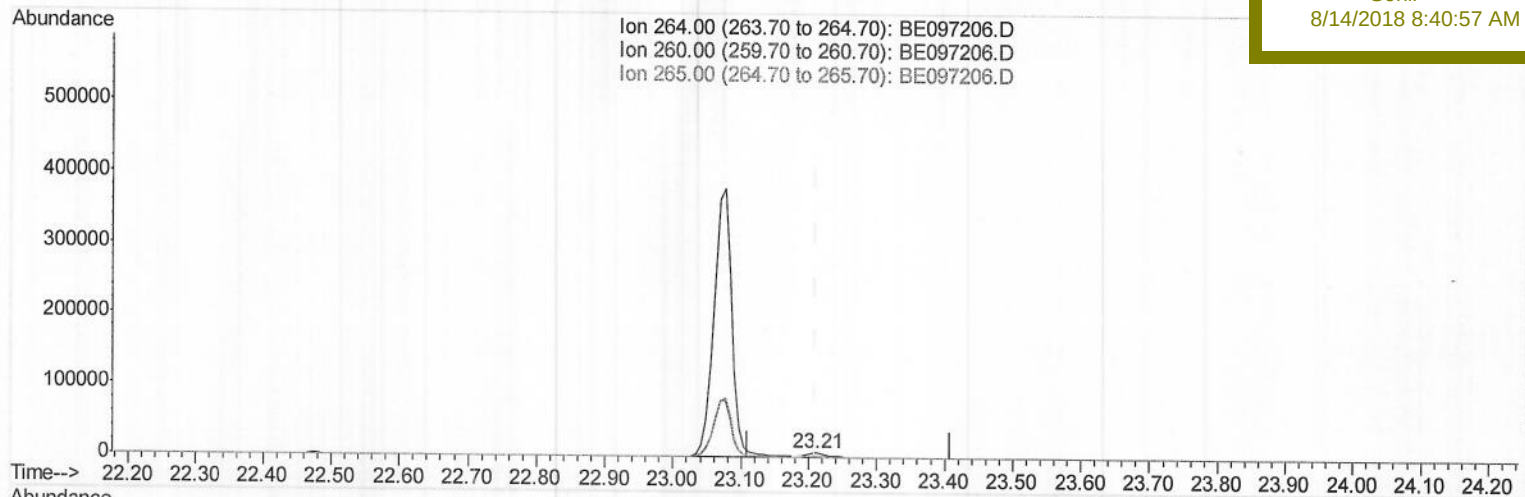
ClientSampleId :

JJ1J8

Manual Integrations  
APPROVED

Sohil

8/14/2018 8:40:57 AM



(20) Perylene-d12 (I)

23.210min (+0.000) 0.40ng/ul m ) SJ 8/14/18

response 10324

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 25.44  |
| 265.00 | 103.50 | 26.17# |
| 0.00   | 0.00   | 0.00   |

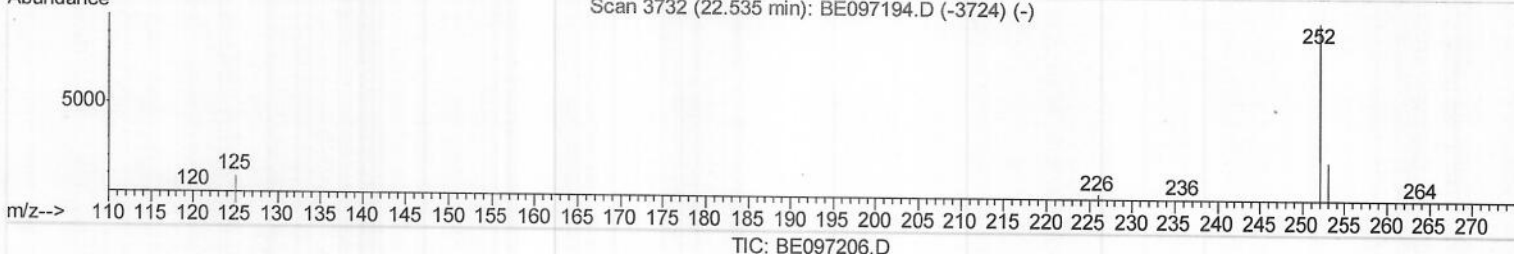
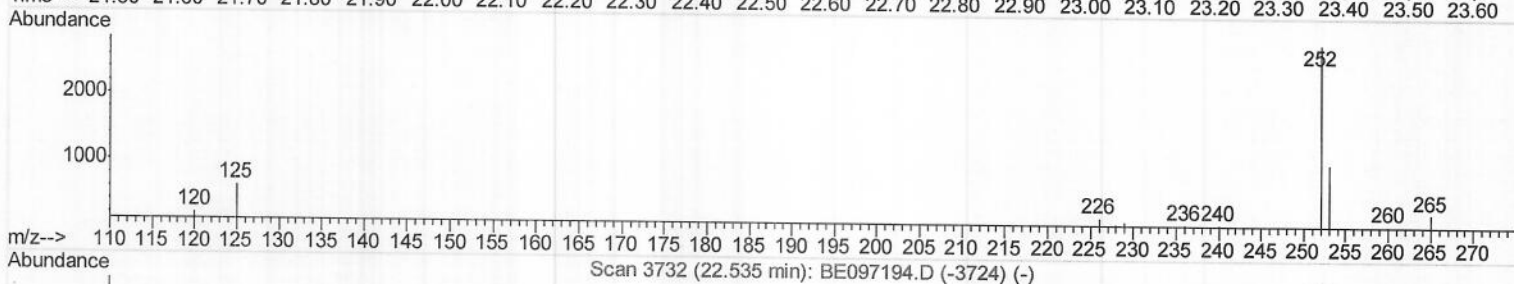
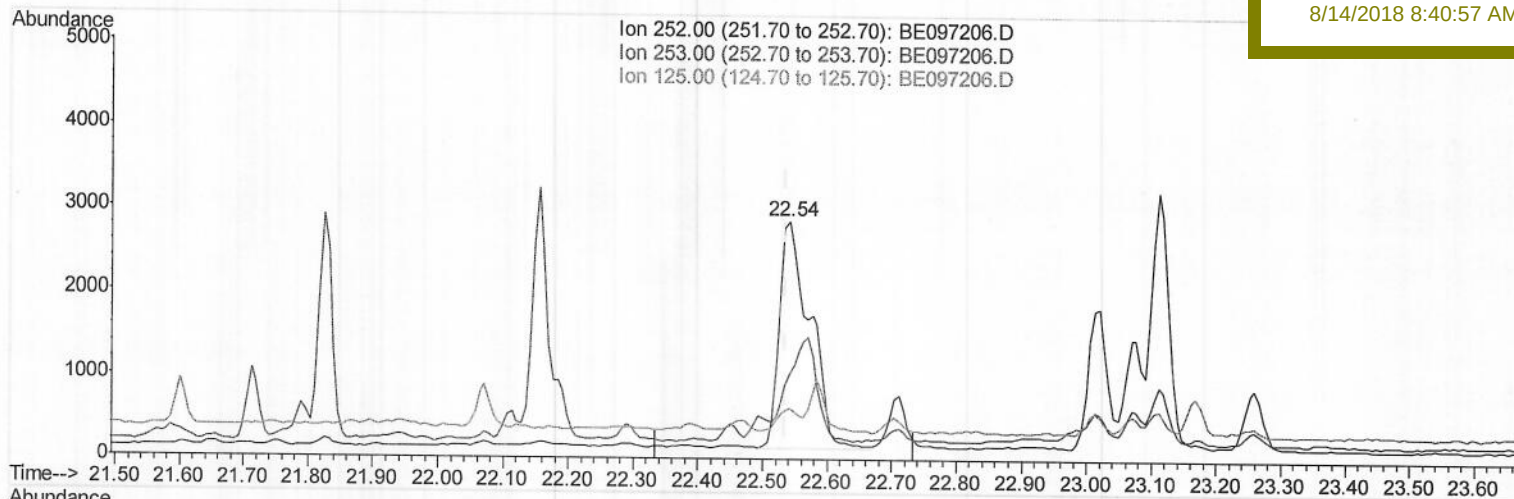
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
Data File : BE097206.D  
Acq On : 4 Aug 2018 17:58  
Operator : SJ/JU  
Sample : J4206-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 05:01:46 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 14 04:57:25 2018  
Response via : Initial Calibration

Instrument :  
BNA\_E  
ClientSampleId :  
JJ1J8

Manual Integrations  
APPROVED

Sohil  
8/14/2018 8:40:57 AM



(21) Benzo(b)fluoranthene

22.542min (+0.007) 0.32ng/ul

response 8985

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 36.74 |
| 125.00 | 17.50 | 21.44 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 05:01:46 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

Response via : Initial Calibration

Instrument :

BNA\_E

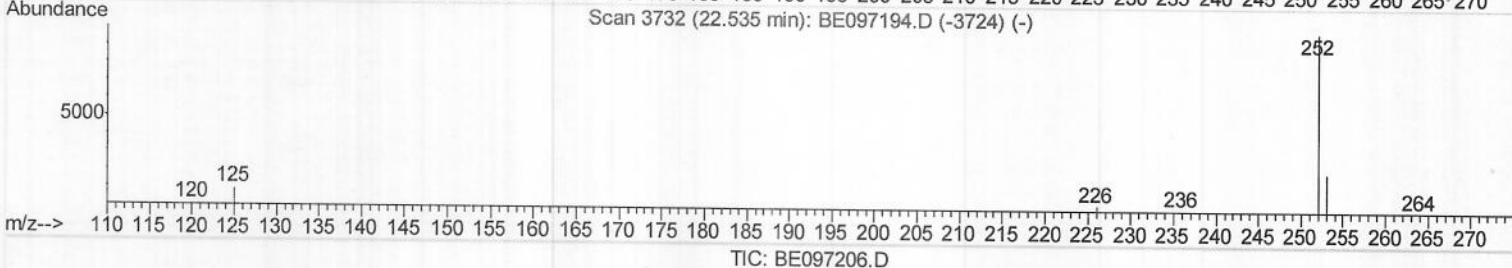
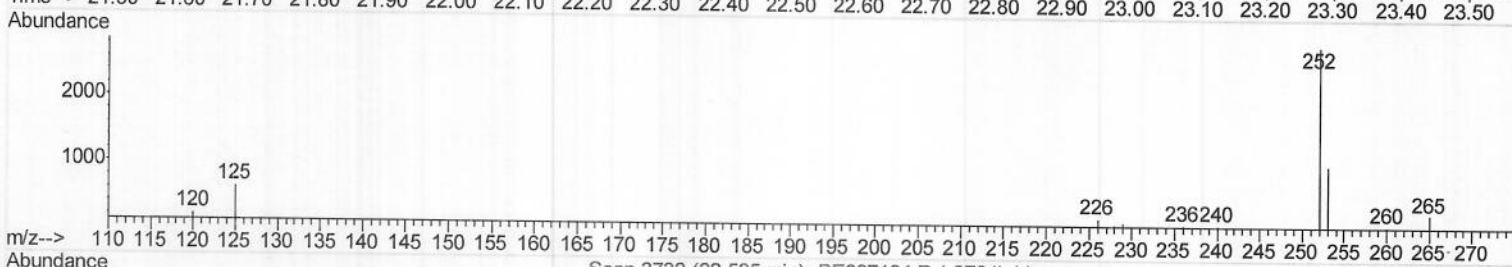
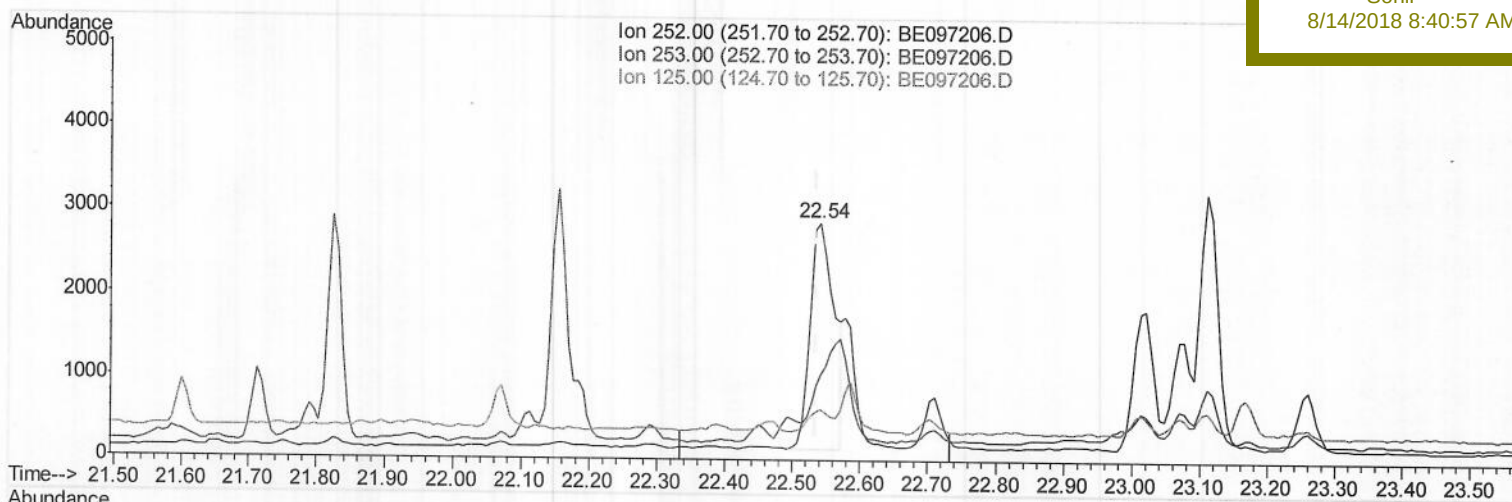
Client Sampled :

JJ1J8

Manual Integrations  
APPROVED

Sohil

8/14/2018 8:40:57 AM



(21) Benzo(b)fluoranthene

22.542min (+0.007) 0.24ng/ul m) SJ 8/14/18

response 6853

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 36.74 |
| 125.00 | 17.50 | 21.44 |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\

Data File : BE097206.D

Acq On : 4 Aug 2018 17:58

Operator : SJ/JU

Sample : J4206-04

Misc :

ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 05:01:46 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 14 04:57:25 2018

Response via : Initial Calibration

Instrument :

BNA\_E

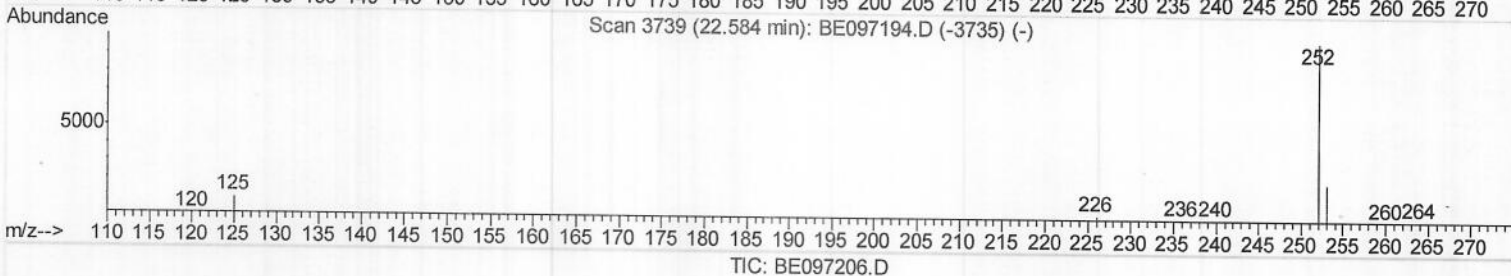
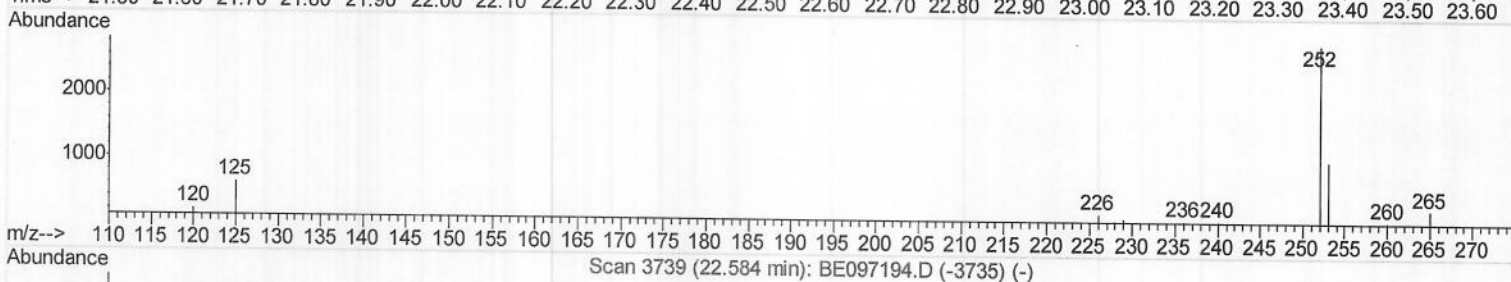
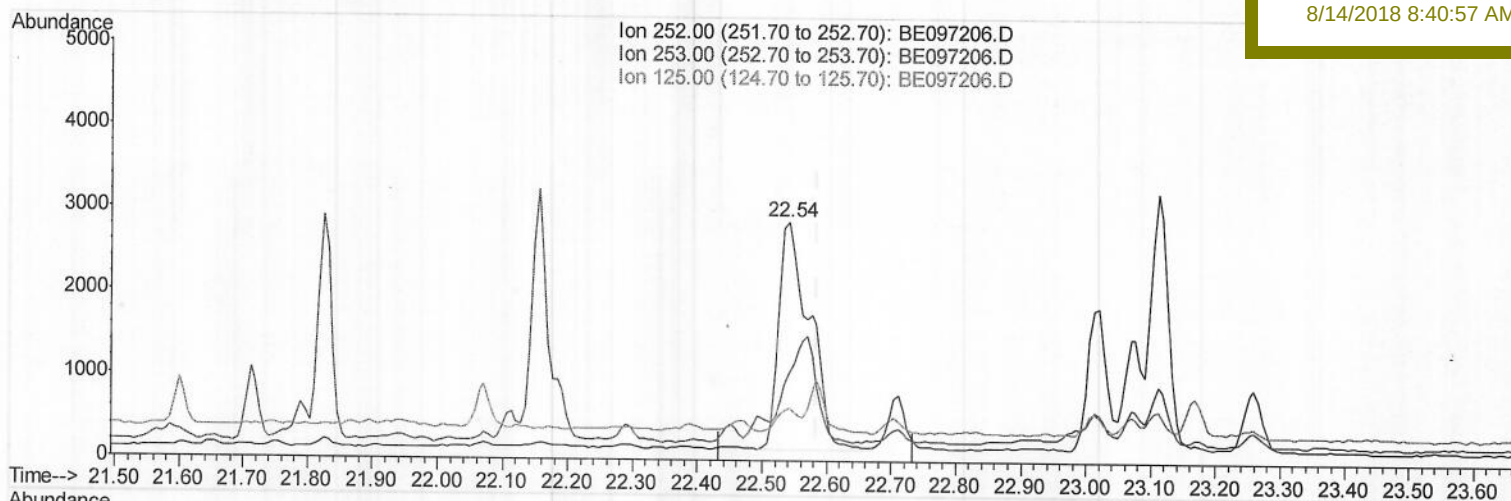
ClientSampleId :

JJ1J8

Manual Integrations  
APPROVED

Sohil

8/14/2018 8:40:57 AM



(22) Benzo(k)fluoranthene

22.542min (-0.042) 0.30ng/ul

response 8985

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 36.74# |
| 125.00 | 17.10 | 21.44# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

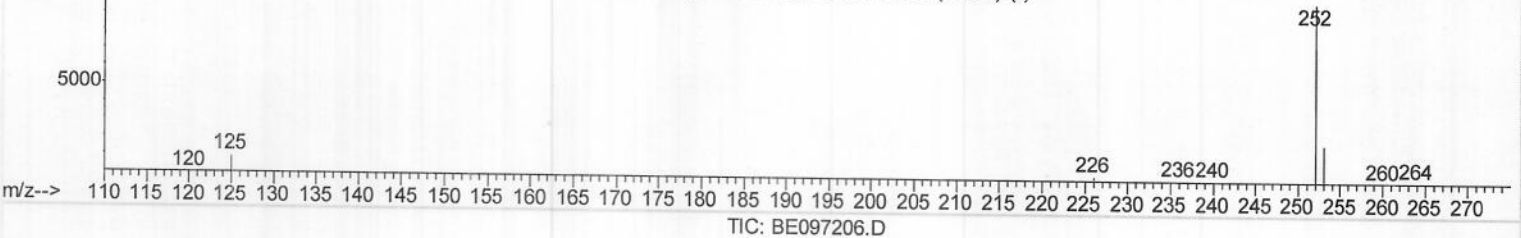
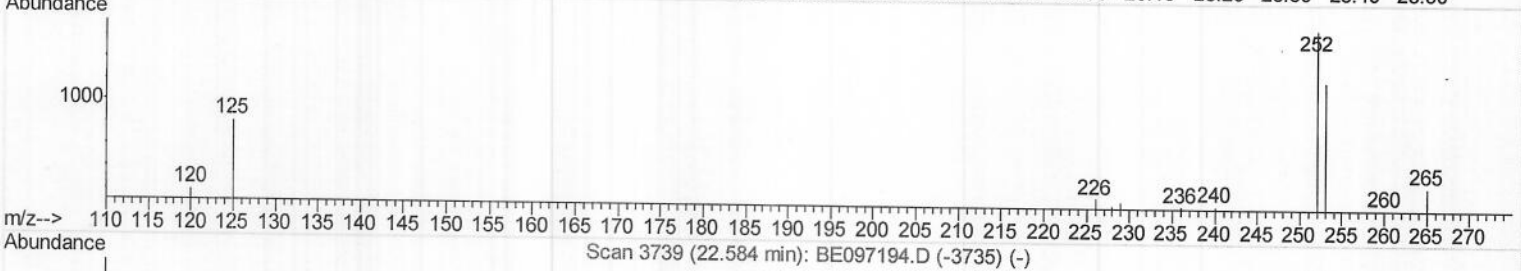
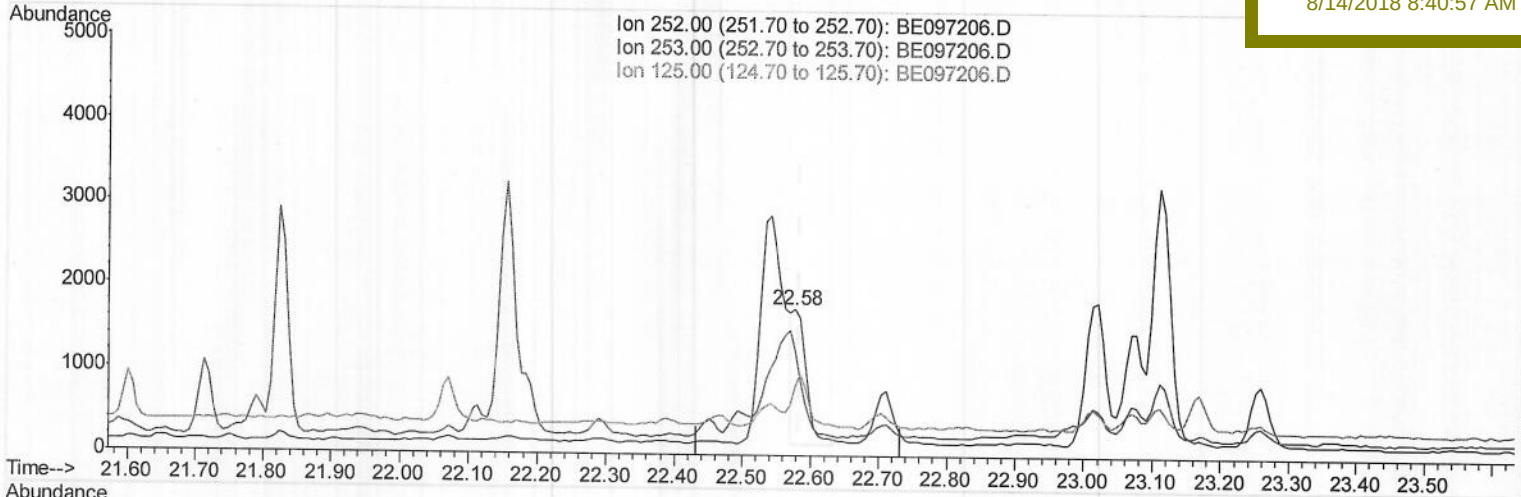
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
 Data File : BE097206.D  
 Acq On : 4 Aug 2018 17:58  
 Operator : SJ/JU  
 Sample : J4206-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 14 05:01:46 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 14 04:57:25 2018  
 Response via : Initial Calibration

Instrument :  
 BNA\_E  
 ClientSampleId :  
 JJ1J8

Manual Integrations  
 APPROVED

Sohil  
 8/14/2018 8:40:57 AM



(22) Benzo(k)fluoranthene

22.577min (-0.007) 0.07ng/ul m ) 55814118

response 2166

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 71.98# |
| 125.00 | 17.10 | 47.37# |
| 0.00   | 0.00  | 0.00   |



Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE080418\  
 Data File : BE097206.D  
 Acq On : 4 Aug 2018 17:58  
 Operator : SJ/JU  
 Sample : J4206-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 JJ1J8

Quant Time: Aug 14 05:02:33 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 14 04:57:25 2018  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Sohil  
 8/14/2018 8:40:57 AM

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.39  | 152  | 1333     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.13 | 136  | 7059     | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.02 | 164  | 4498     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.77 | 188  | 10487m)  | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 20.97 | 240  | 10637m)  | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.21 | 264  | 10324m)  | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.73 | 152  | 2995     | 0.26  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.81 | 212  | 8614m)   | 0.24  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 10.18 | 128  | 728      | 0.043 | ng/ul# | 82       |
| 5) 2-Methylnaphthalene      | 11.80 | 142  | 466      | 0.041 | ng/ul  | 96       |
| 7) Acenaphthylene           | 13.73 | 152  | 690      | 0.035 | ng/ul# | 78       |
| 8) Acenaphthene             | 14.08 | 153  | 295      | 0.021 | ng/ul# | 90       |
| 9) Fluorene                 | 15.08 | 166  | 659      | 0.041 | ng/ul# | 87       |
| 12) Phenanthrene            | 16.81 | 178  | 9149m)   | 0.342 | ng/ul  |          |
| 13) Anthracene              | 16.90 | 178  | 1492m)   | 0.060 | ng/ul  |          |
| 15) Fluoranthene            | 18.84 | 202  | 11881m)  | 0.336 | ng/ul  |          |
| 17) Pyrene                  | 19.20 | 202  | 14434    | 0.506 | ng/ul# | 82       |
| 18) Benzo(a)anthracene      | 20.96 | 228  | 5152     | 0.169 | ng/ul# | 85       |
| 19) Chrysene                | 21.01 | 228  | 6243     | 0.199 | ng/ul  | 94       |
| 21) Benzo(b)fluoranthene    | 22.54 | 252  | 6853m)   | 0.244 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.58 | 252  | 2166m)   | 0.071 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.11 | 252  | 5507     | 0.196 | ng/ul# | 89       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.50 | 276  | 3479     | 0.099 | ng/ul# | 75       |
| 25) Dibenzo(a,h)anthracene  | 25.52 | 278  | 814      | 0.028 | ng/ul# | 45       |
| 26) Benzo(a,h,i)perylene    | 26.21 | 276  | 3680     | 0.121 | ng/ul  | 93       |

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

SJ8/4/18