

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:20:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA\_N

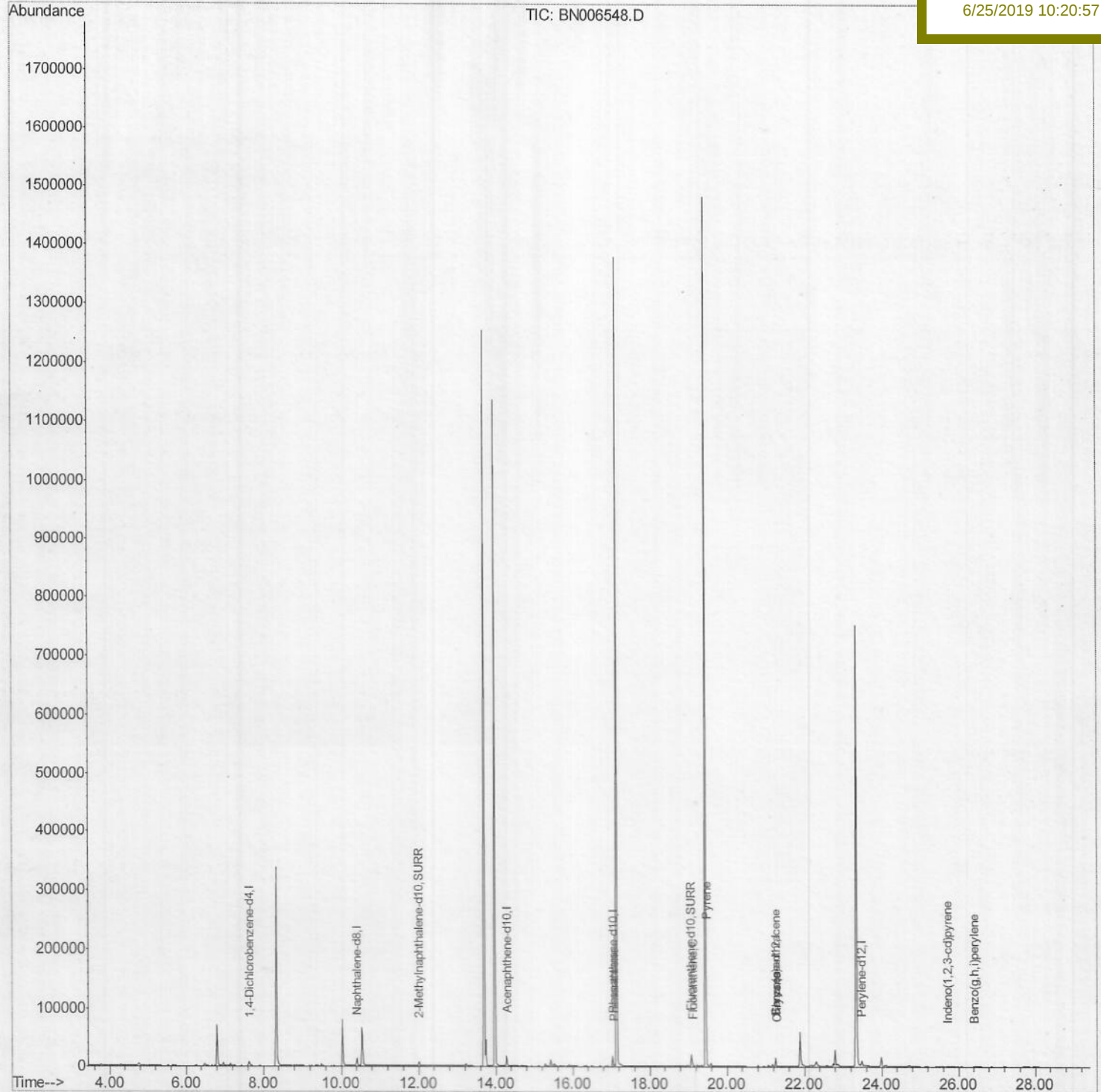
ClientSampleId :

A4208

Manual Integrations  
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mohammad

6/25/2019 10:20:57 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:09:57 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

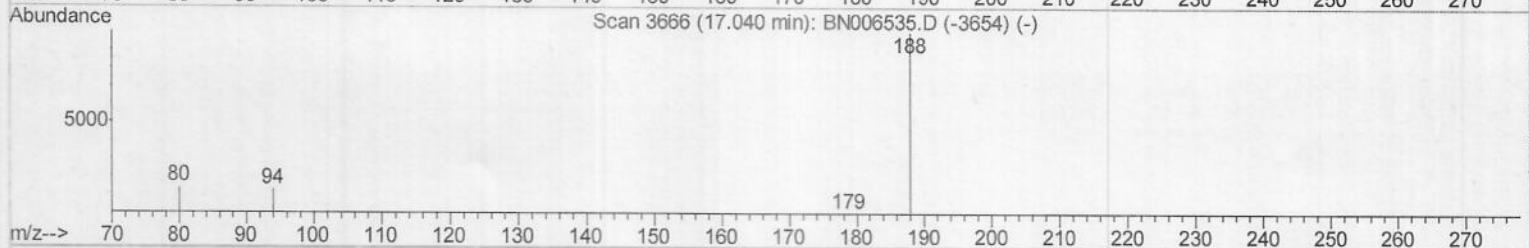
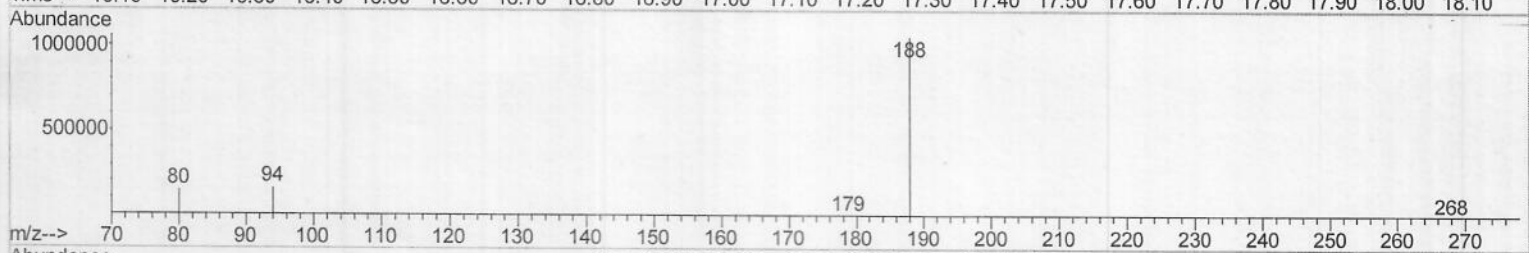
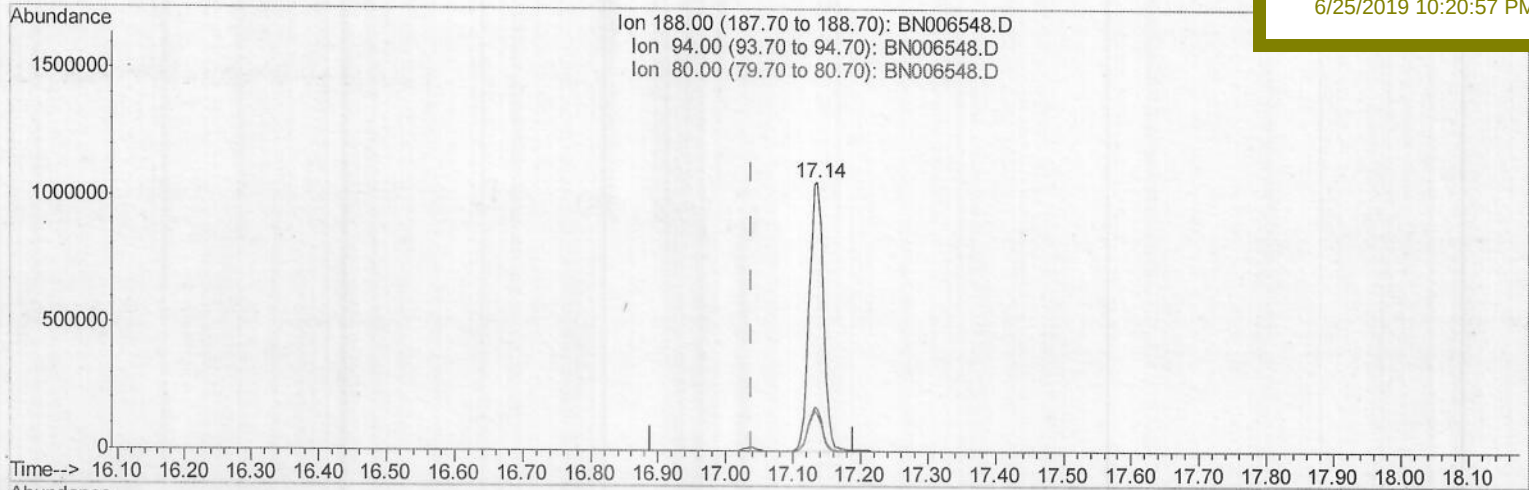
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4208

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TIC: BN006548.D

(10) Phenanthrene-d10 (I)

17.137min (+0.097) 0.40ng/ul

response 1522316

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 13.00 | 15.33 |
| 80.00  | 13.60 | 13.86 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
Data File : BN006548.D  
Acq On : 25 Jun 2019 01:06  
Operator : HP/JU  
Sample : K3362-10  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

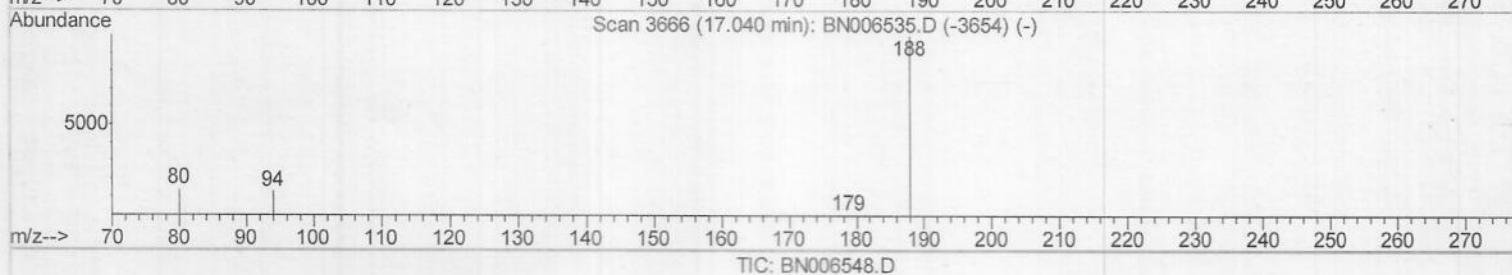
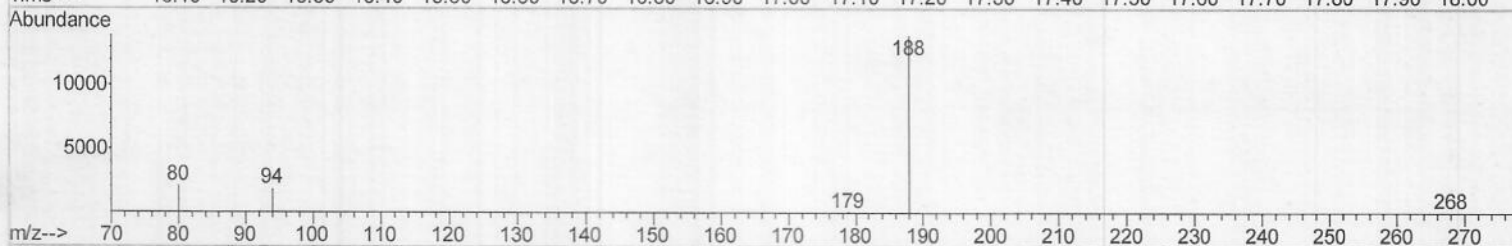
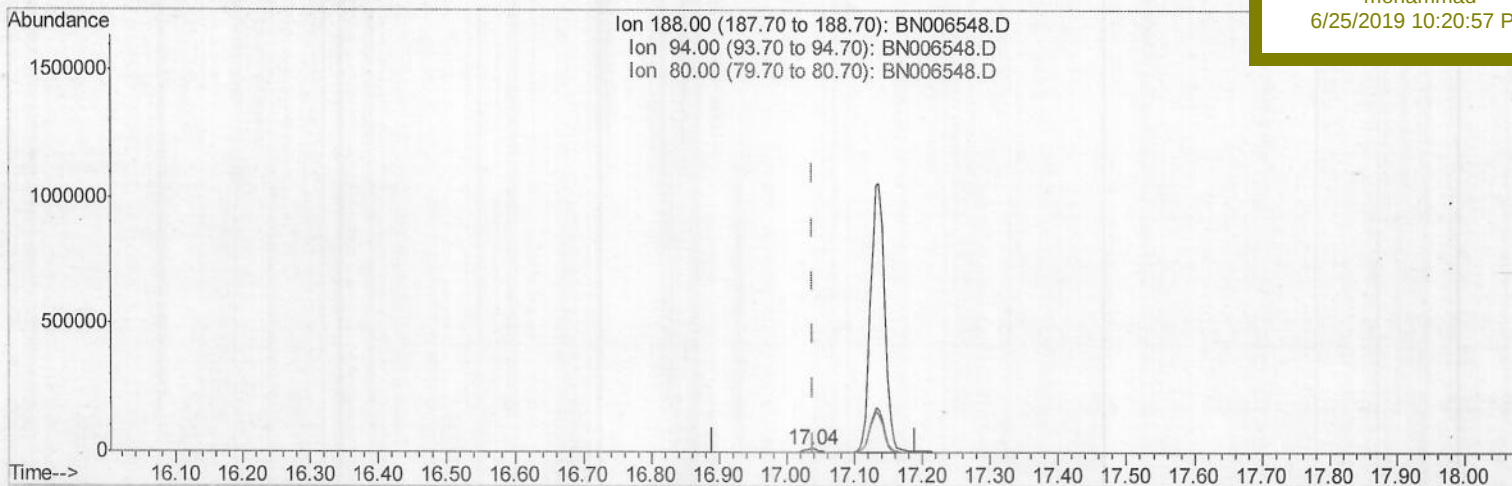
Quant Time: Jun 25 04:09:57 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 25 01:51:13 2019  
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4208

Manual Integrations  
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(10) Phenanthrene-d10 (I)

17.035min (-0.004) 0.40ng/ul m

response 20030

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 13.00 | 13.58 |
| 80.00  | 13.60 | 15.15 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:16:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

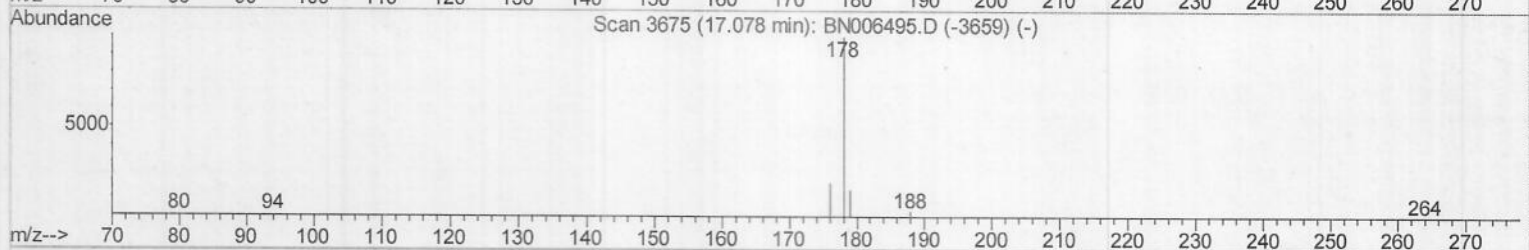
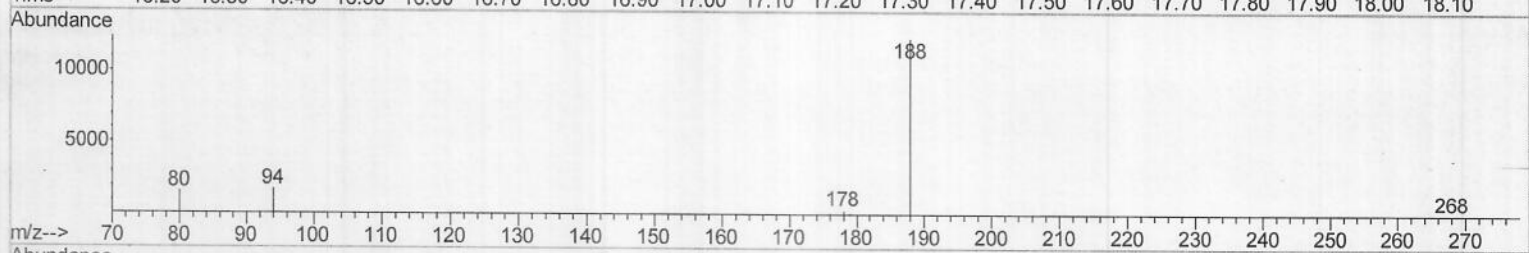
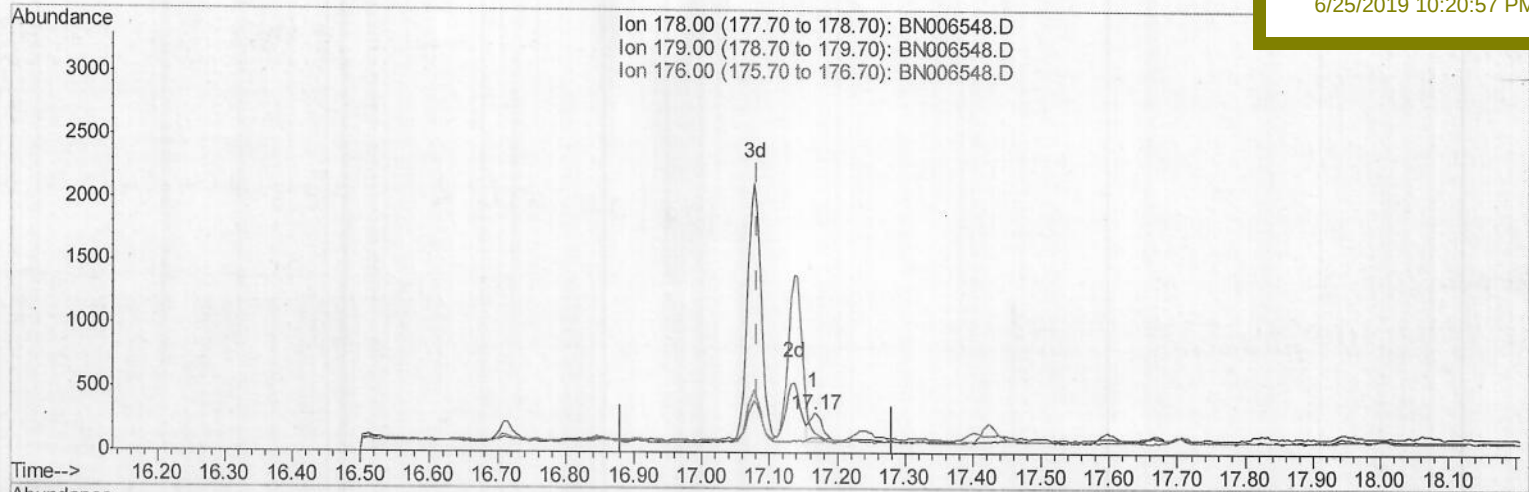
A4208

Manual Integrations

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TIC: BN006548.D

(12) Phenanthrene

17.166min (+0.084) 0.00ng/ul

response 308

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.40 | 50.00# |
| 176.00 | 19.10 | 39.22# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

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Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:16:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

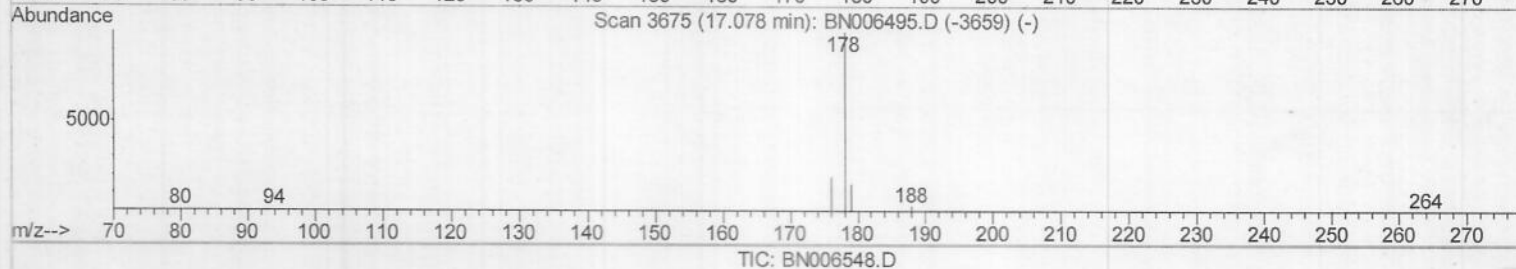
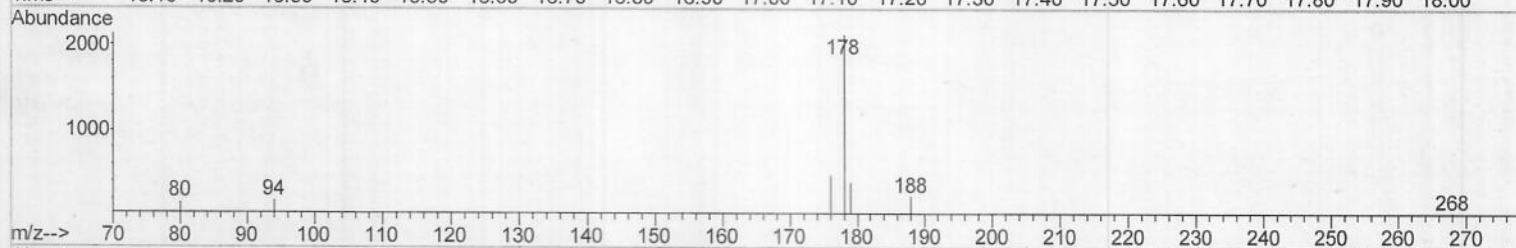
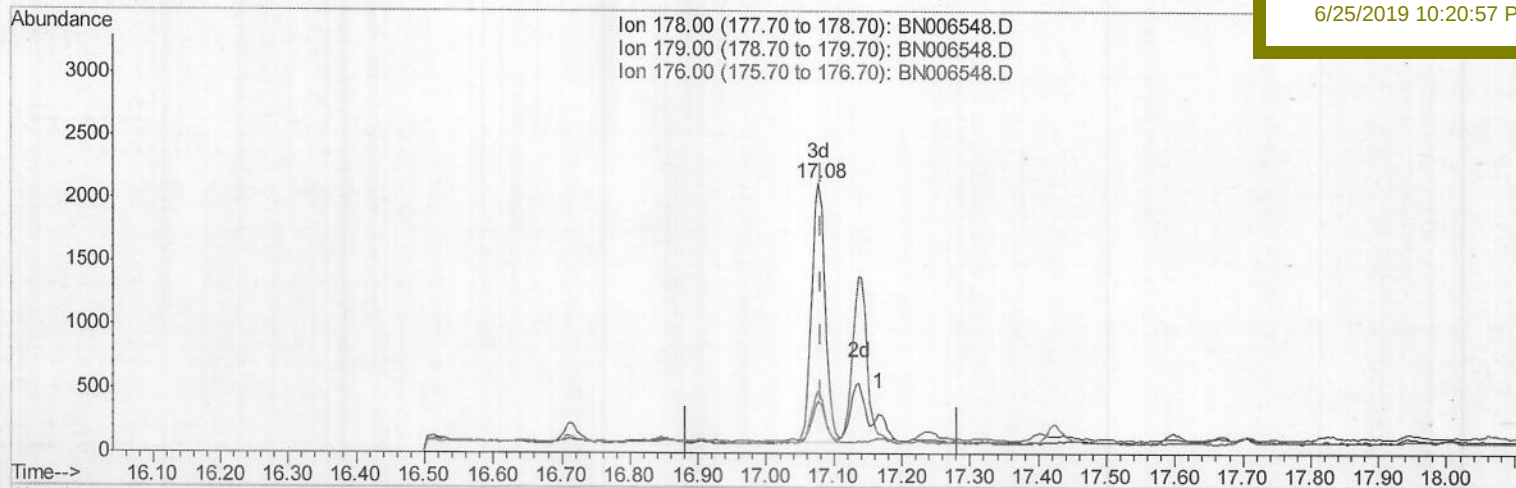
Response via : Initial Calibration

Instrument :

BNA\_N

Client Sampled :

A4208

Manual Integrations  
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(12) Phenanthrene

17.078min (-0.004) 0.04ng/ul m

response 2839

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.40 | 19.13# |
| 176.00 | 19.10 | 23.14# |
| 0.00   | 0.00  | 0.00   |

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## Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:16:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

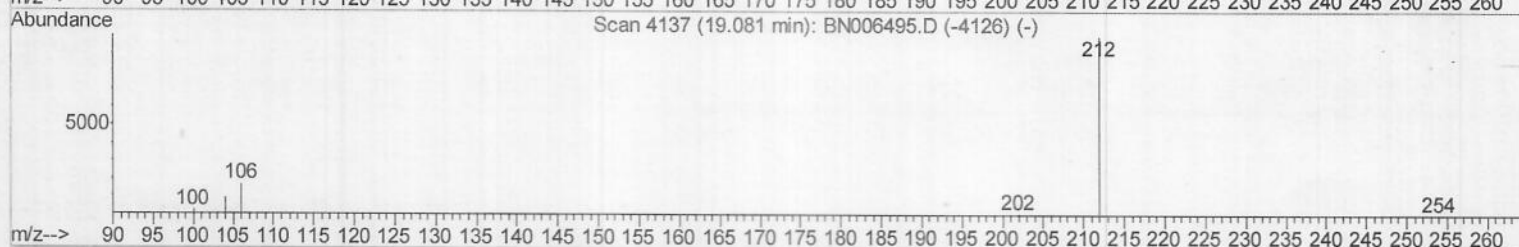
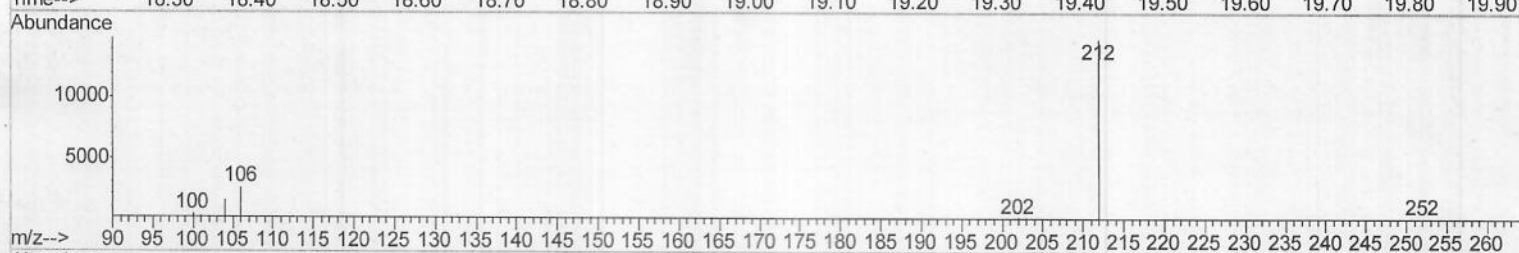
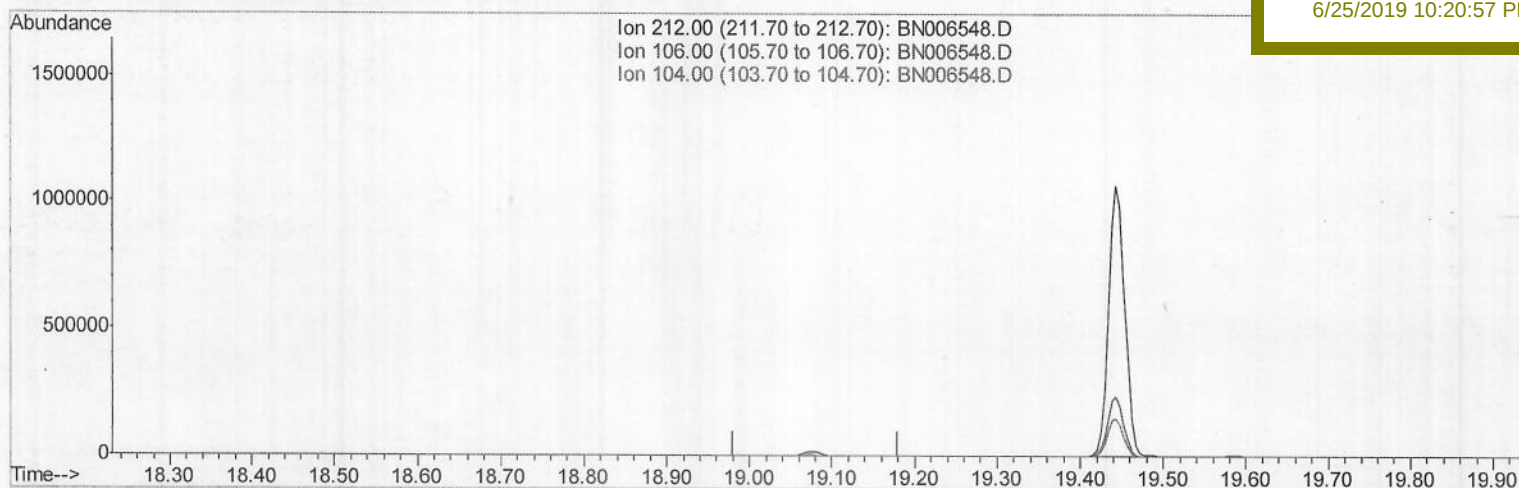
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4208

Manual Integrations  
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TIC: BN006548.D

(14) Fluoranthene-d10 (SURRE)

19.081min (-19.081) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 0.00  |
| 106.00 | 18.10 | 0.00# |
| 104.00 | 9.90  | 0.00# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:16:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

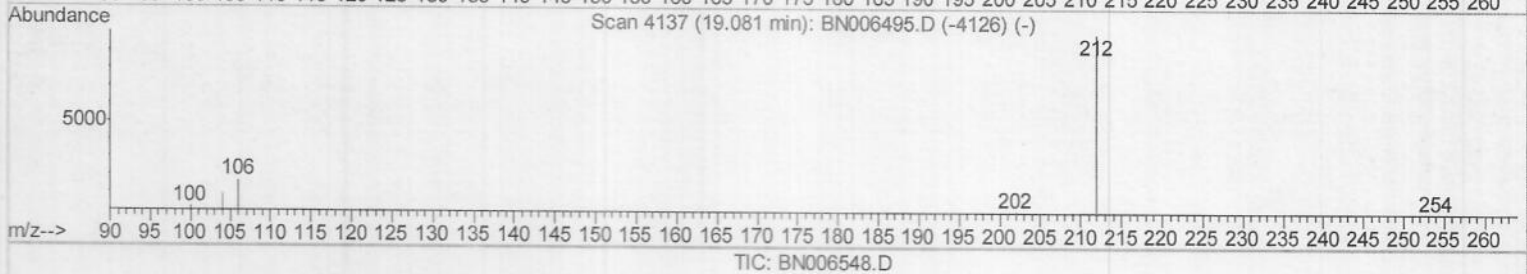
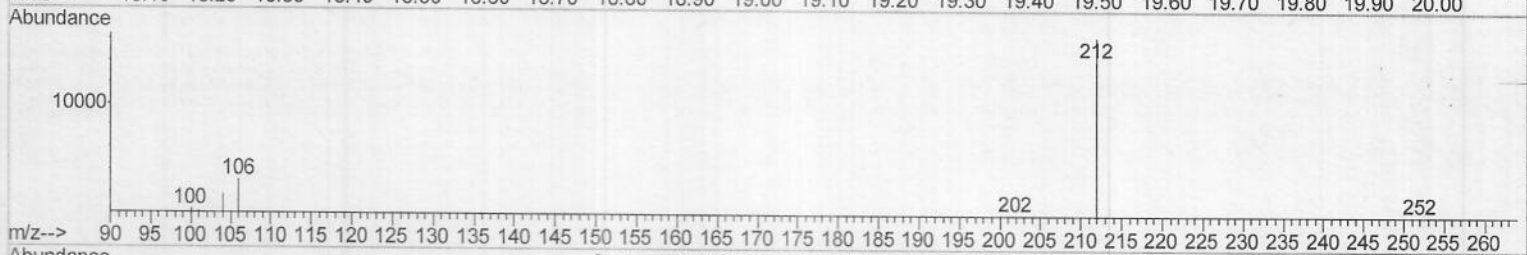
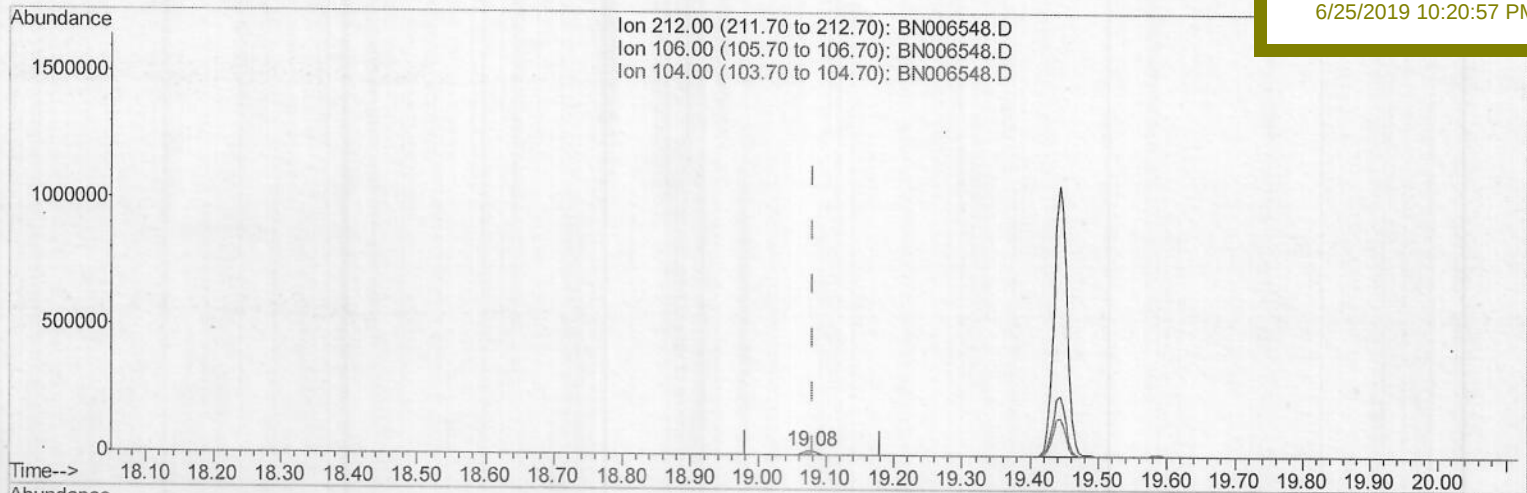
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4208

Manual Integrations  
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(14) Fluoranthene-d10 (SURR)

19.076min (-0.005) 0.42ng/ul m

7 JU 06/26/19

response 22346

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 18.10 | 0.00# |
| 104.00 | 9.90  | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:16:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

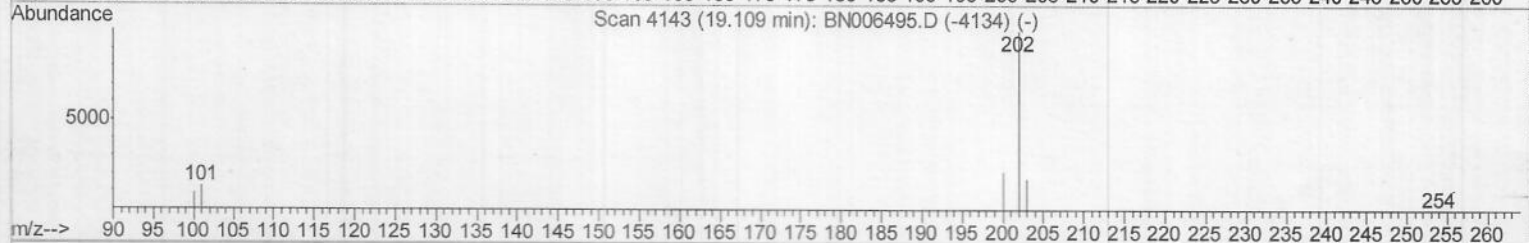
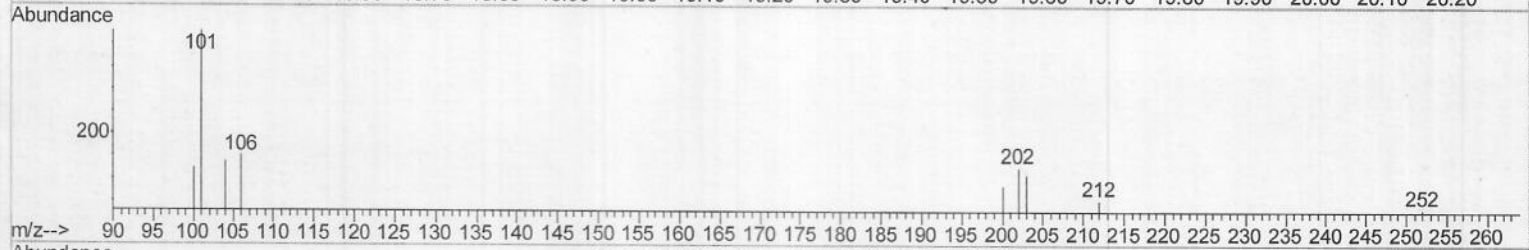
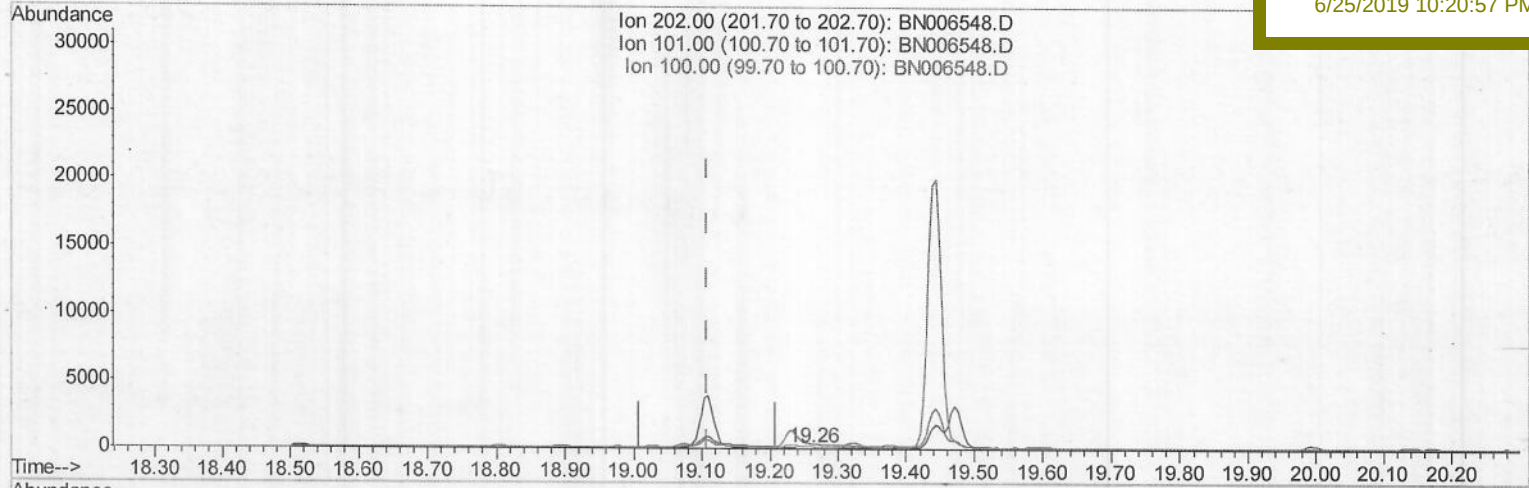
A4208

Manual Integrations

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TIC: BN006548.D

(15) Fluoranthene (C)

19.262min (+0.153) 0.00ng/ul

response 66

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 202.00 | 100   | 100     |
| 101.00 | 12.10 | 269.72# |
| 100.00 | 8.70  | 98.59#  |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:16:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA\_N

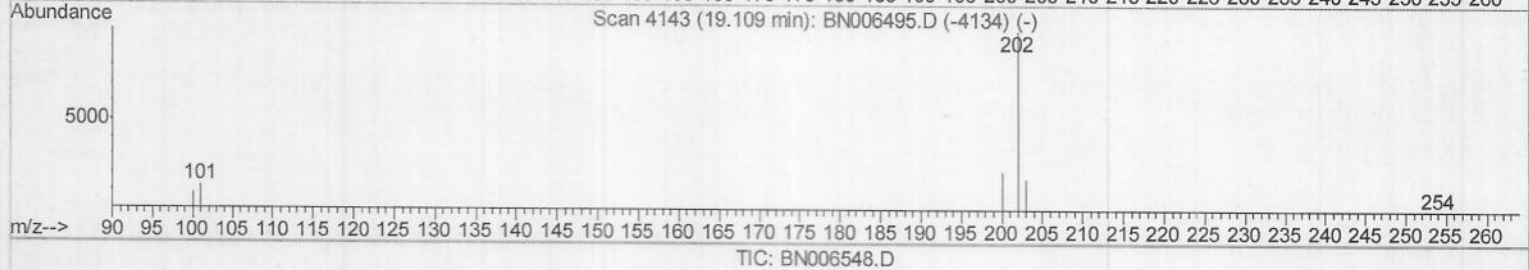
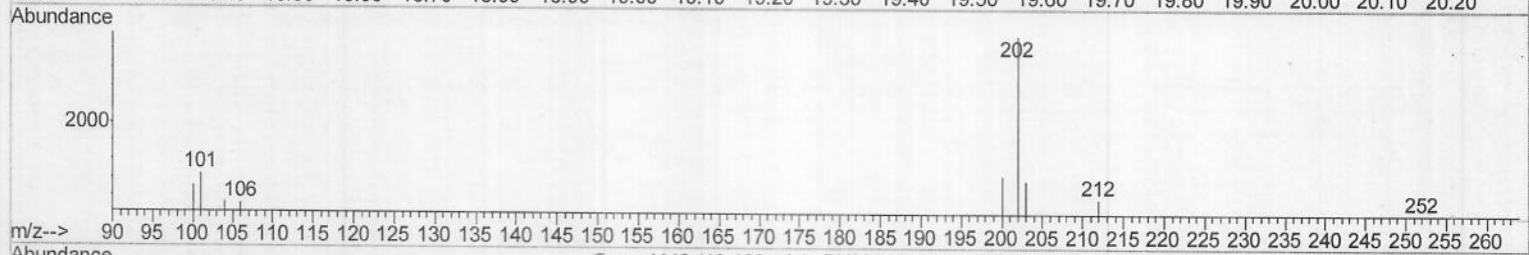
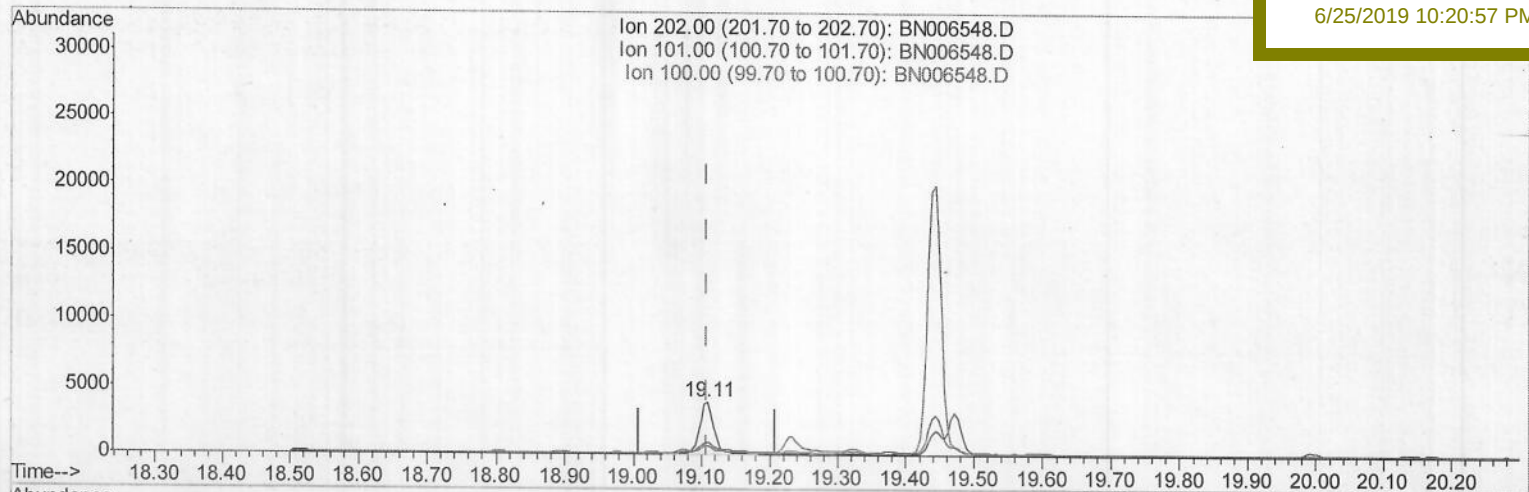
ClientSampleId :

A4208

Manual Integrations  
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(15) Fluoranthene (C)

19.109min (0.000) 0.08ng/ul m

&gt; JU 06/26/19

response 6013

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.10 | 22.53 |
| 100.00 | 8.70  | 15.78 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:16:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

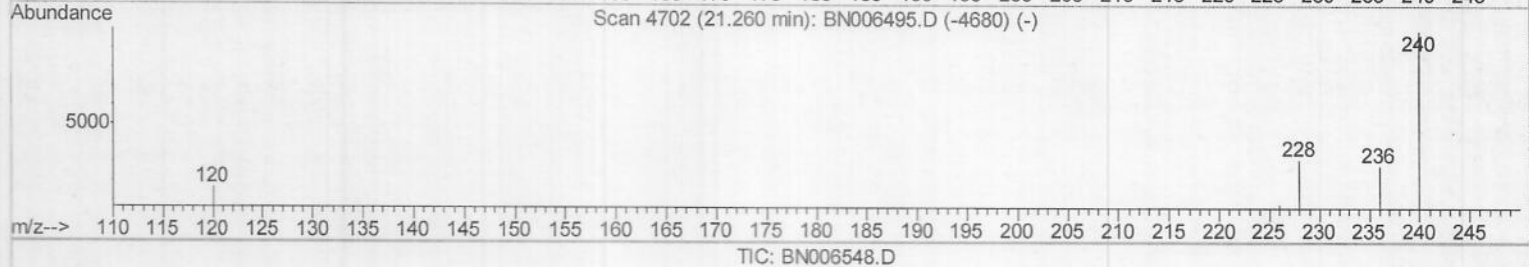
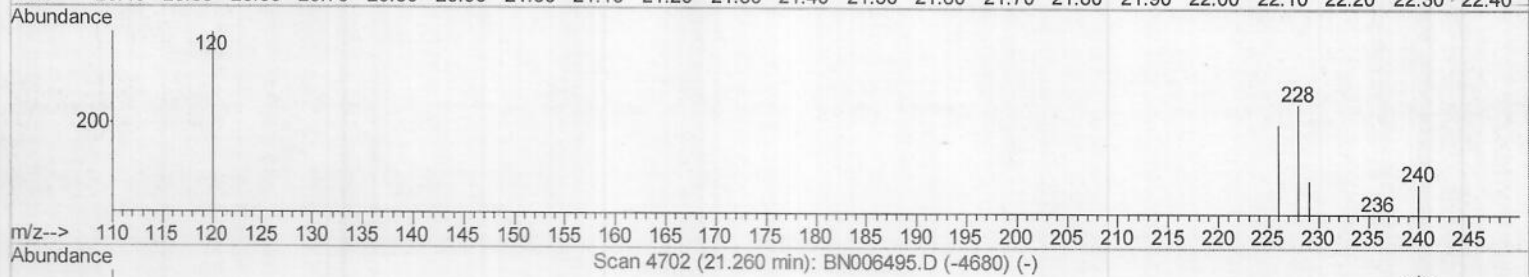
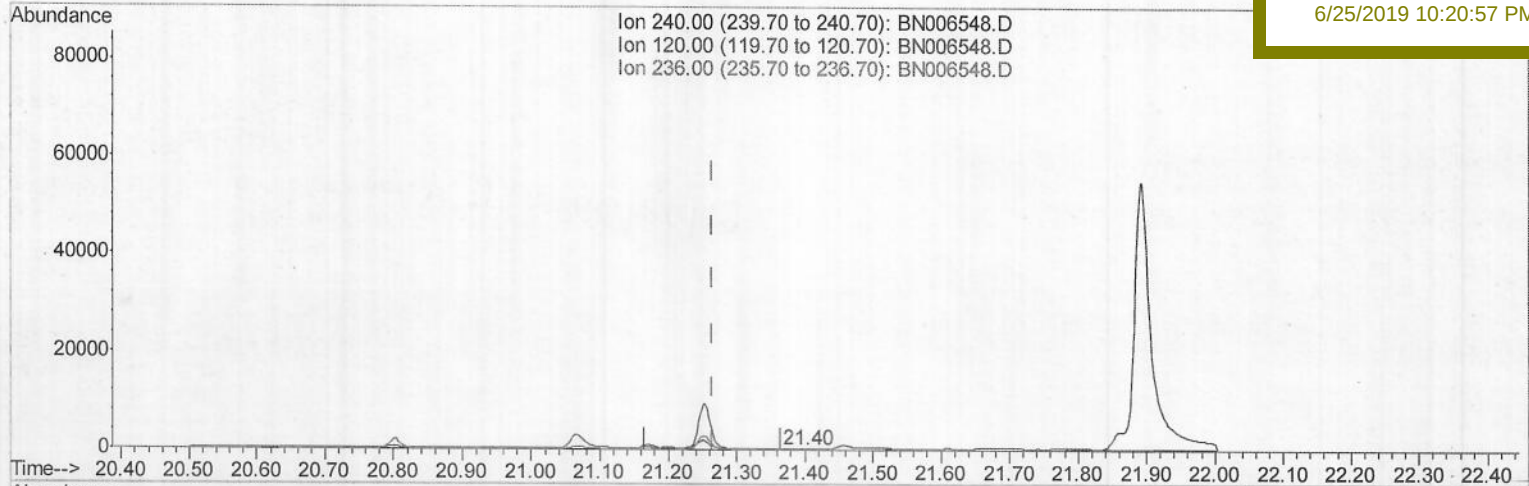
A4208

Manual Integrations

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(16) Chrysene-d12 (I)

21.403min (+0.137) 0.40ng/ul

response 38

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 20.10 | 219.85# |
| 236.00 | 30.10 | 75.74#  |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

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ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:16:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

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BNA\_N

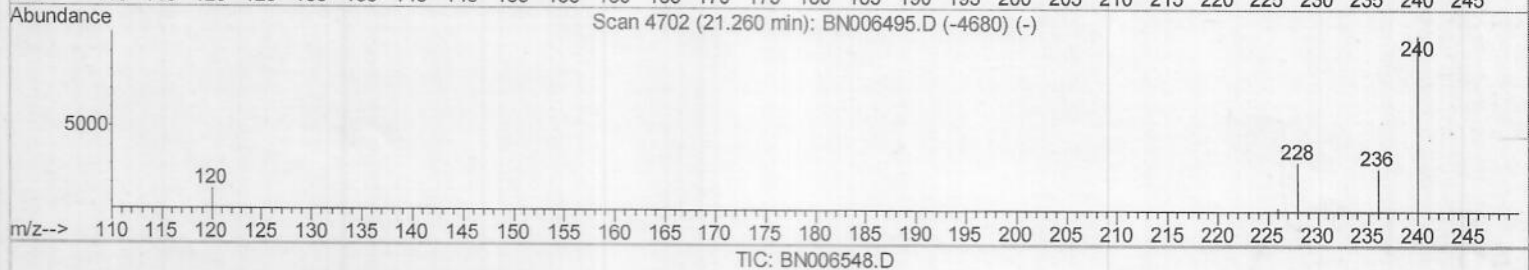
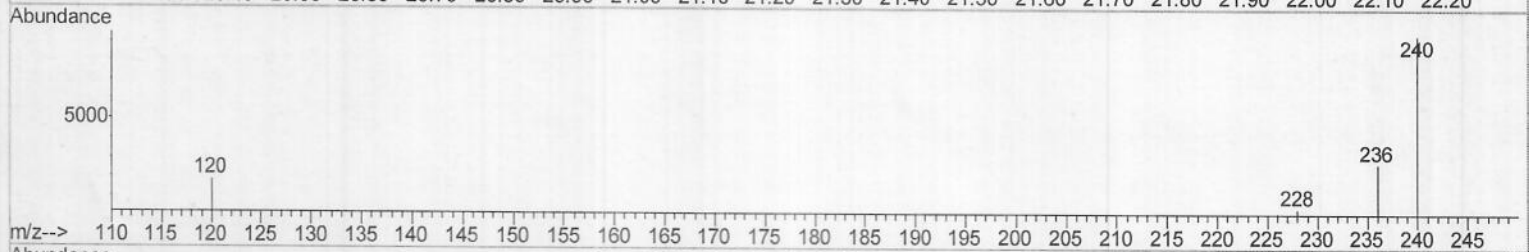
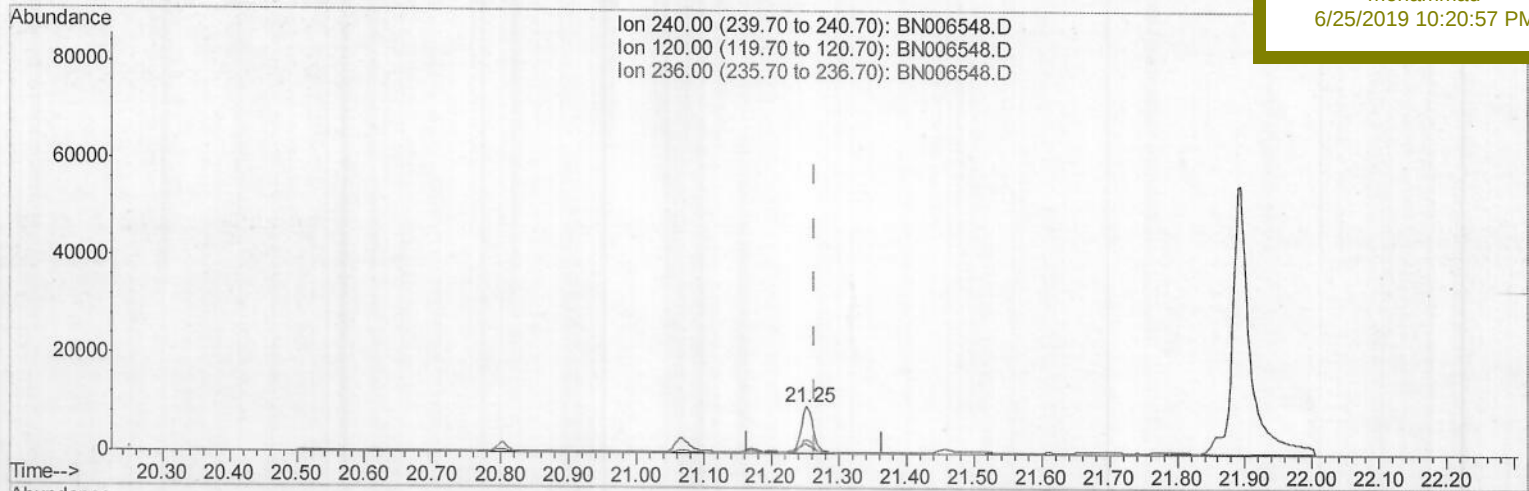
ClientSampleId :

A4208

Manual Integrations  
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(16) Chrysene-d12 (I)

21.254min (-0.012) 0.40ng/ul m

response 11513

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 20.10 | 19.44 |
| 236.00 | 30.10 | 29.32 |
| 0.00   | 0.00  | 0.00  |

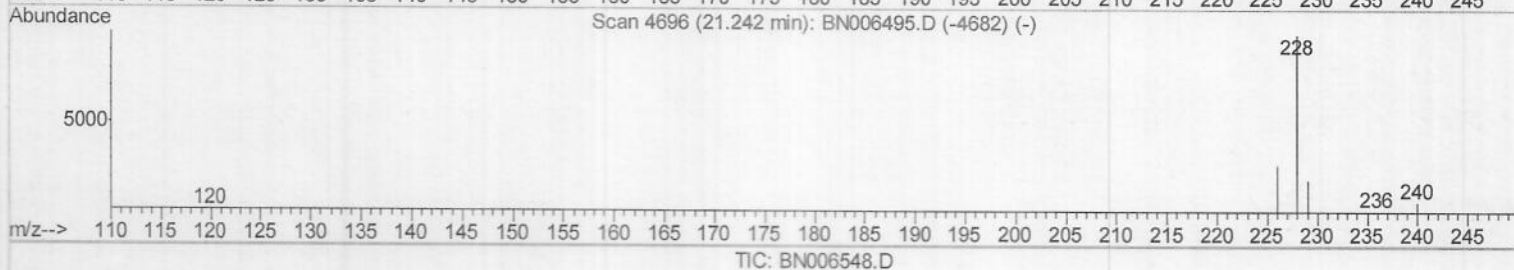
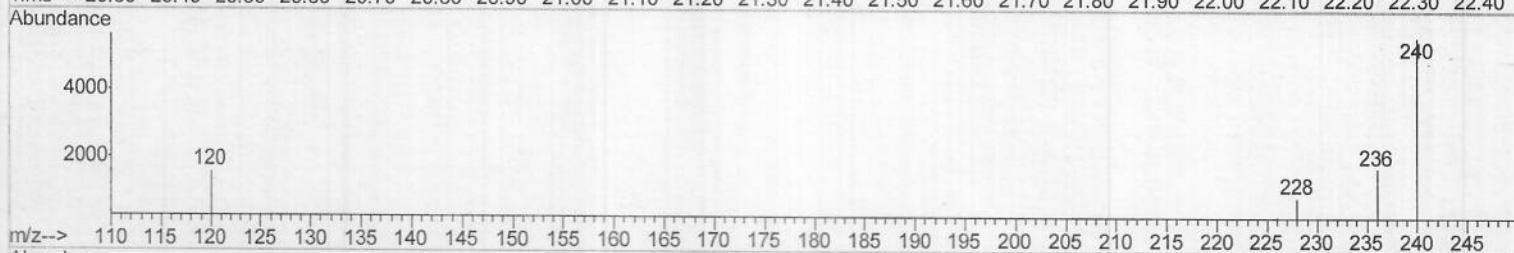
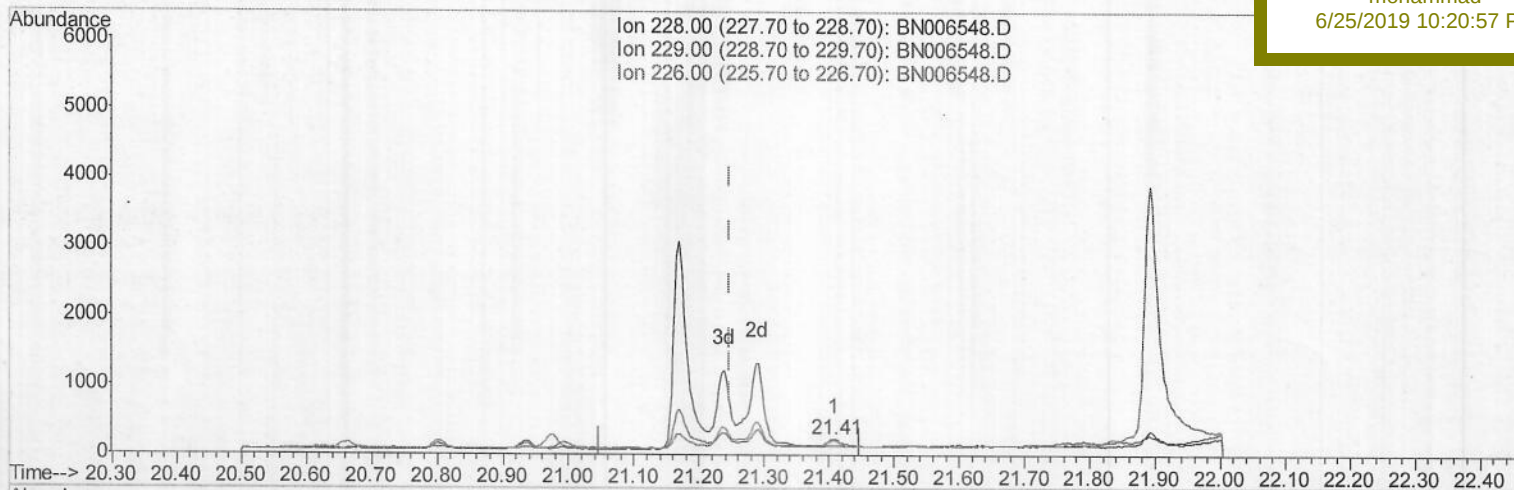
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
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Acq On : 25 Jun 2019 01:06  
Operator : HP/JU  
Sample : K3362-10  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:18:02 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 25 01:51:13 2019  
Response via : Initial Calibration

Instrument :  
BNA\_N  
ClientSampleId :  
A4208

Manual Integrations  
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(18) Benzo(a)anthracene  
21.408min (+0.161) 0.00ng/ul  
response 152

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 20.60 | 62.82# |
| 226.00 | 28.50 | 91.45# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

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Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:18:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA\_N

Client Sampled :

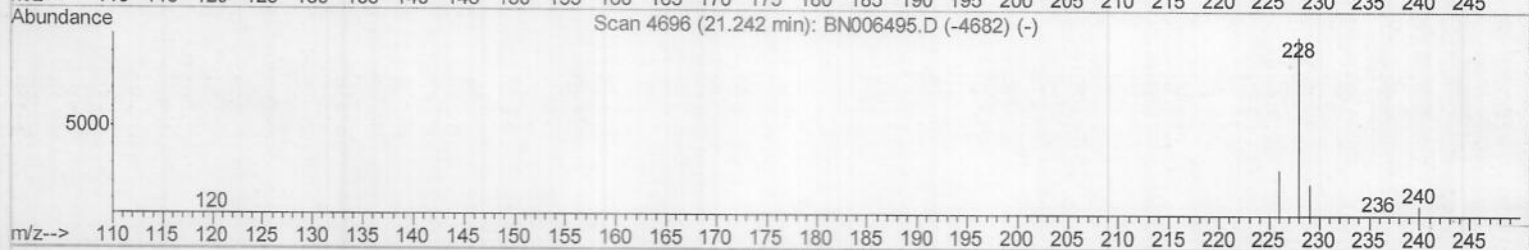
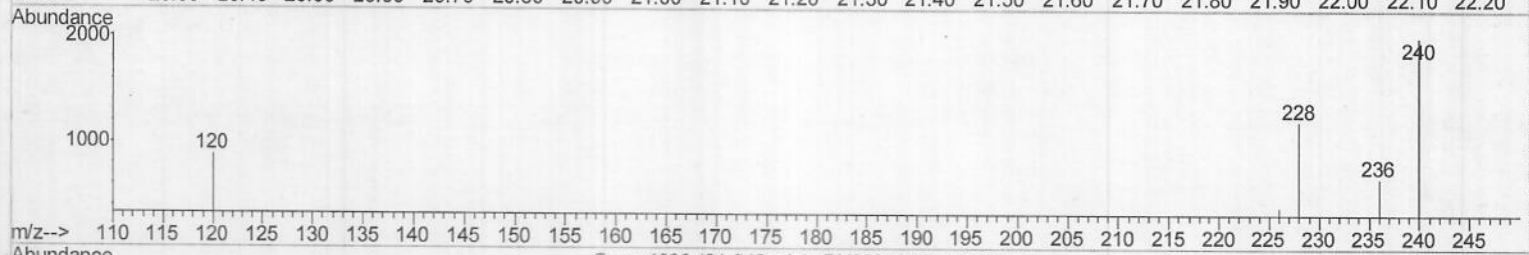
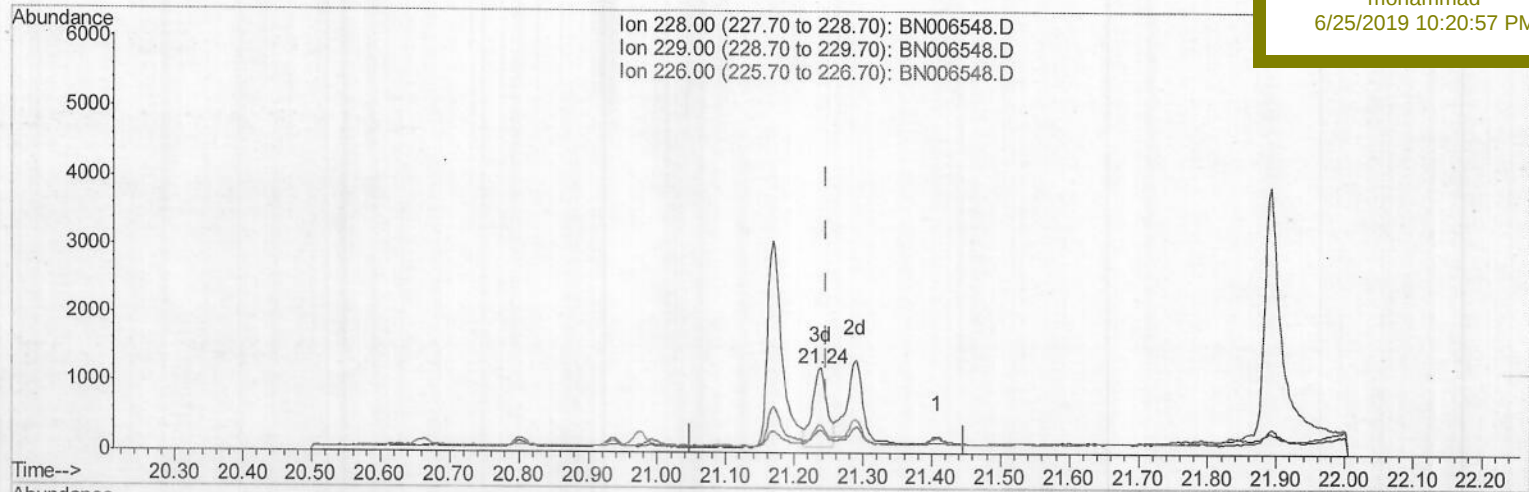
A4208

Manual Integrations

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6/25/2019 10:20:57 PM



(18) Benzo(a)anthracene

21.239min (-0.009) 0.03ng/ul m

response 1677

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 20.60 | 26.82# |
| 226.00 | 28.50 | 32.34  |
| 0.00   | 0.00  | 0.00   |

&gt; JU 06/26/19

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:18:02 2019

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

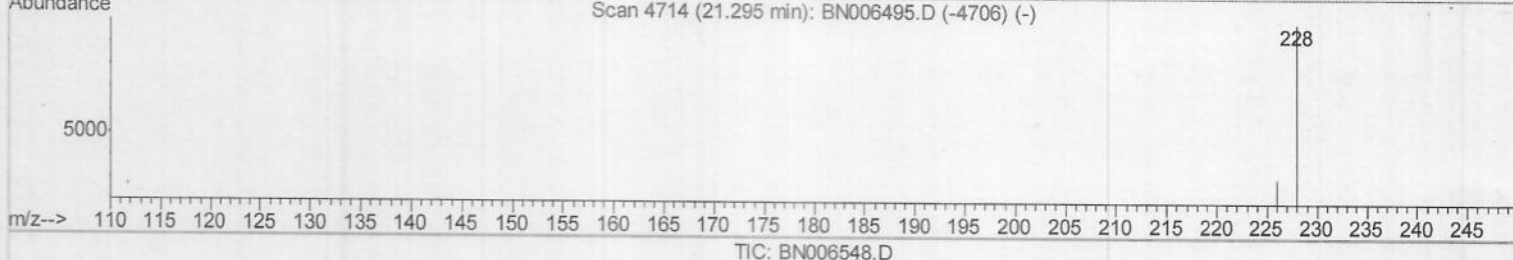
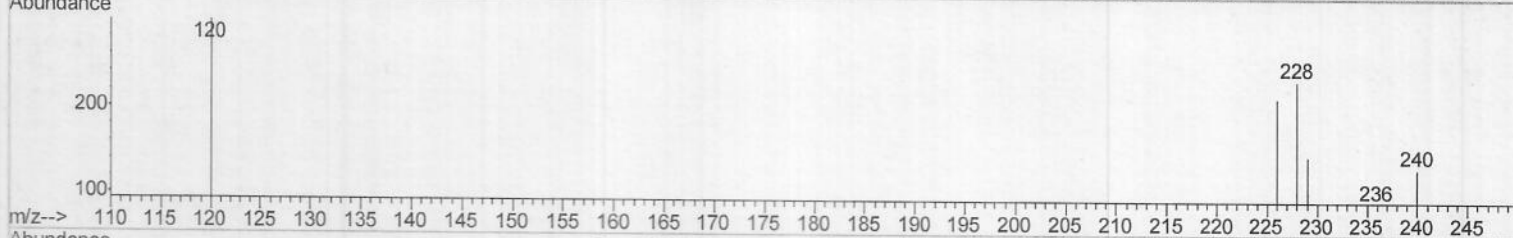
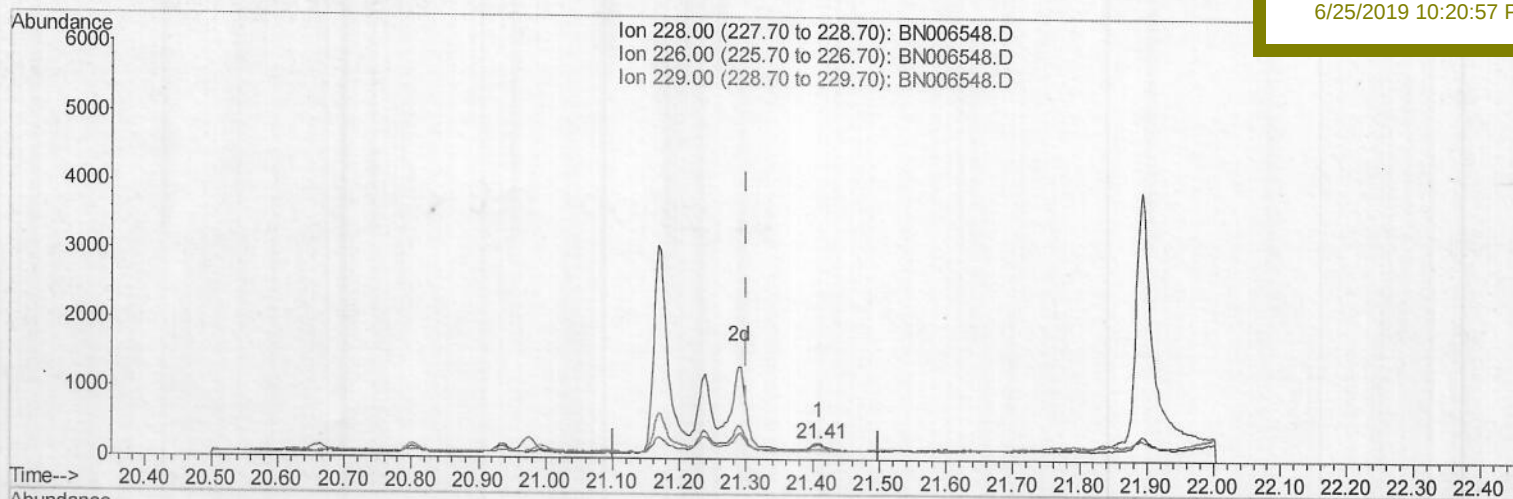
A4208

Manual Integrations

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(19) Chrysene

21.408min (+0.108) 0.00ng/ul

response 152

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 31.30 | 91.45# |
| 229.00 | 20.40 | 62.82# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:18:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

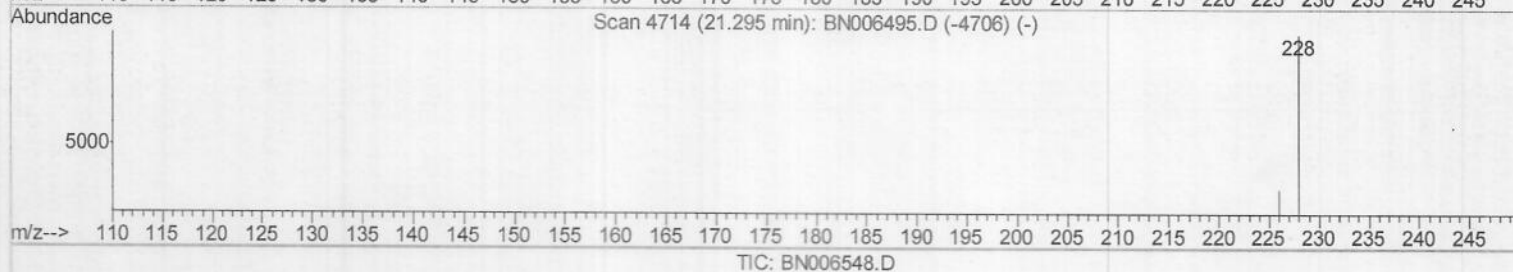
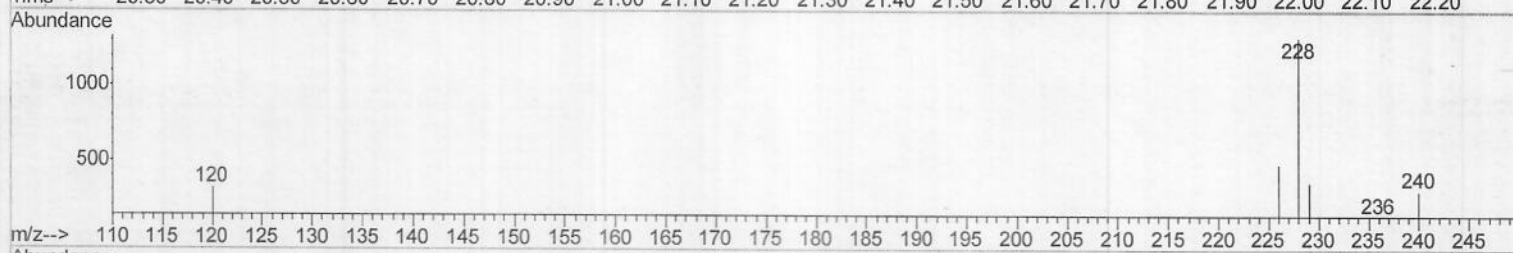
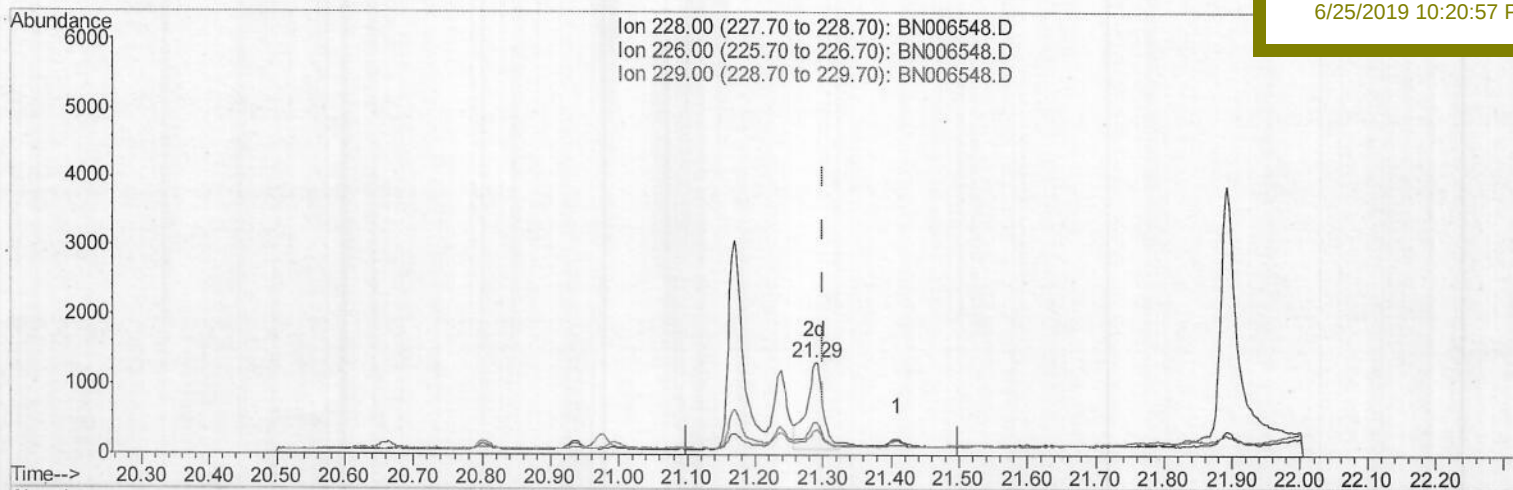
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampled :

A4208

Manual Integrations  
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6/25/2019 10:20:57 PM

(19) Chrysene

21.289min (-0.012) 0.04ng/ul m

response 2127

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 31.30 | 36.20  |
| 229.00 | 20.40 | 27.30# |
| 0.00   | 0.00  | 0.00   |

&gt; JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:18:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

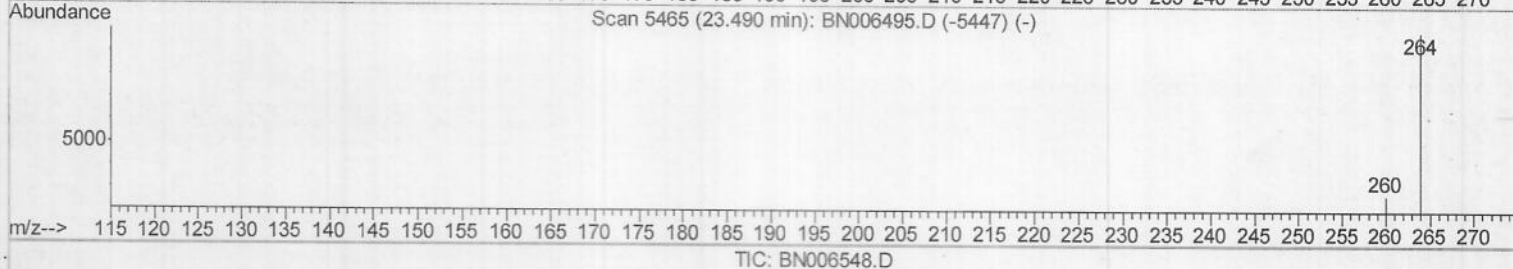
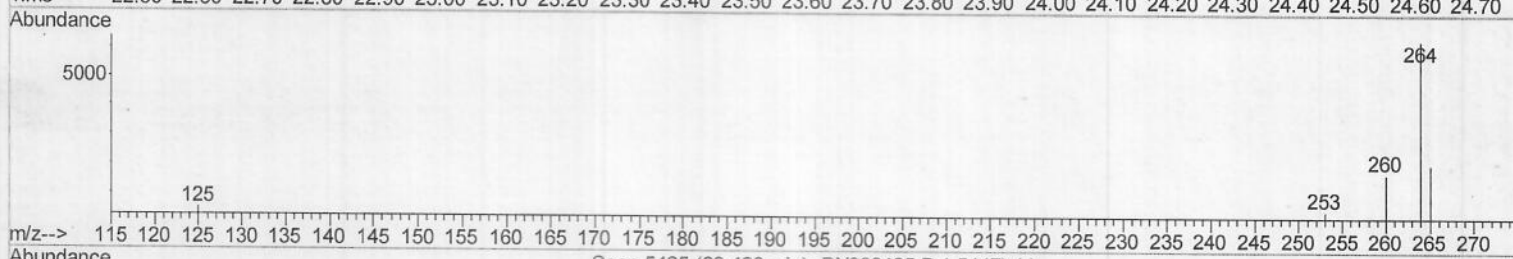
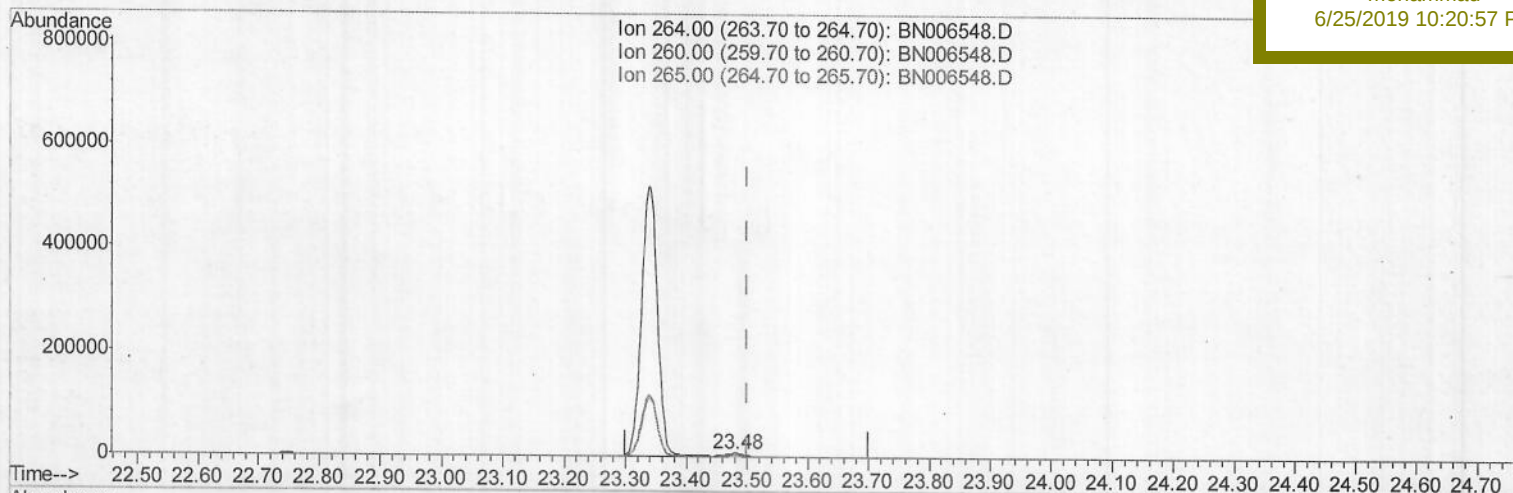
Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

A4208

Manual Integrations  
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(20) Perylene-d12 (I)

23.481min (-0.020) 0.40ng/ul

response 13823

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 29.20 | 27.51  |
| 265.00 | 44.70 | 32.71# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\

Data File : BN006548.D

Acq On : 25 Jun 2019 01:06

Operator : HP/JU

Sample : K3362-10

Misc :

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 04:18:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 01:51:13 2019

Response via : Initial Calibration

Instrument :

BNA\_N

ClientSampleId :

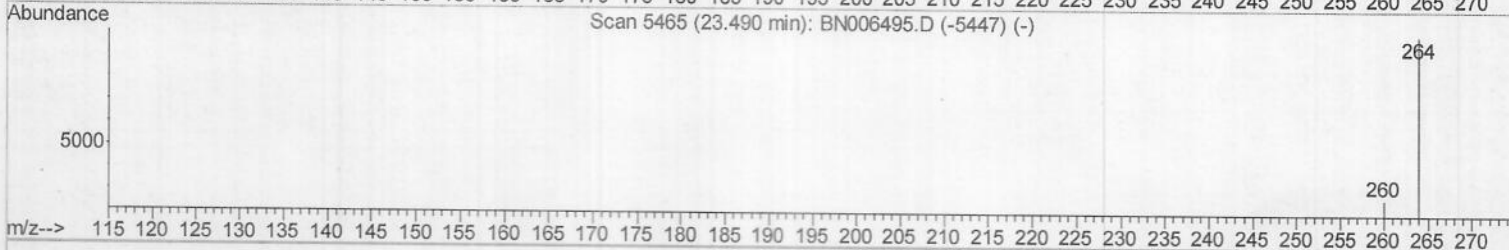
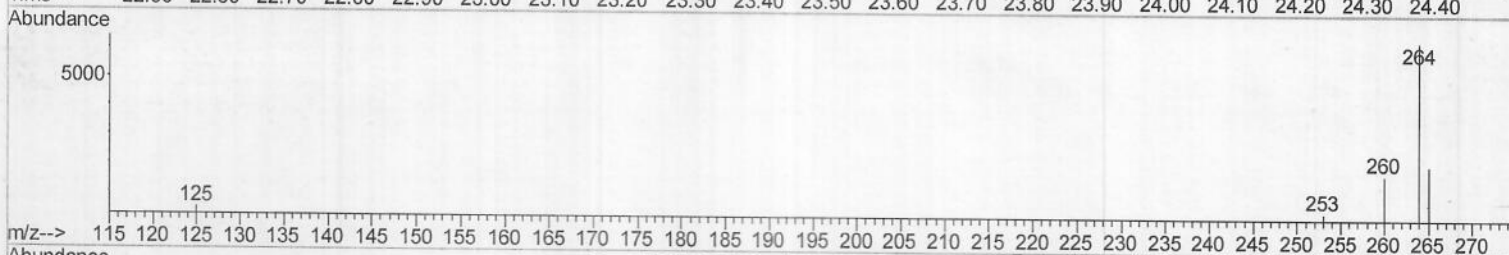
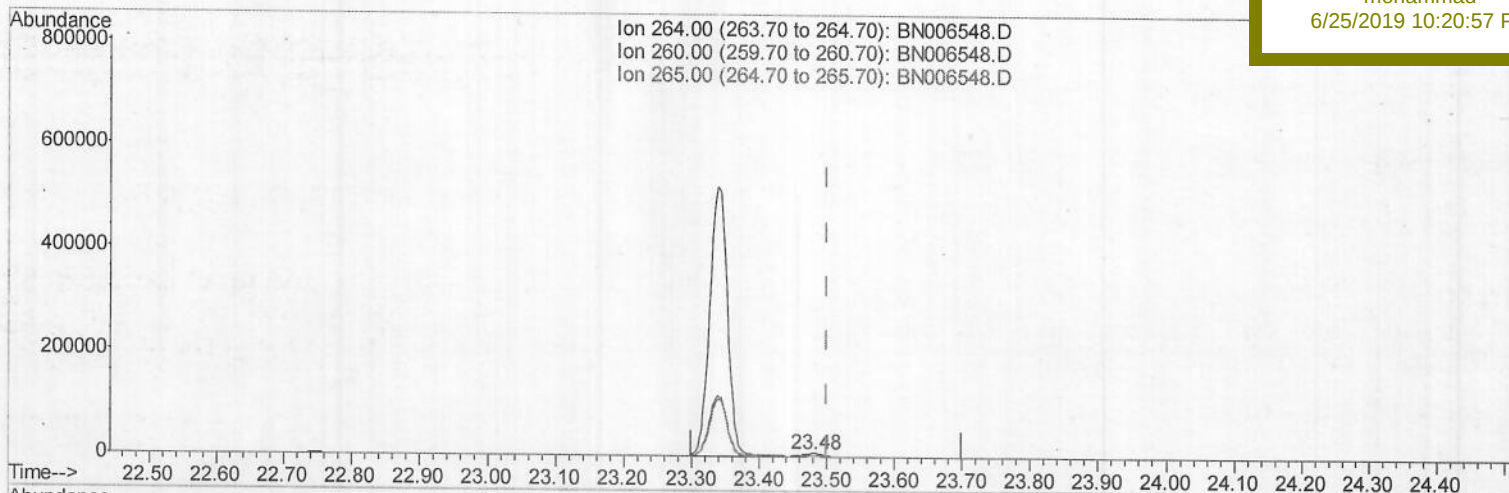
A4208

Manual Integrations

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TIC: BN006548.D

(20) Perylene-d12 (I)

23.481min (-0.020) 0.40ng/ul m

response 9921

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 29.20 | 27.51  |
| 265.00 | 44.70 | 32.71# |
| 0.00   | 0.00  | 0.00   |

> JU 06/26/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
 Data File : BN006548.D  
 Acq On : 25 Jun 2019 01:06  
 Operator : HP/JU  
 Sample : K3362-10  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 Client Sampled :  
 A4208

Quant Time: Jun 25 04:20:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 25 01:51:13 2019  
 Response via : Initial Calibration

Manual Integrations  
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| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev (Min)    |
|-----------------------------|-------|------|----------|-------|--------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 4840     | 0.40  | ng/ul  | 0.00         |
| 2) Naphthalene-d8           | 10.41 | 136  | 18305    | 0.40  | ng/ul  | 0.00         |
| 6) Acenaphthene-d10         | 14.28 | 164  | 9774     | 0.40  | ng/ul  | 0.00         |
| 10) Phenanthrene-d10        | 17.04 | 188  | 20030m   | 0.40  | ng/ul  | 0.00         |
| 16) Chrysene-d12            | 21.25 | 240  | 11513m   | 0.40  | ng/ul  | -0.01        |
| 20) Perylene-d12            | 23.48 | 264  | 9921m    | 0.40  | ng/ul  | -0.02        |
| System Monitoring Compounds |       |      |          |       |        |              |
| 4) 2-Methylnaphthalene-d10  | 12.01 | 152  | 11173    | 0.40  | ng/ul  | 0.00         |
| 14) Fluoranthene-d10        | 19.08 | 212  | 22346m   | 0.42  | ng/ul  | 0.00         |
| Target Compounds            |       |      |          |       |        |              |
| 12) Phenanthrene            | 17.08 | 178  | 2839m    | 0.044 | ng/ul  | Qvalue<br>86 |
| 15) Fluoranthene            | 19.11 | 202  | 6013m    | 0.085 | ng/ul  |              |
| 17) Pyrene                  | 19.47 | 202  | 3768     | 0.062 | ng/ul# |              |
| 18) Benzo(a)anthracene      | 21.24 | 228  | 1677m    | 0.033 | ng/ul  |              |
| 19) Chrysene                | 21.29 | 228  | 2127m    | 0.044 | ng/ul  |              |
| 24) Indeno(1,2,3-cd)pyrene  | 25.72 | 276  | 1165     | 0.028 | ng/ul# |              |
| 26) Benzo(g,h,i)perylene    | 26.41 | 276  | 1053     | 0.030 | ng/ul# | 70<br>65     |

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

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 06/26/19