

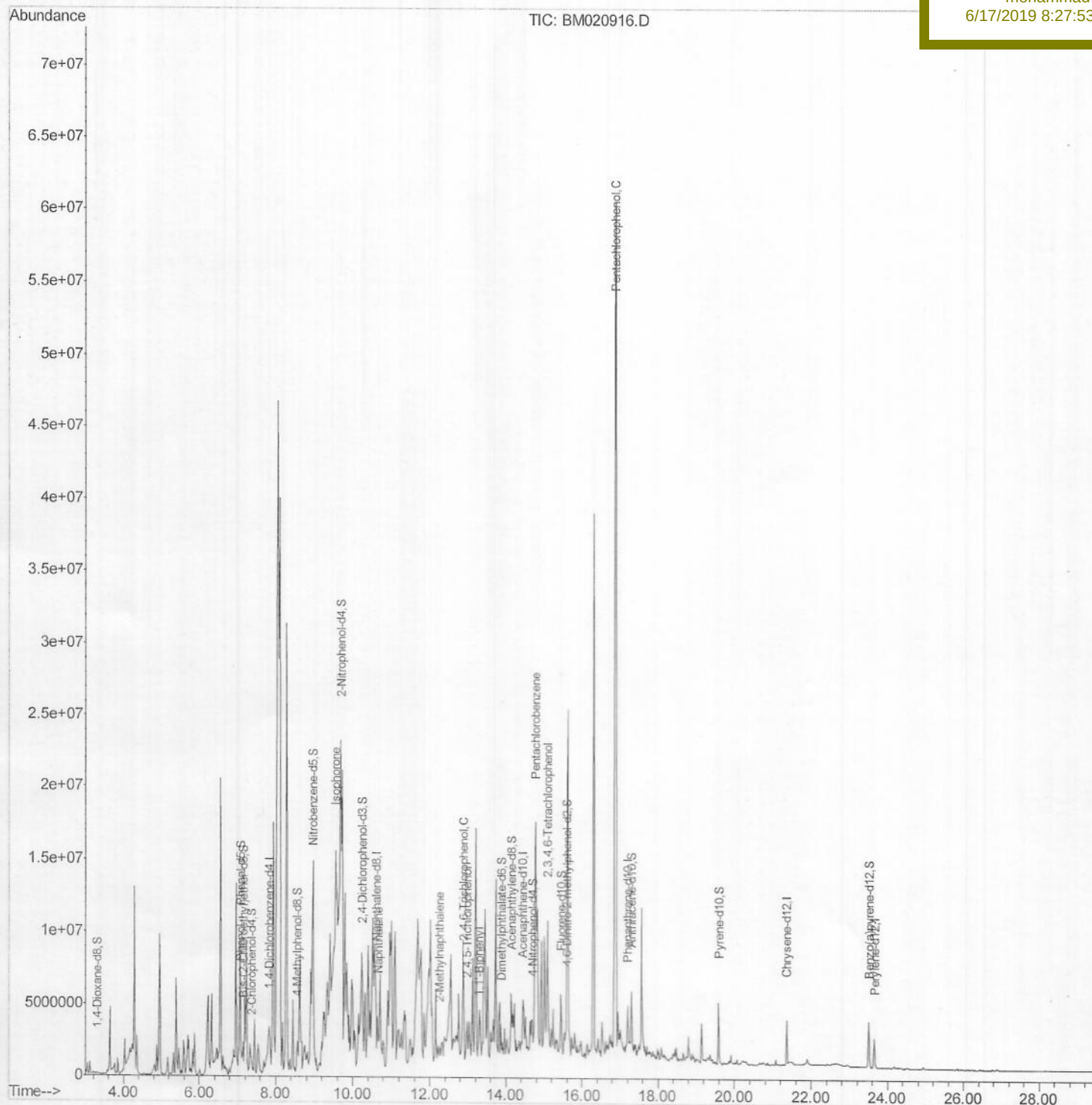
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\  
Data File : BM020916.D  
Acq On : 12 Jun 2019 22:44  
Operator : HP/JU  
Sample : K3215-10  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 02:09:51 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 13 01:55:55 2019  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
DB8J4

Manual Integrations  
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# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 22 02:49:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Jun 09 01:02:58 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

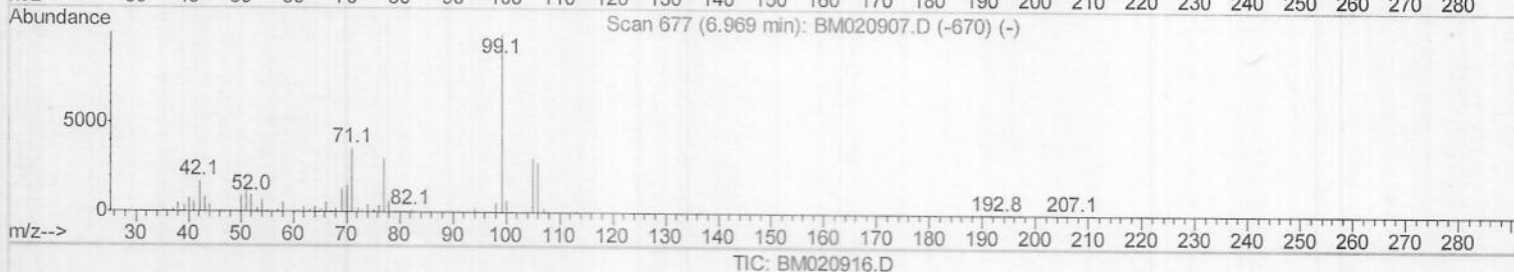
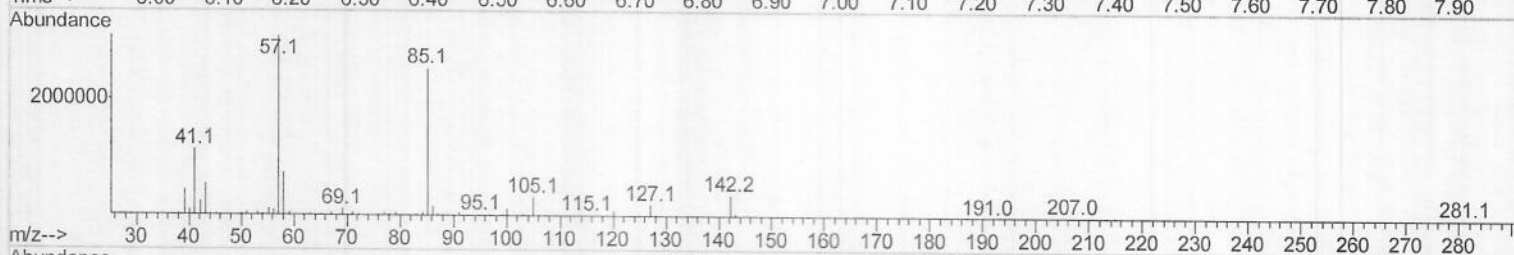
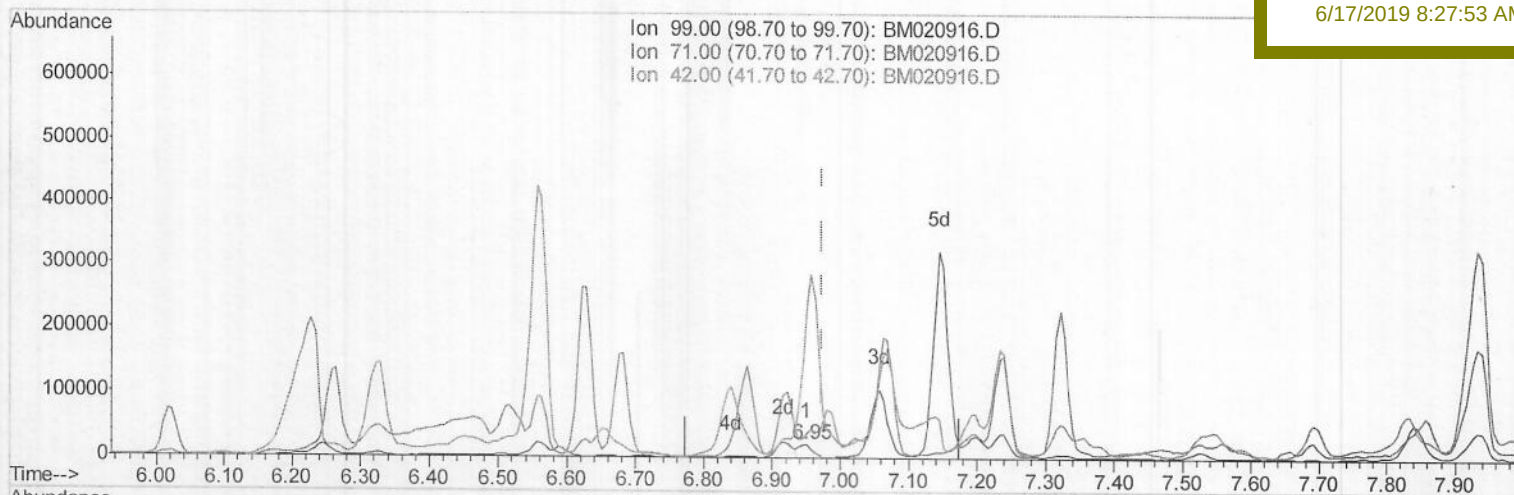
DB8J4

Manual Integrations

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(5) Phenol-d5 (S)

6.951min (-0.023) 1.09ng/ul

response 25725

Ion Exp% Act%

99.00 100 100

71.00 37.40 174.69#

42.00 18.50 1077.80#

0.00 0.00 0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 02:09:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 13 01:55:55 2019

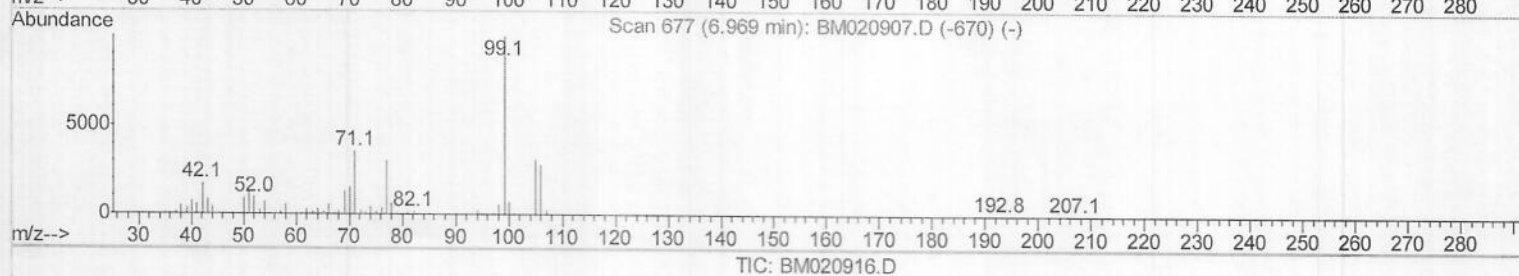
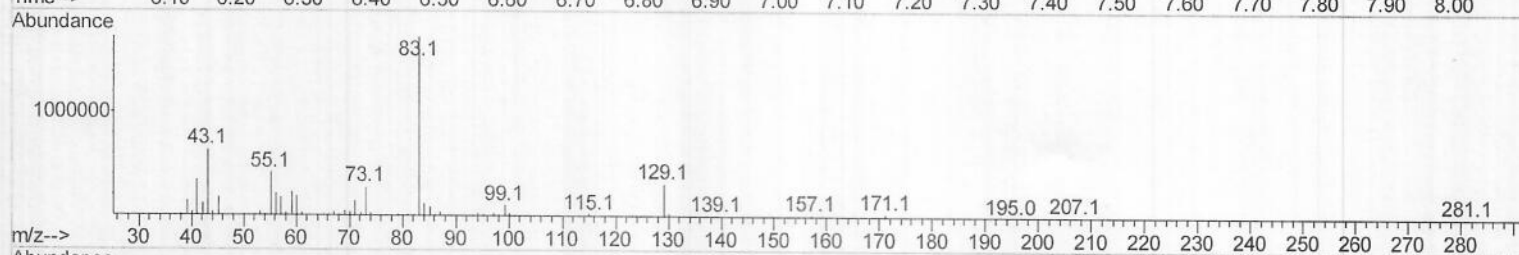
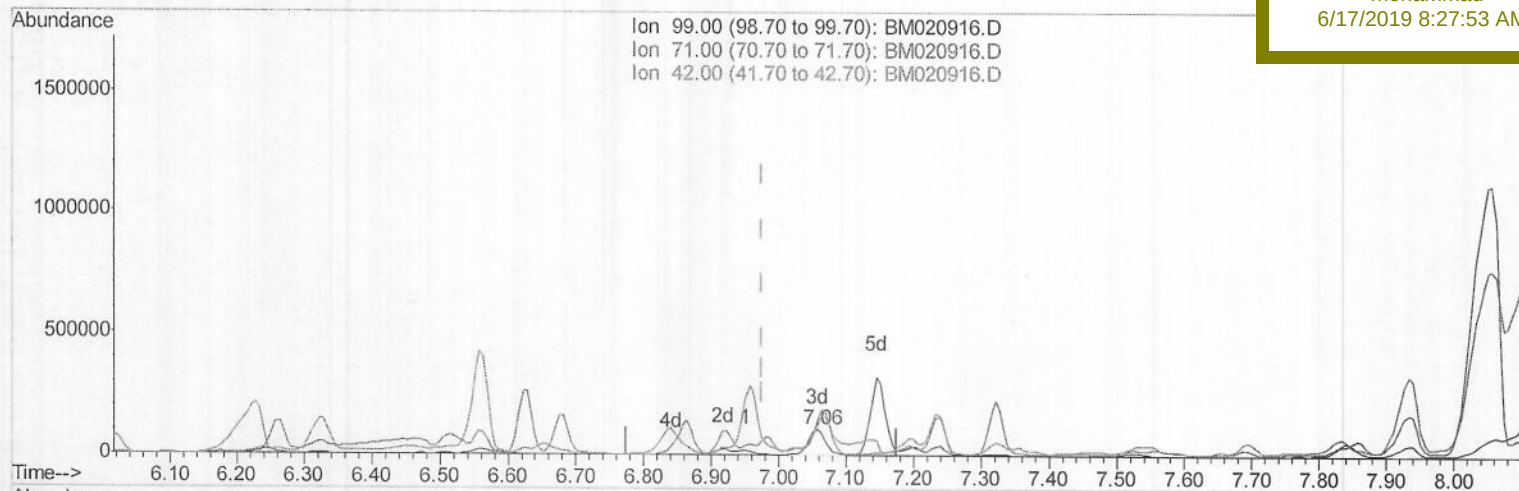
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DB8J4

Manual Integrations  
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(5) Phenol-d5 (S)

7.057min (+0.082) 8.14ng/ul m &amp; JU 06/20/19

response 192674

| Ion   | Exp%  | Act%    |
|-------|-------|---------|
| 99.00 | 100   | 100     |
| 71.00 | 37.40 | 136.83# |
| 42.00 | 18.50 | 117.54# |
| 0.00  | 0.00  | 0.00    |



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 22 02:49:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Jun 09 01:02:58 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

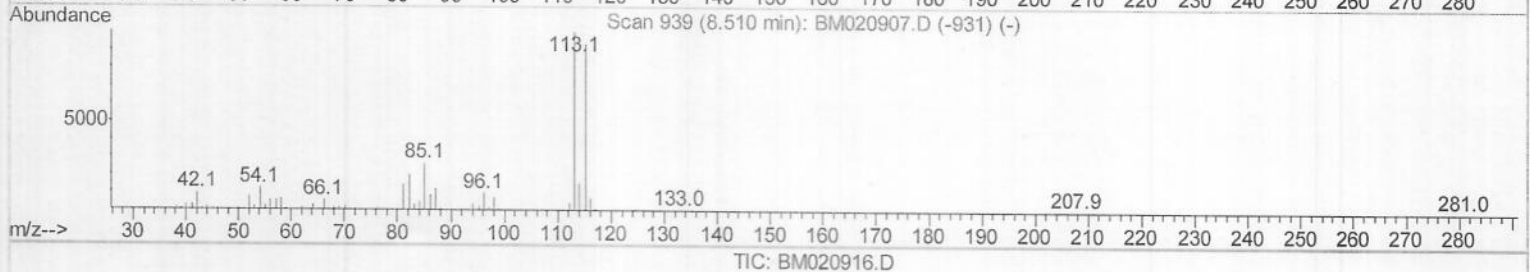
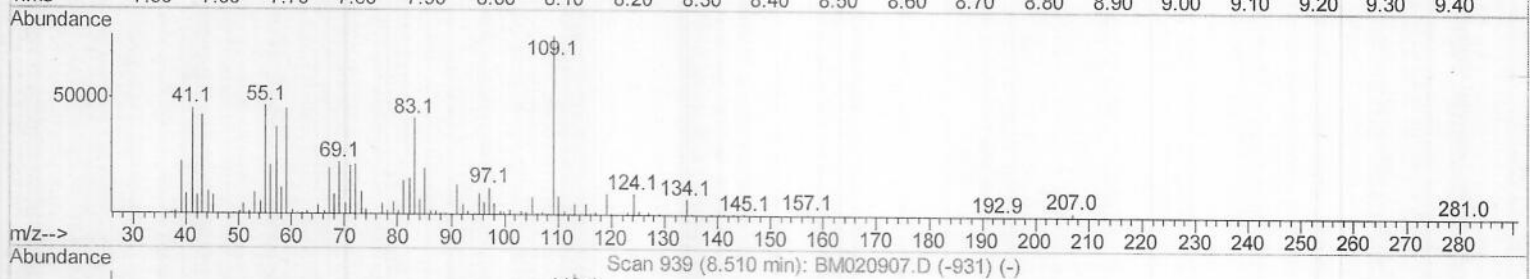
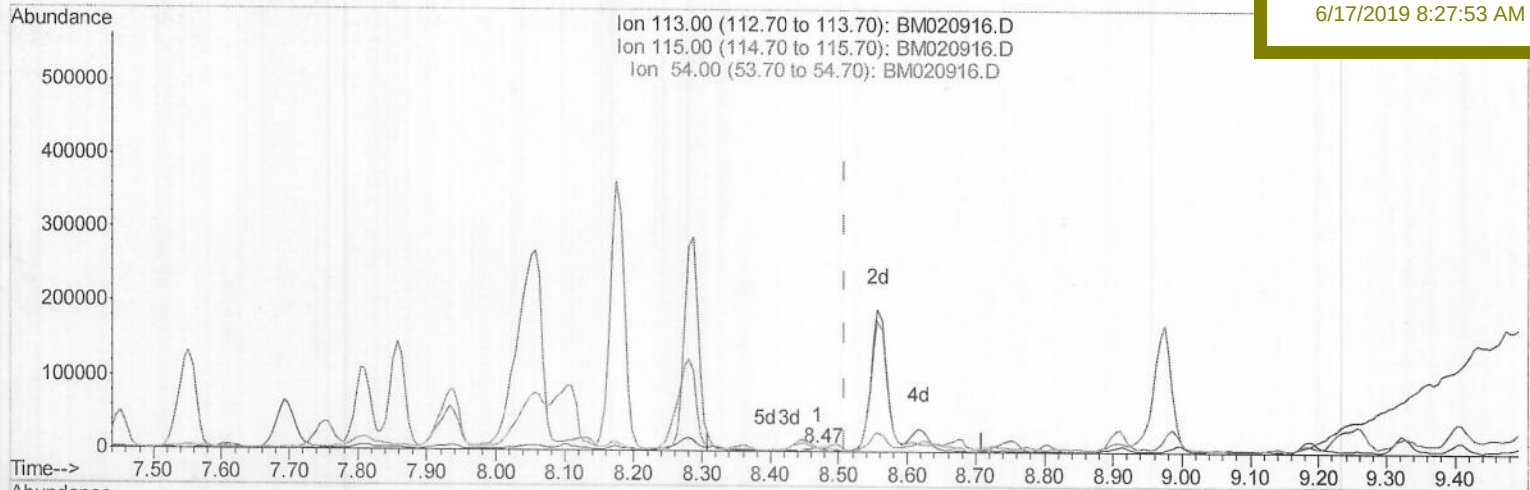
DB8J4

Manual Integrations

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(13) 4-Methylphenol-d8 (S)

8.469min (-0.041) 0.29ng/ul

response 5608

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 113.00 | 100   | 100     |
| 115.00 | 93.50 | 102.03  |
| 54.00  | 13.40 | 107.94# |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 02:09:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 13 01:55:55 2019

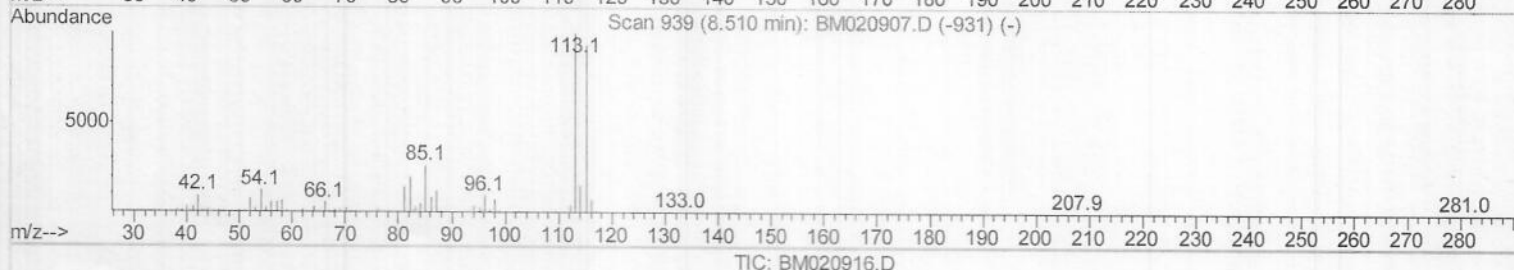
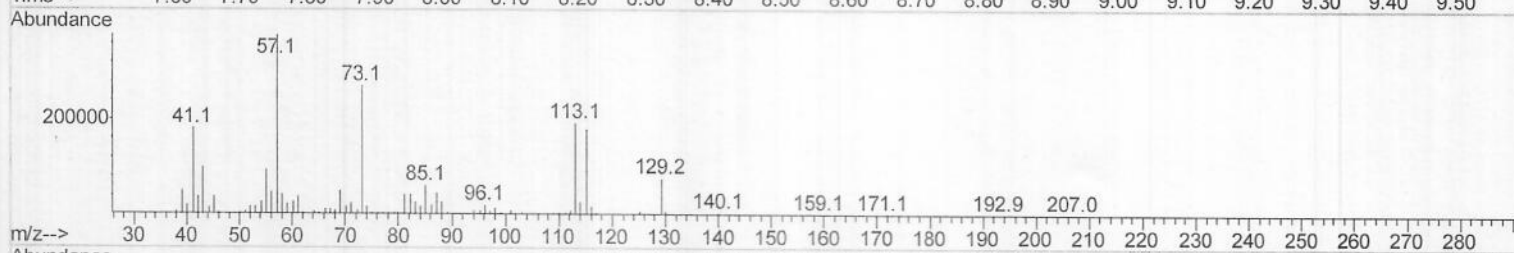
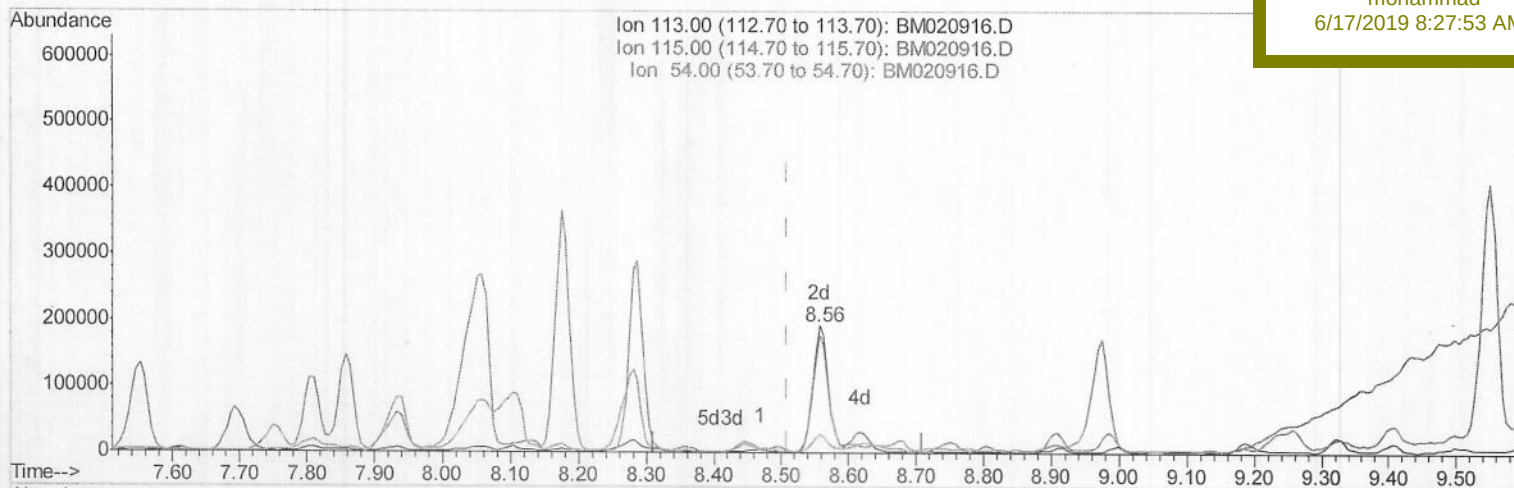
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DB8J4

Manual Integrations  
APPROVEDmohammad  
6/17/2019 8:27:53 AM

(13) 4-Methylphenol-d8 (S)

8.557min (+0.047) 16.24ng/ul m

response 309147

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 113.00 | 100   | 100   |
| 115.00 | 93.50 | 92.34 |
| 54.00  | 13.40 | 14.07 |
| 0.00   | 0.00  | 0.00  |

7 JU 06/20/19

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 22 02:49:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Jun 09 01:02:58 2019

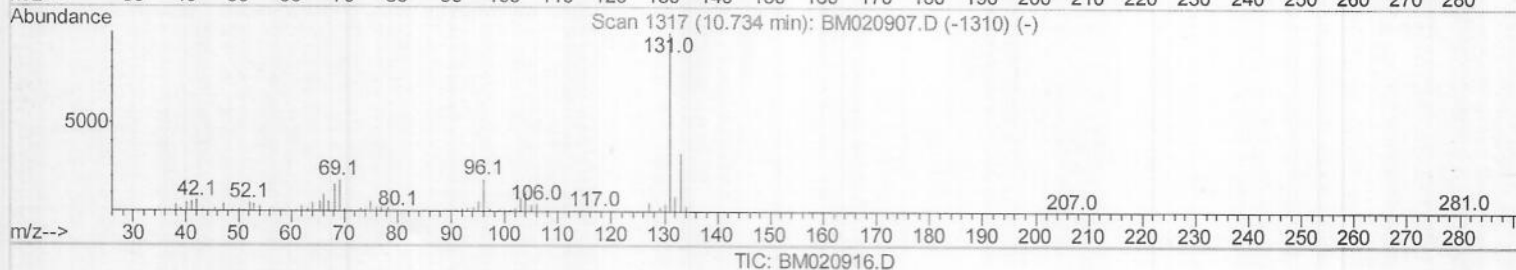
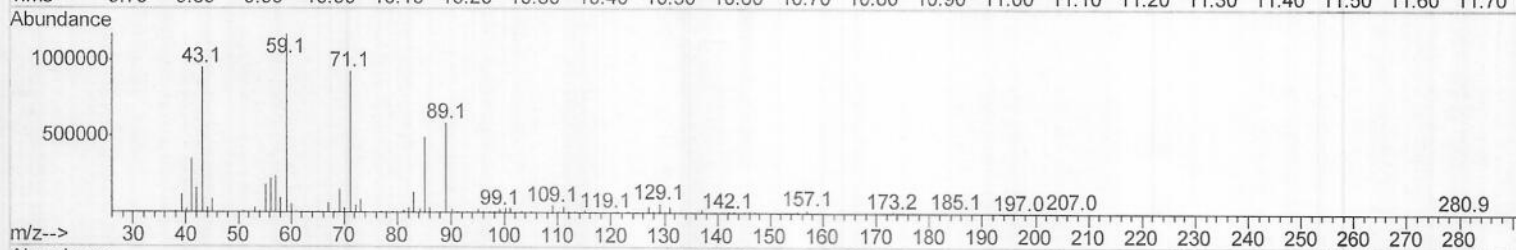
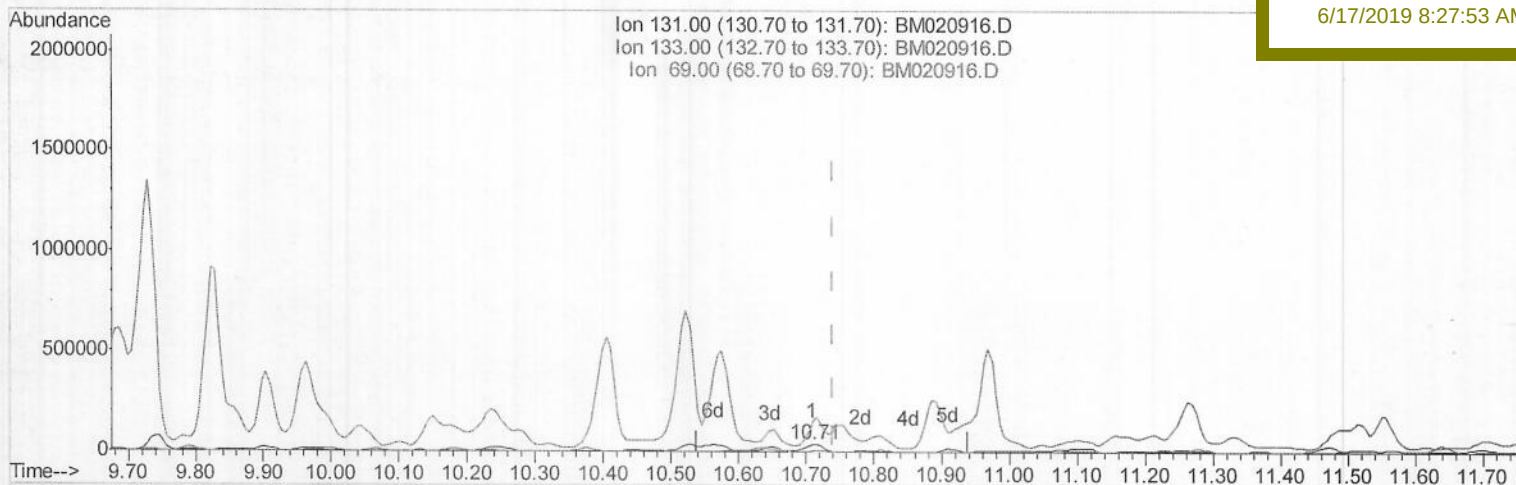
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DB8J4

Manual Integrations  
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(29) 4-Chloroaniline-d4 (S)

10.710min (-0.029) 3.23ng/ul

response 67603

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 131.00 | 100   | 100     |
| 133.00 | 32.00 | 12.44#  |
| 69.00  | 18.00 | 406.54# |
| 0.00   | 0.00  | 0.00    |



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 02:09:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 13 01:55:55 2019

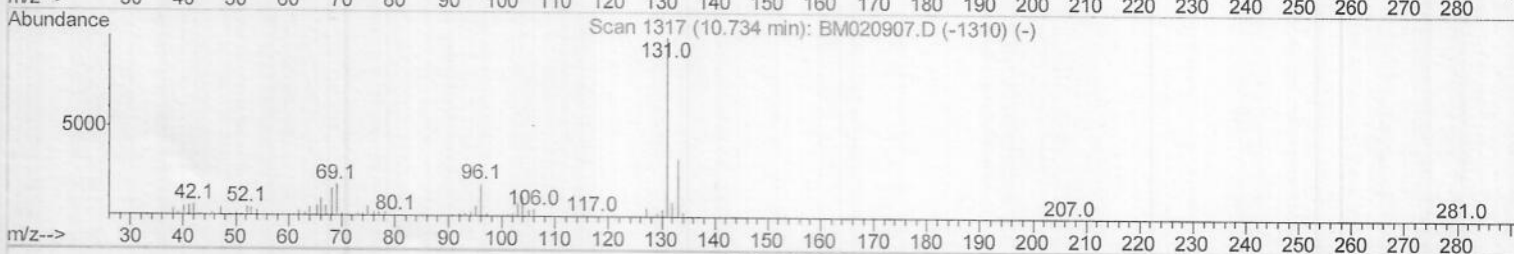
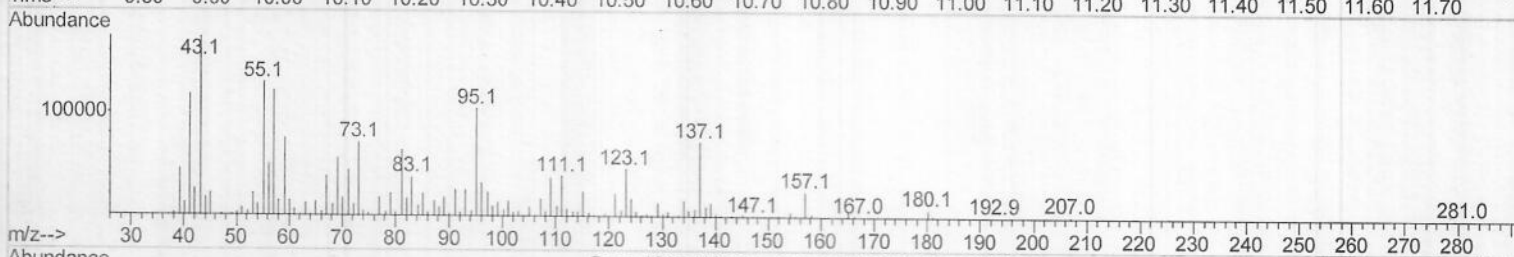
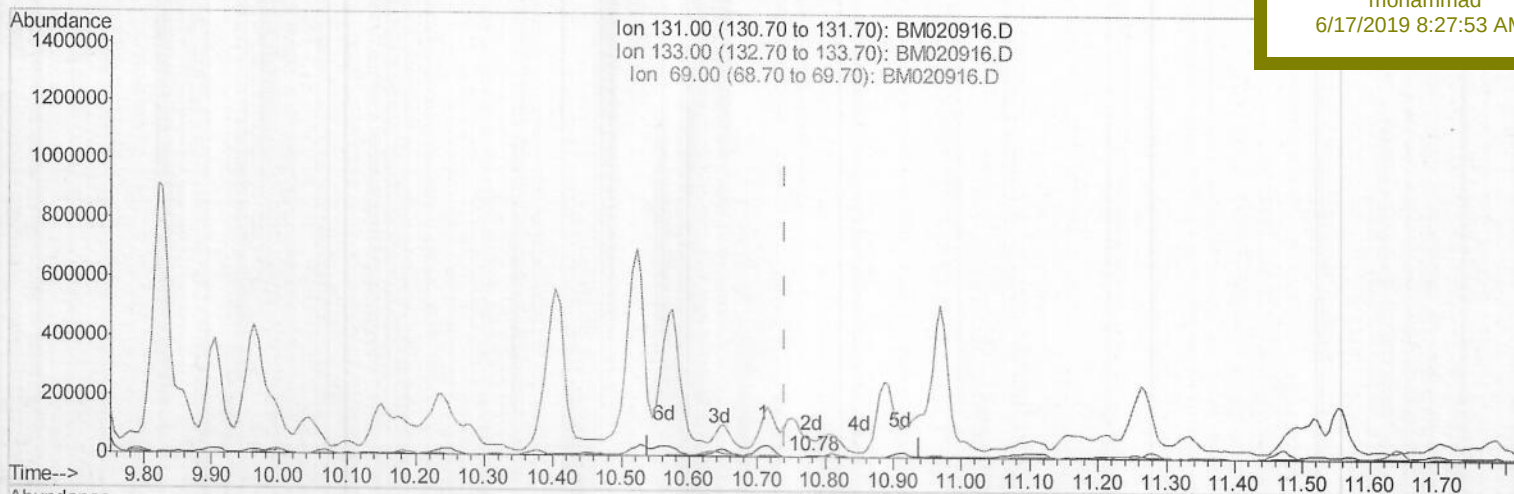
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DB8J4

Manual Integrations  
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TIC: BM020916.D

(29) 4-Chloroaniline-d4 (S)

10.781min (+0.041) 0.47ng/ul m

&gt; JU 06/20/19

response 9871

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 131.00 | 100   | 100     |
| 133.00 | 32.00 | 22.19#  |
| 69.00  | 18.00 | 996.24# |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 22 02:49:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Jun 09 01:02:58 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

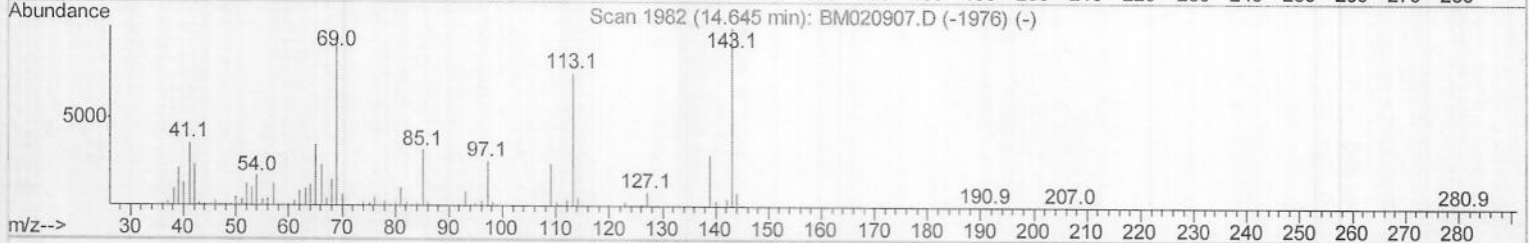
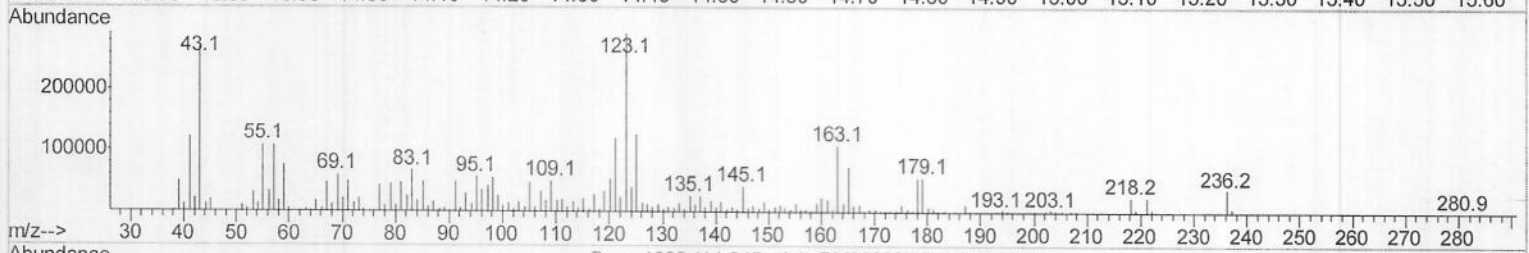
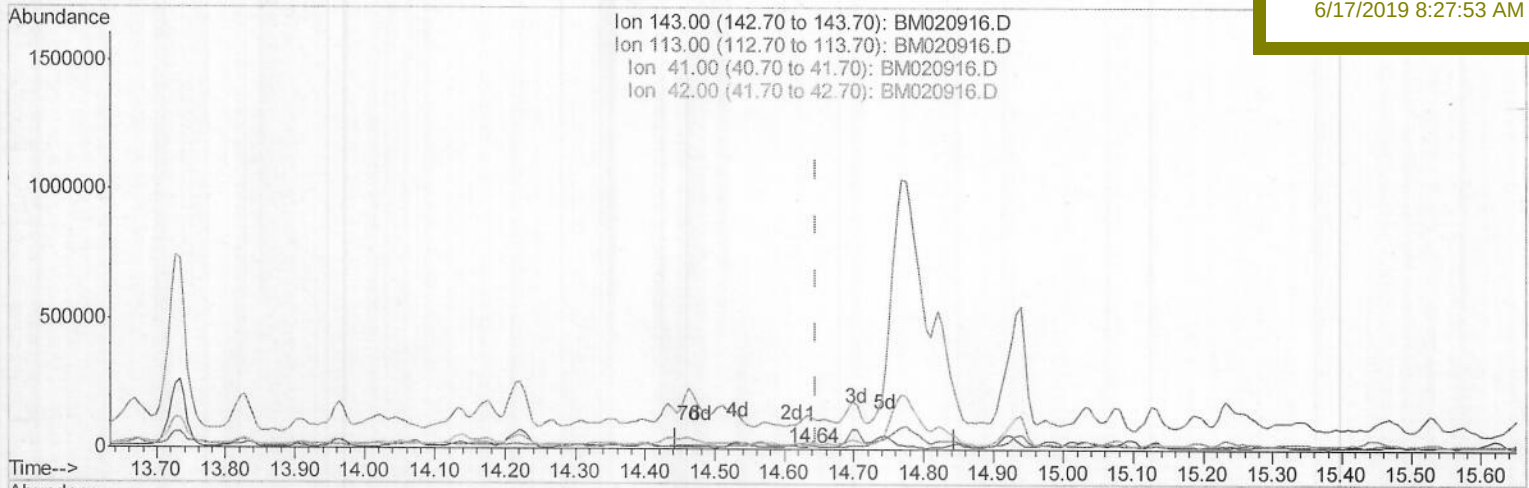
DB8J4

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TIC: BM020916.D

(51) 4-Nitrophenol-d4 (S)

14.639min (-0.006) 0.11ng/ul

response 1063

| Ion    | Exp%  | Act%     |
|--------|-------|----------|
| 143.00 | 100   | 100      |
| 113.00 | 77.50 | 182.77#  |
| 41.00  | 39.20 | 1388.01# |
| 42.00  | 27.70 | 259.86#  |



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 02:09:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 13 01:55:55 2019

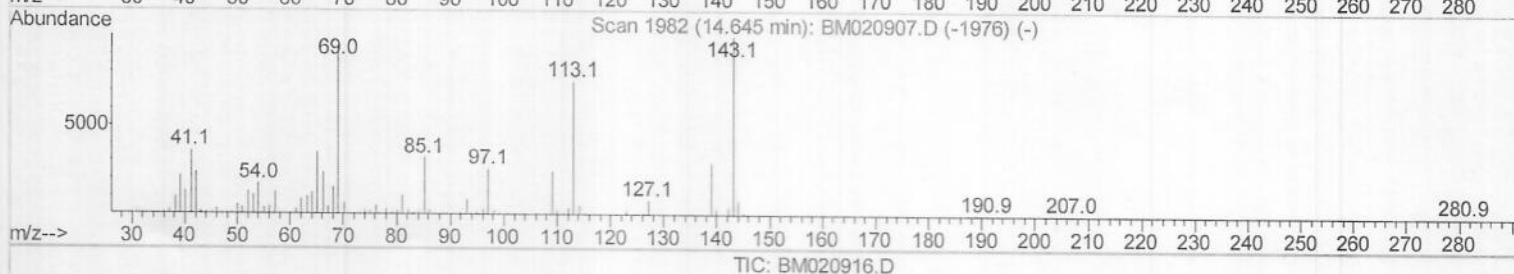
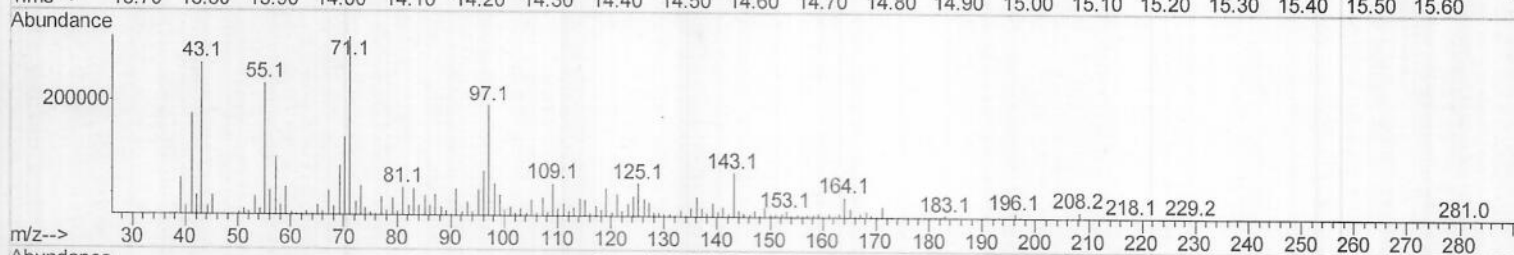
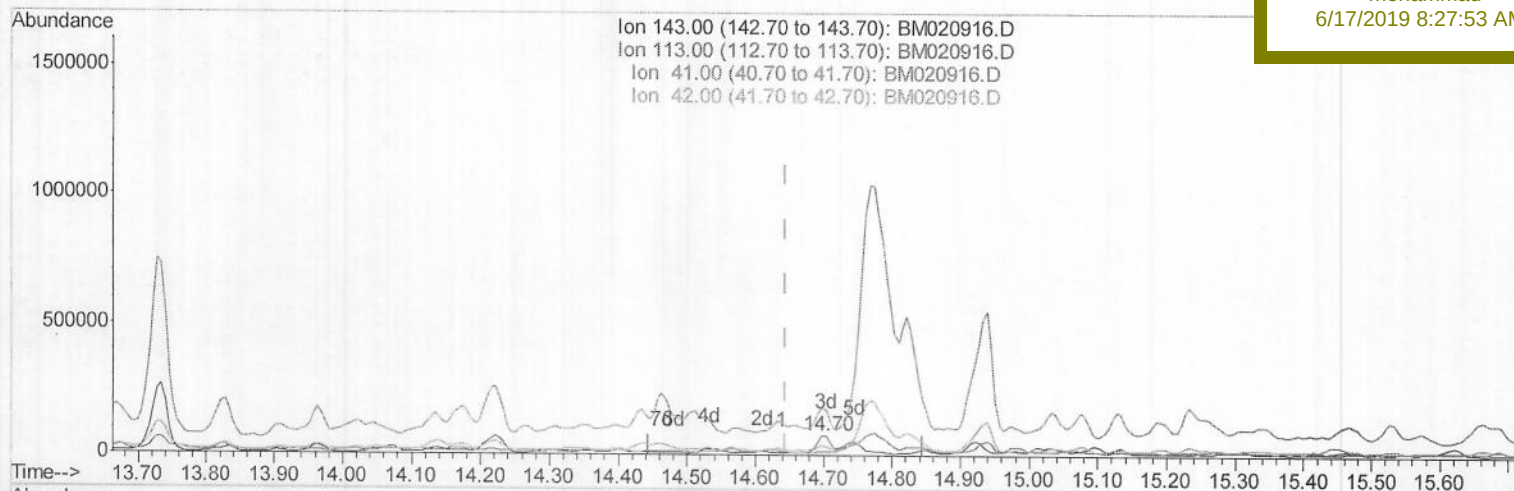
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DB8J4

Manual Integrations  
APPROVEDmohammad  
6/17/2019 8:27:53 AM

(51) 4-Nitrophenol-d4 (S)

14.704min (+0.059) 10.37ng/ul m

&gt; JU 06/20/19

response 97605

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 77.50 | 19.64#  |
| 41.00  | 39.20 | 226.96# |
| 42.00  | 27.70 | 43.66#  |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 22 02:49:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Jun 09 01:02:58 2019

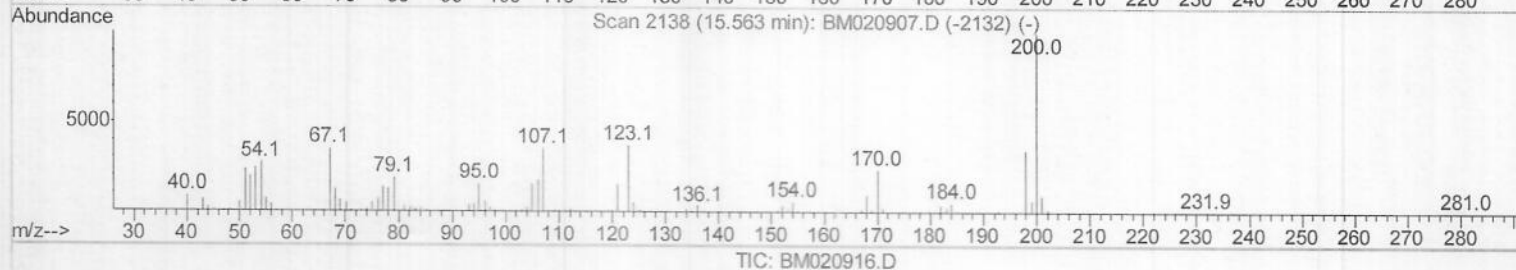
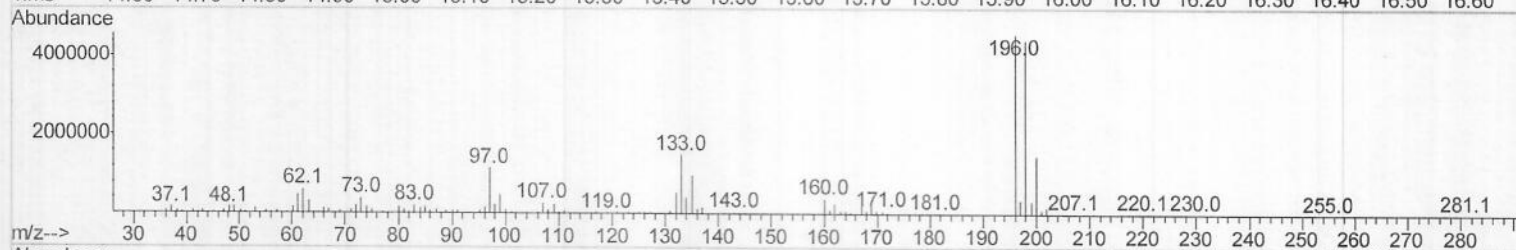
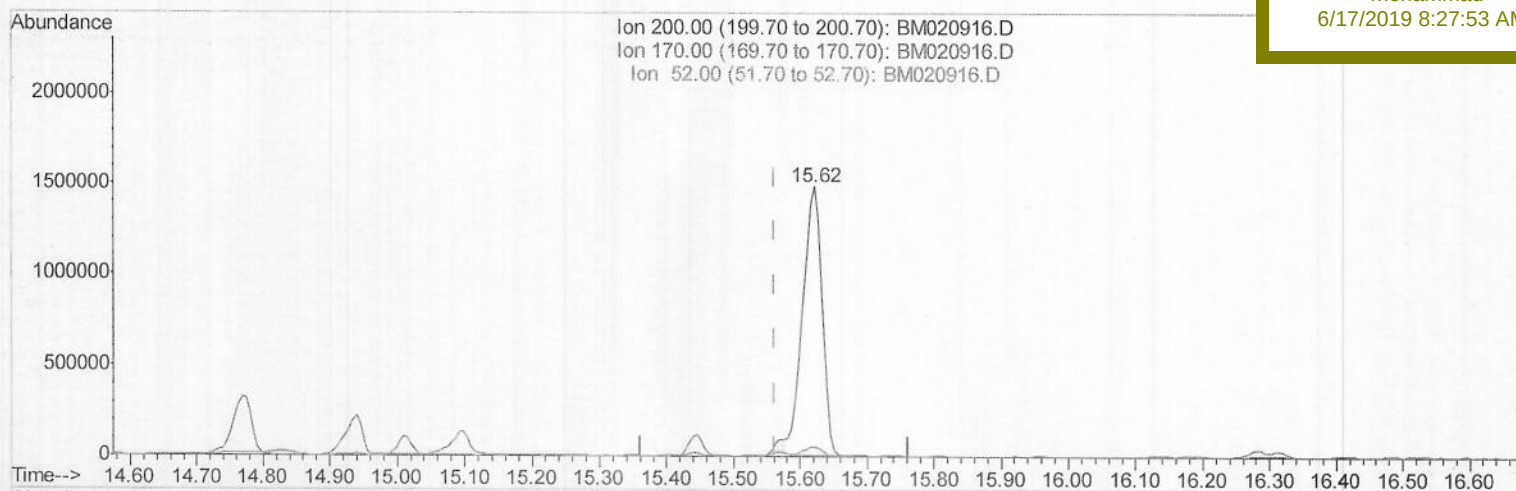
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DB8J4

Manual Integrations  
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6/17/2019 8:27:53 AM

TIC: BM020916.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.621min (+0.059) 391.18ng/ul

response 3005142

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 200.00 | 100   | 100   |
| 170.00 | 24.20 | 3.77# |
| 52.00  | 39.80 | 0.53# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 02:09:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 13 01:55:55 2019

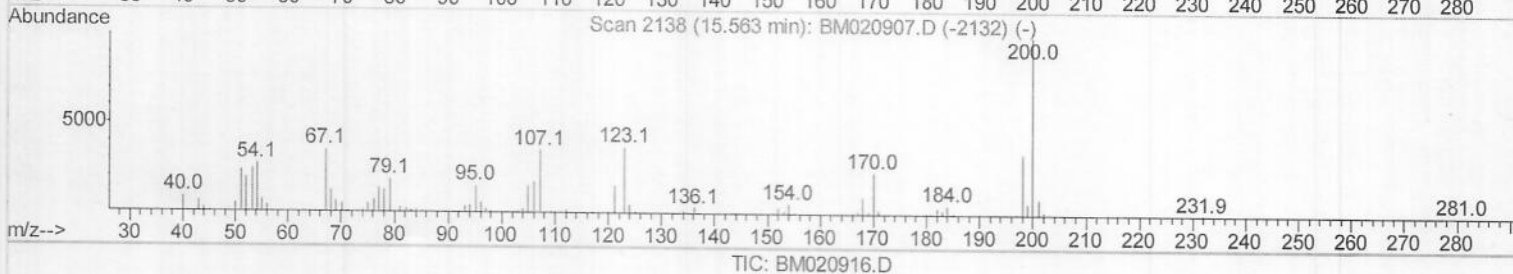
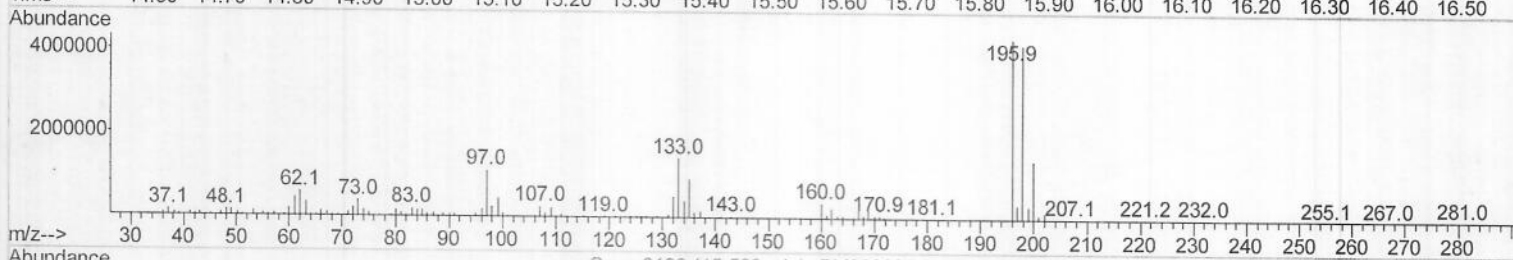
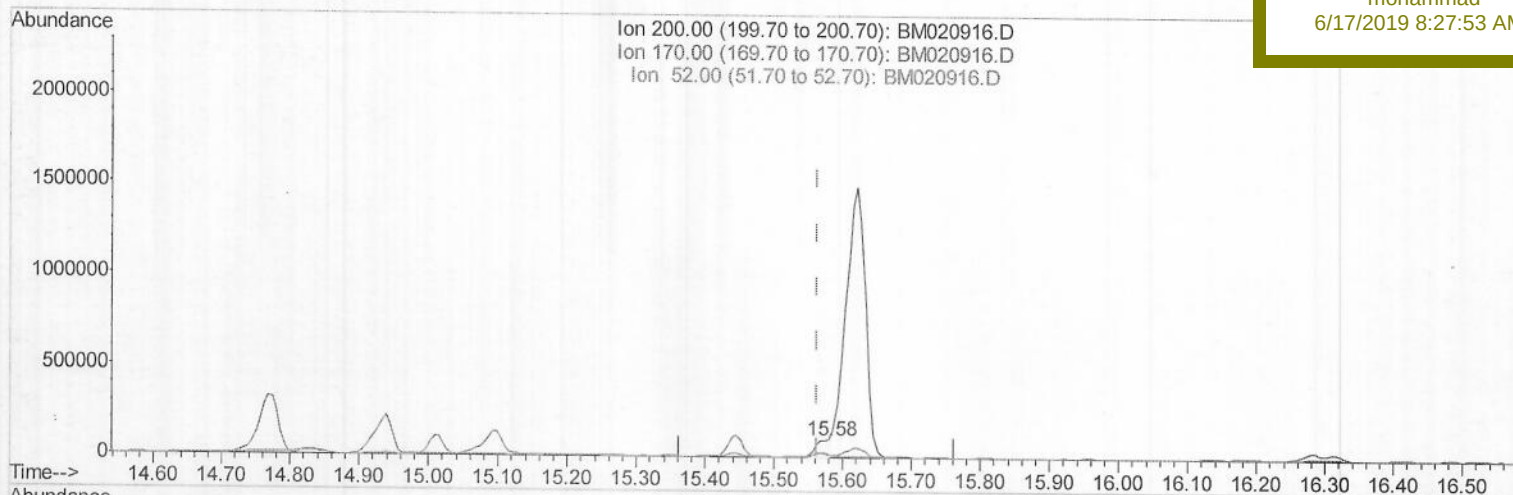
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DB8J4

Manual Integrations  
APPROVEDmohammad  
6/17/2019 8:27:53 AM

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.580min (+0.018) 18.98ng/ul m

7 JU 06/20/19

response 145796

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 24.20 | 16.18# |
| 52.00  | 39.80 | 14.09# |
| 0.00   | 0.00  | 0.00   |



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 22 02:49:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Jun 09 01:02:58 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

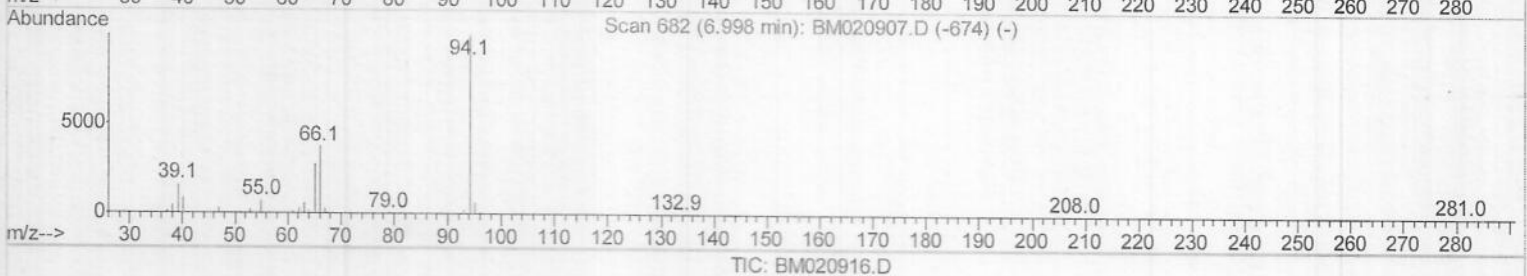
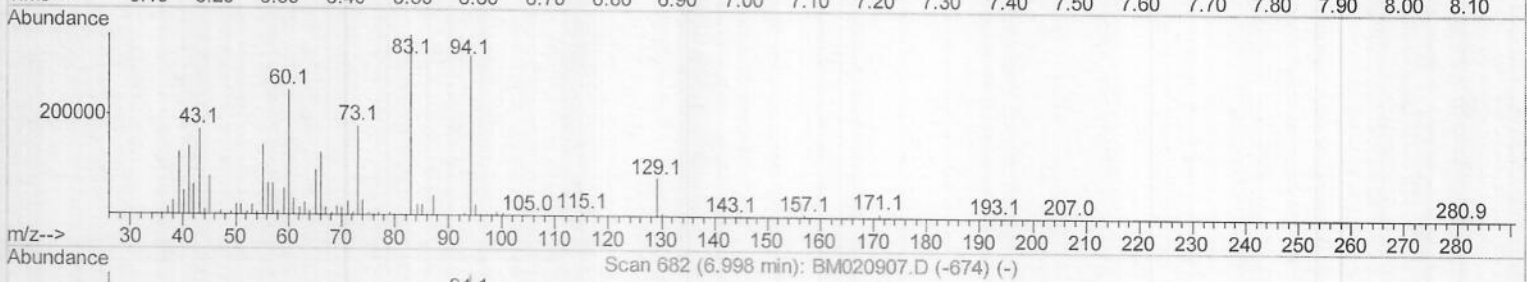
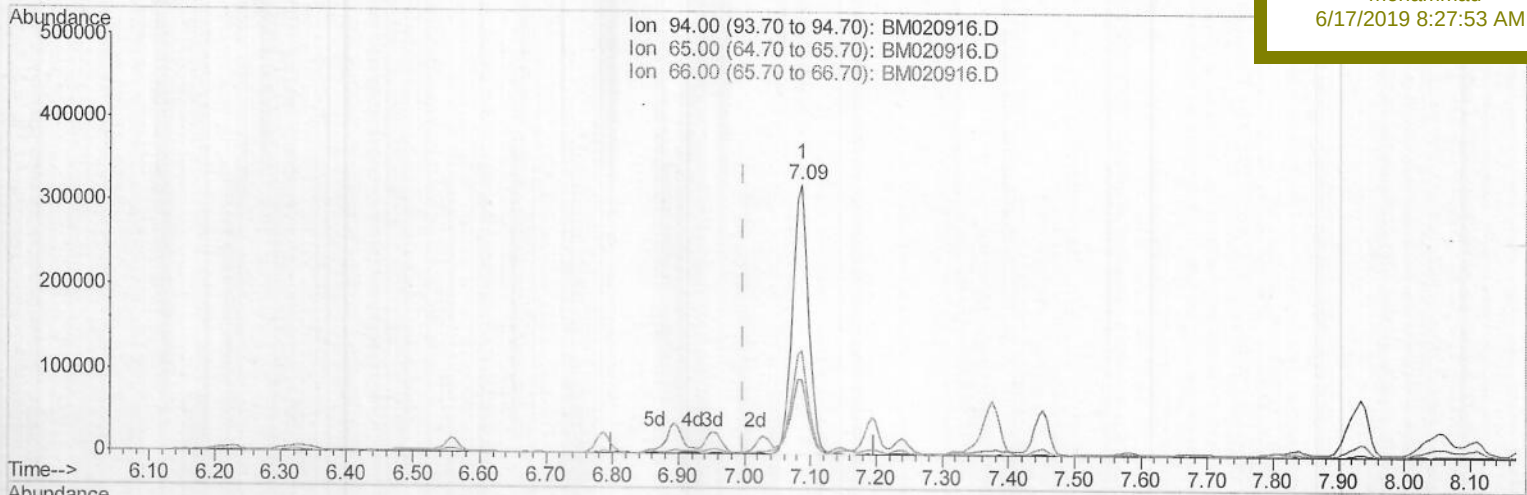
DB8J4

Manual Integrations

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6/17/2019 8:27:53 AM



(6) Phenol

7.087min (+0.088) 22.81ng/ul

response 555694

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 94.00 | 100   | 100   |
| 65.00 | 29.10 | 28.38 |
| 66.00 | 40.10 | 38.64 |
| 0.00  | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 02:09:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 13 01:55:55 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

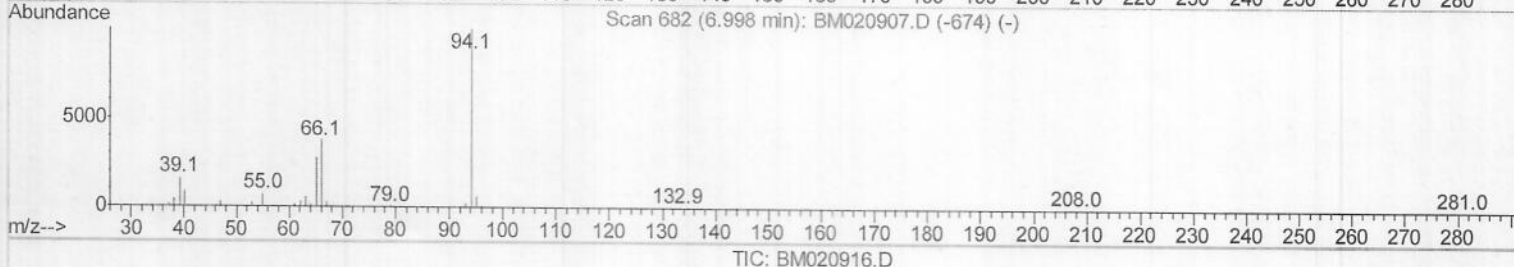
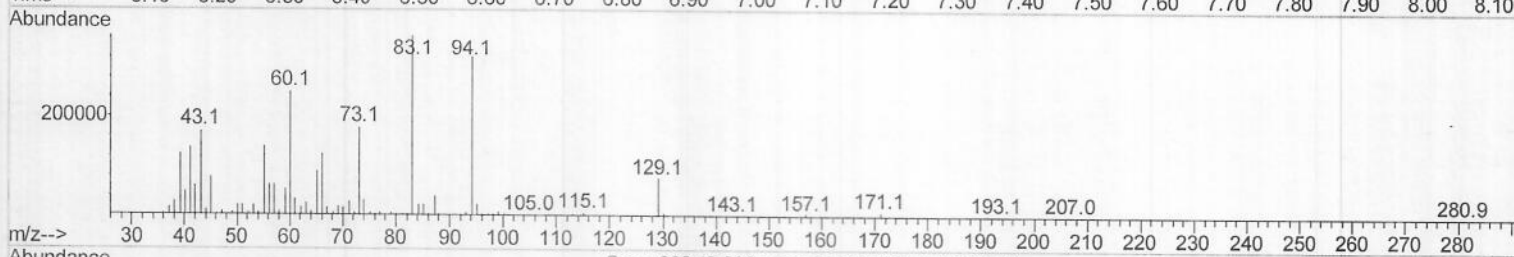
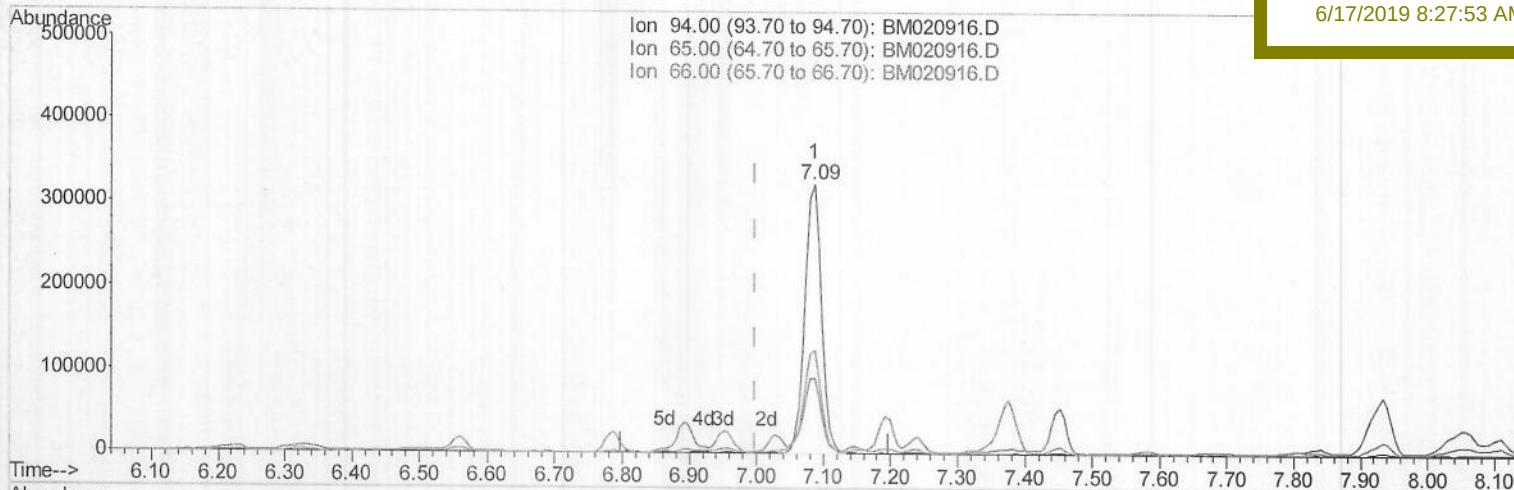
DB8J4

Manual Integrations

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mohammad

6/17/2019 8:27:53 AM



(6) Phenol

7.087min (+0.088) 22.88ng/ul m

> JU 06/20/19

response 557453

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 94.00 | 100   | 100   |
| 65.00 | 29.10 | 28.38 |
| 66.00 | 40.10 | 38.64 |
| 0.00  | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 22 02:49:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Jun 09 01:02:58 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

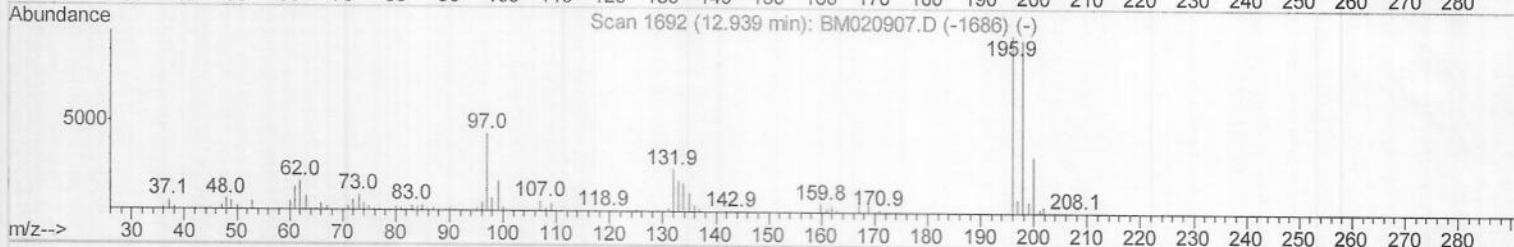
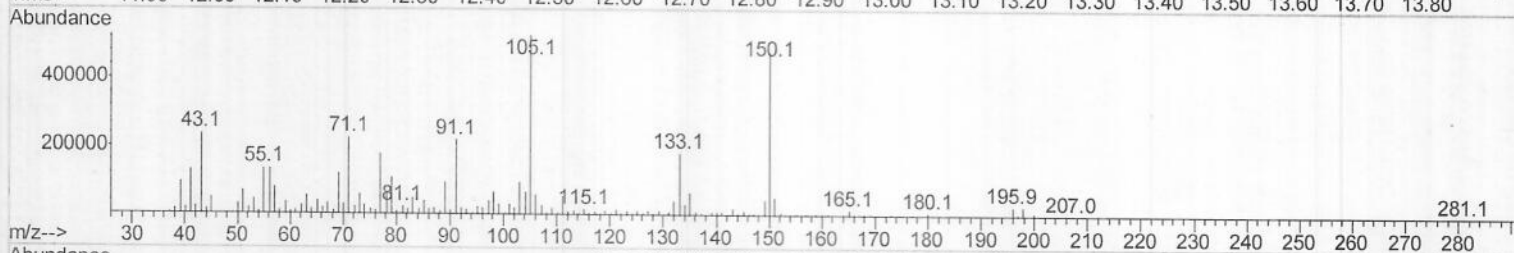
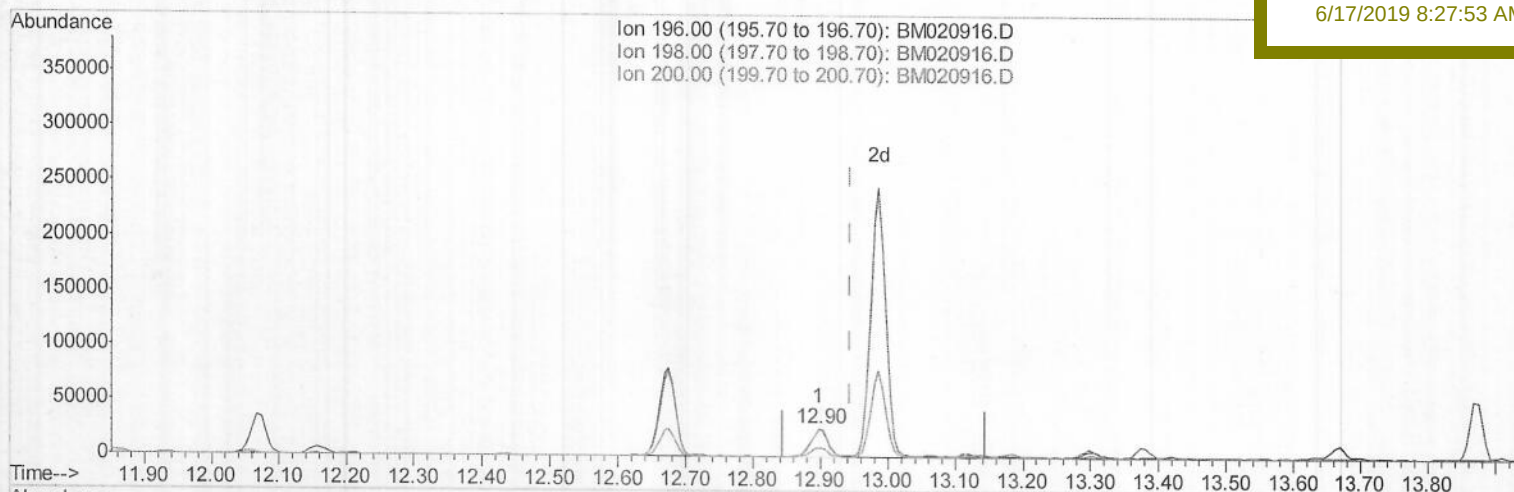
DB8J4

Manual Integrations

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mohammad

6/17/2019 8:27:53 AM



TIC: BM020916.D

(39) 2,4,5-Trichlorophenol

12.898min (-0.047) 2.77ng/ul

response 43480

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 196.00 | 100   | 100   |
| 198.00 | 94.10 | 94.40 |
| 200.00 | 31.20 | 29.95 |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\

Data File : BM020916.D

Acq On : 12 Jun 2019 22:44

Operator : HP/JU

Sample : K3215-10

Misc :

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 02:09:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 13 01:55:55 2019

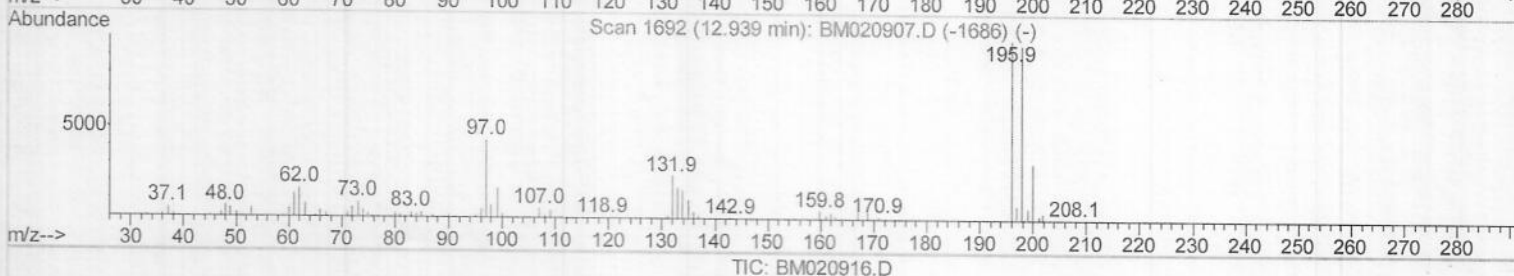
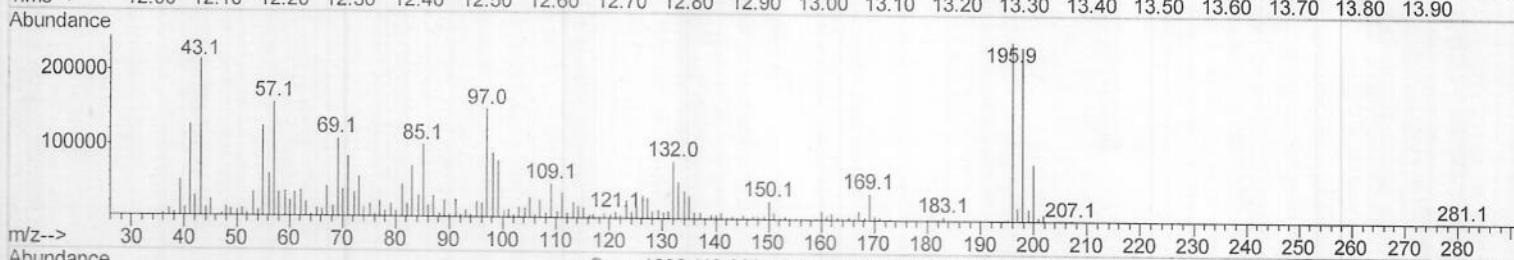
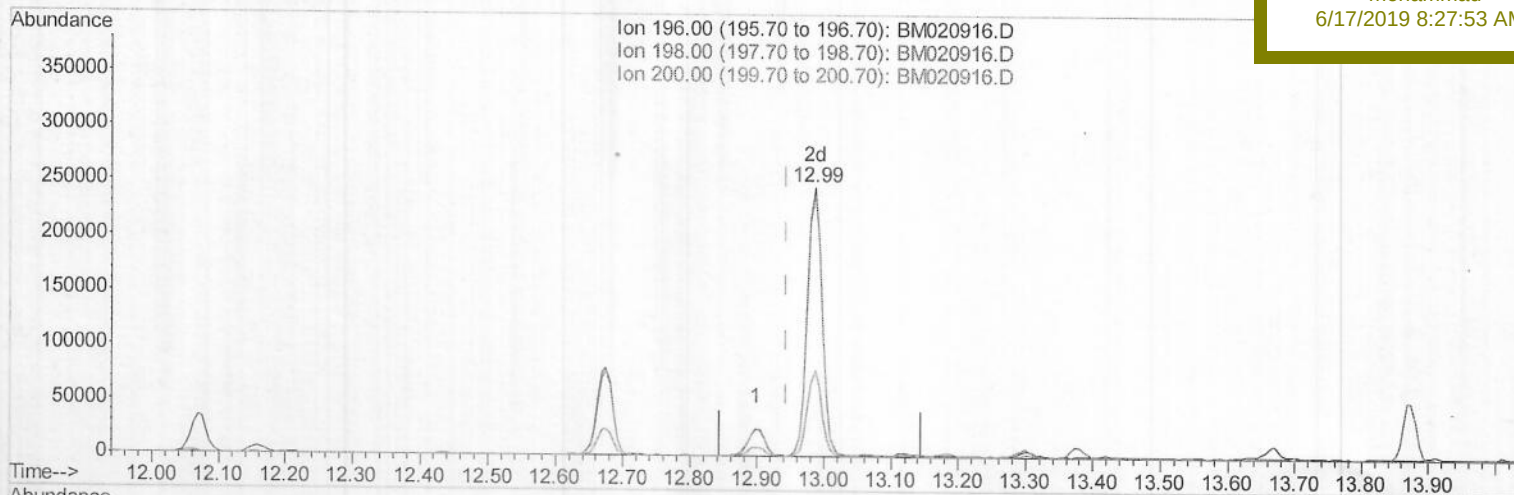
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

DB8J4

Manual Integrations  
APPROVEDmohammad  
6/17/2019 8:27:53 AM

(39) 2,4,5-Trichlorophenol

12.986min (+0.041) 23.98ng/ul m

&gt; JU 06/20/19

response 375828

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 196.00 | 100   | 100   |
| 198.00 | 94.10 | 97.29 |
| 200.00 | 31.20 | 32.10 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061219\  
 Data File : BM020916.D  
 Acq On : 12 Jun 2019 22:44  
 Operator : HP/JU  
 Sample : K3215-10  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 02:09:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 13 01:55:55 2019  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DB8J4

Manual Integrations  
 APPROVED

mohammad  
 6/17/2019 8:27:53 AM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 309325   | 20.00 | nq/ul | 0.00     |
| 18) Naphthalene-d8        | 10.60 | 136  | 1186430  | 20.00 | nq/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.44 | 164  | 741545   | 20.00 | nq/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.20 | 188  | 1502286  | 20.00 | nq/ul | 0.00     |
| 77) Chrysene-d12          | 21.37 | 240  | 1335382  | 20.00 | nq/ul | 0.00     |
| 85) Perylene-d12          | 23.65 | 264  | 1544963  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 11145   | 1.72  | nq/uL | 0.00 |
| 5) Phenol-d5                   | 7.06  | 99  | 192674m | 8.14  | nq/ul | 0.08 |
| 7) Bis-(2-Chloroethyl) ether-d | 7.15  | 67  | 376704  | 26.55 | nq/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 474277  | 25.16 | nq/ul | 0.04 |
| 13) 4-Methylphenol-d8          | 8.56  | 113 | 309147m | 16.24 | nq/ul | 0.05 |
| 19) Nitrobenzene-d5            | 8.97  | 128 | 271776  | 33.56 | nq/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.69  | 143 | 303958  | 36.46 | nq/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.25 | 165 | 565316  | 32.51 | nq/ul | 0.03 |
| 29) 4-Chloroaniline-d4         | 10.78 | 131 | 9871m   | 0.47  | nq/ul | 0.04 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 1652423 | 30.12 | nq/ul | 0.01 |
| 46) Acenaphthylene-d8          | 14.14 | 160 | 2055563 | 29.56 | nq/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 97605m  | 10.37 | nq/ul | 0.06 |
| 57) Fluorene-d10               | 15.44 | 176 | 1423372 | 30.54 | nq/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 145796m | 18.98 | nq/ul | 0.02 |
| 70) Anthracene-d10             | 17.30 | 188 | 2090113 | 31.85 | nq/ul | 0.00 |
| 78) Pyrene-d10                 | 19.59 | 212 | 2150068 | 33.31 | nq/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.50 | 264 | 2427043 | 34.56 | ng/ul | 0.00 |

## Target Compounds

|                               |       |     |          |          | Ovalue |    |
|-------------------------------|-------|-----|----------|----------|--------|----|
| 6) Phenol                     | 7.09  | 94  | 557453m  | 22.881   | nq/ul  |    |
| 21) Isophorone                | 9.55  | 82  | 4556643  | 120.964  | nq/ul# | 94 |
| 28) Naphthalene               | 10.65 | 128 | 828732   | 14.872   | nq/ul  | 98 |
| 34) 2-Methylnaphthalene       | 12.26 | 142 | 269908   | 6.595    | nq/ul  | 90 |
| 38) 2,4,6-Trichlorophenol     | 12.90 | 196 | 43276    | 2.999    | nq/ul  | 97 |
| 39) 2,4,5-Trichlorophenol     | 12.99 | 196 | 375828m  | 23.977   | nq/ul  |    |
| 40) 1,1'-Biphenyl             | 13.28 | 154 | 60777    | 1.056    | nq/ul# | 59 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.10 | 232 | 2550781  | 193.677  | nq/ul  | 90 |
| 68) Pentachlorophenol         | 16.88 | 266 | 19875849 | 1893.770 | nq/ul  | 97 |
| 73) Pentachlorobenzene        | 14.76 | 250 | 26660    | 1.271    | nq/uL  | 97 |

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

JU  
 06/20/19