

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091918\  
 Data File : BM016808.D  
 Acq On : 19 Sep 2018 22:26  
 Operator : SJ/JU  
 Sample : J4896-14  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Sep 20 03:07:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 20 03:06:22 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 317243   | 20.00 | ng/ul | 0.01     |
| 18) Naphthalene-d8        | 10.52 | 136  | 1315799  | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.36 | 164  | 715460   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.11 | 188  | 1581501  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.30 | 240  | 1802569  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.53 | 264  | 1927708  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 65451   | 8.82  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 586754  | 21.93 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 370437  | 22.35 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 501376  | 22.96 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 472375  | 22.81 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.88  | 128 | 231624  | 26.79 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.59  | 143 | 225920  | 28.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.13 | 165 | 455087  | 22.79 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.65 | 131 | 587431  | 24.36 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.77 | 166 | 1332315 | 23.19 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.05 | 160 | 1595421 | 21.50 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.56 | 143 | 223794  | 23.74 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.36 | 176 | 1183974 | 23.61 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 146253  | 22.53 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.21 | 188 | 1832845 | 24.02 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.50 | 212 | 2102393 | 24.04 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.39 | 264 | 2448937 | 24.35 | ng/ul | 0.00 |

## Target Compounds

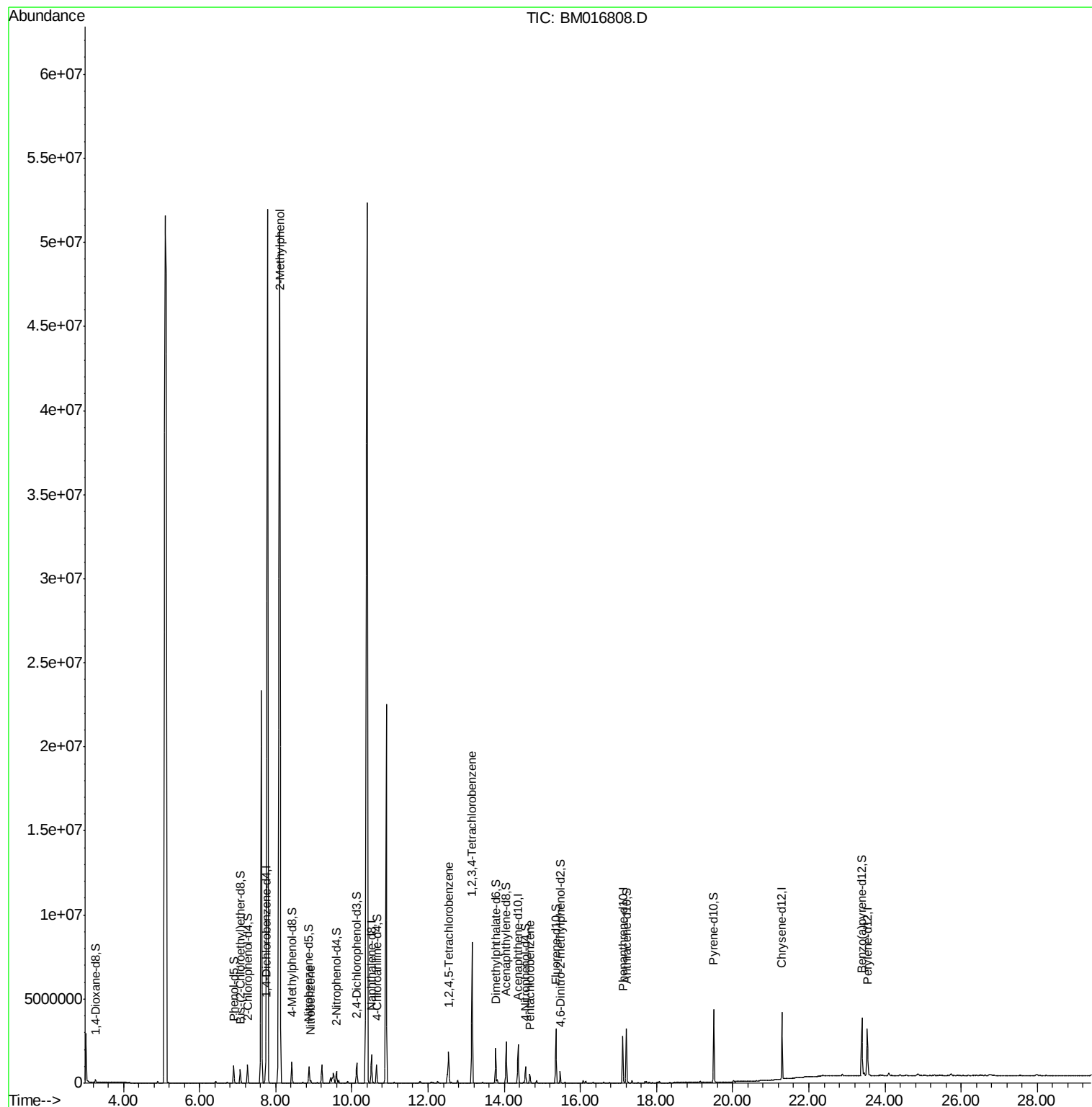
|                                |       |     |         |         | Ovalue   |
|--------------------------------|-------|-----|---------|---------|----------|
| 11) 2-Methylphenol             | 8.10  | 108 | 267661  | 13.371  | ng/ul 96 |
| 20) Nitrobenzene               | 8.92  | 77  | 94685   | 4.330   | ng/ul 91 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216 | 615067  | 25.032  | ng/ul 97 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.15 | 216 | 2618297 | 100.030 | ng/uL 98 |
| 74) Pentachlorobenzene         | 14.67 | 250 | 137893  | 5.840   | ng/uL 97 |

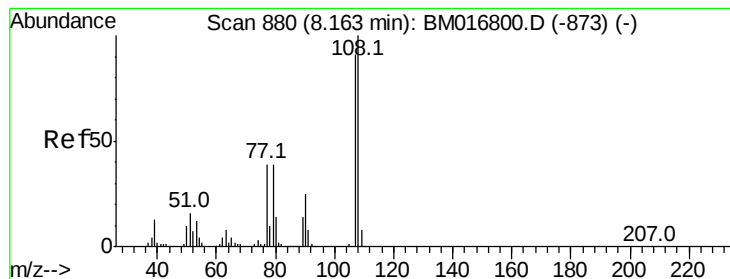
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 20 03:06:22 2018  
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#11

2-Methylphenol

Concen: 13.371 ng/ul

RT: 8.10 min Scan# 870

Delta R.T. -0.06 min

Lab File: BM016808.D

Acq: 19 Sep 2018 22:26

Instrument :

BNA\_M

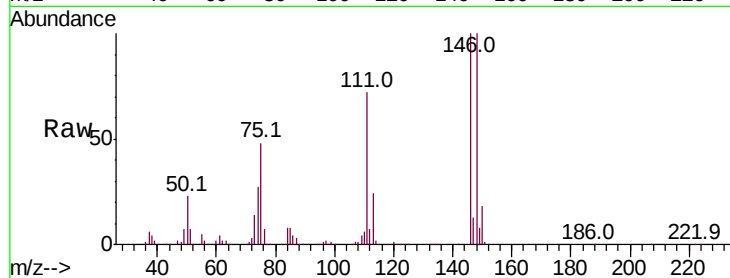
ClientSampleId :

Tot Ion:108 Resp: 267661

Ion Ratio Lower Upper

108 100

107 88.5 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.10

120000

100000

80000

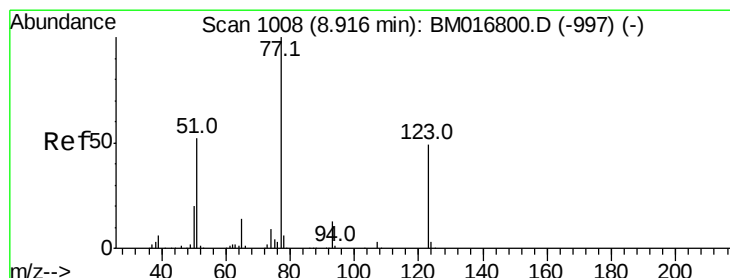
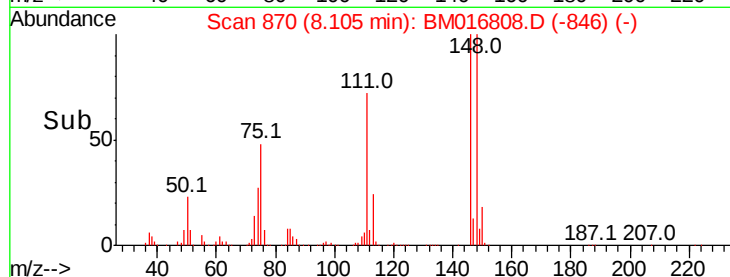
60000

40000

20000

0

Time--> 8.00 8.05 8.10 8.15



#20

Nitrobenzene

Concen: 4.330 ng/ul

RT: 8.92 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BM016808.D

Acq: 19 Sep 2018 22:26

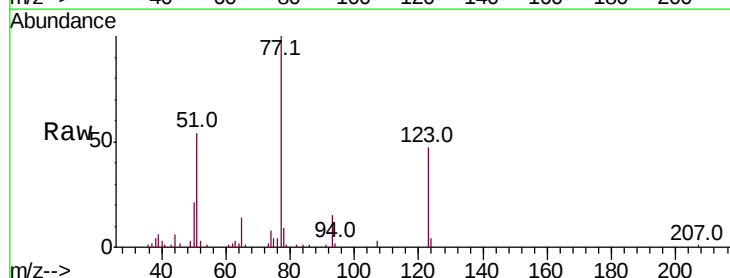
Tgt Ion: 77 Resp: 94685

Ion Ratio Lower Upper

77 100

123 46.6 31.8 47.8

65 13.7 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0

8.92

80000

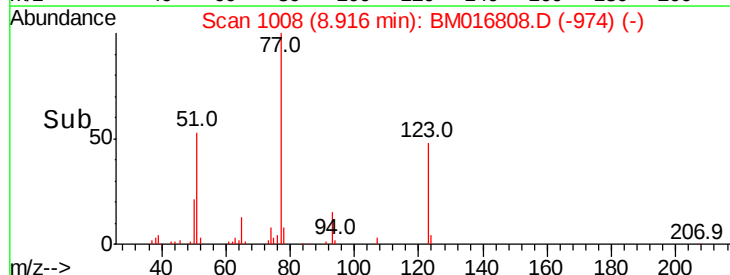
60000

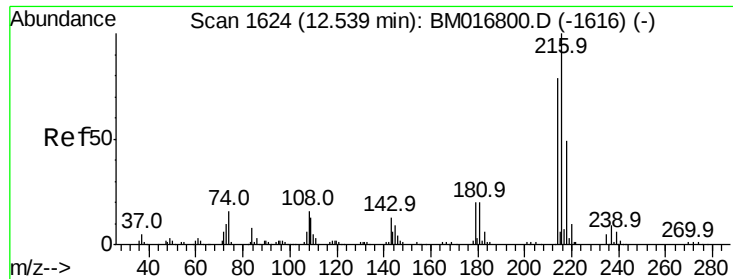
40000

20000

0

Time--> 8.80 8.85 8.90 8.95 9.00

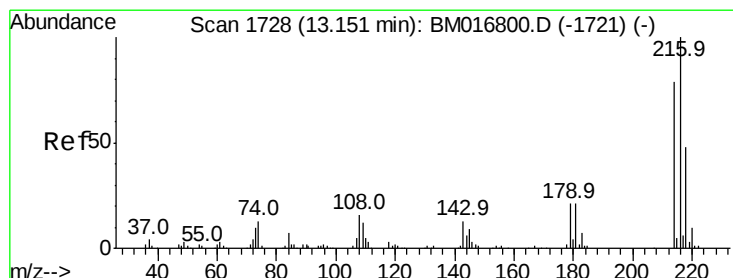
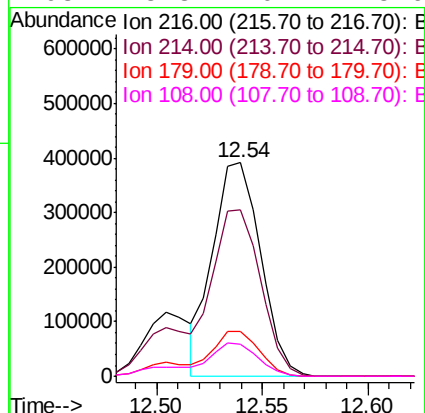
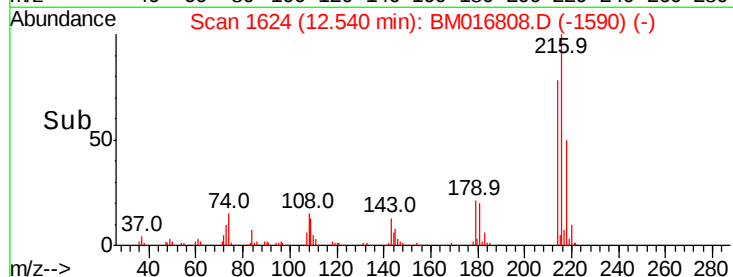
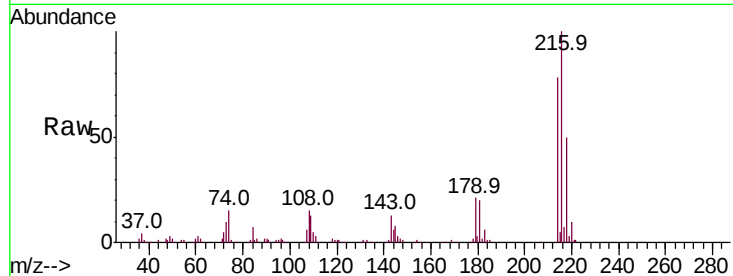




#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 25.032 ng/uL  
 RT: 12.54 min Scan# 1624  
 Delta R.T. 0.00 min  
 Lab File: BM016808.D  
 Acq: 19 Sep 2018 22:26

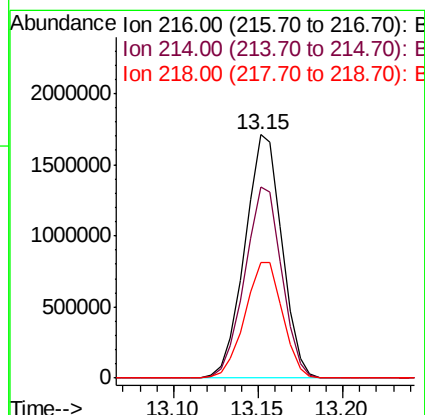
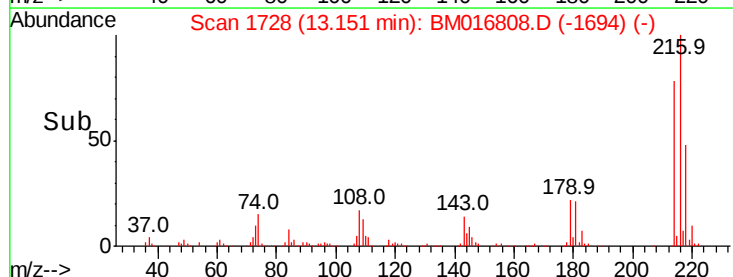
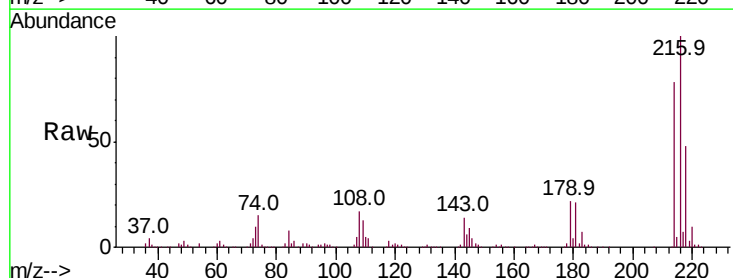
Instrument :  
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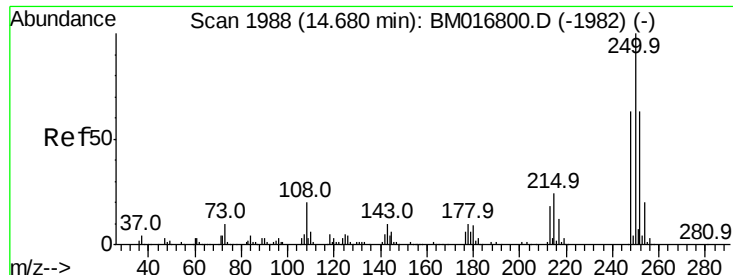
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 615067 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 77.9  | 64.1  | 96.1   |
| 179      | 20.7  | 14.5  | 21.7   |
| 108      | 15.3  | 10.4  | 15.6   |



#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 100.030 ng/uL  
 RT: 13.15 min Scan# 1728  
 Delta R.T. 0.00 min  
 Lab File: BM016808.D  
 Acq: 19 Sep 2018 22:26

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 216   | Resp: | 2618297 |
| Ion      | Ratio | Lower | Upper   |
| 216      | 100   |       |         |
| 214      | 78.4  | 64.1  | 96.1    |
| 218      | 47.6  | 39.4  | 59.0    |





#74

Pentachlorobenzene

Concen: 5.840 ng/uL

RT: 14.67 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BM016808.D

Acq: 19 Sep 2018 22:26

Instrument :

BNA\_M

ClientSampleId :

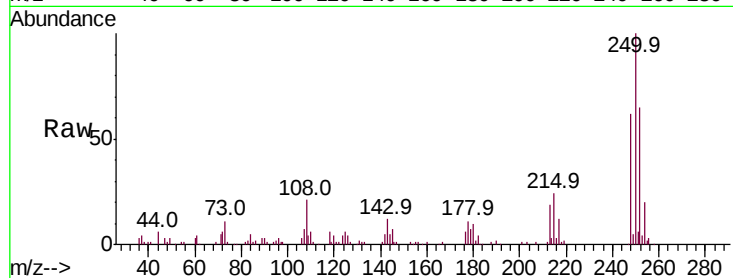
Tot Ion:250 Resp: 137893

Ion Ratio Lower Upper

250 100

248 61.6 51.4 77.2

252 64.7 49.8 74.6



Abundance

Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

