

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\  
 Data File : BM012363.D  
 Acq On : 21 Oct 2017 17:37  
 Operator : SJ/JU  
 Sample : I5756-16  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 23 05:07:29 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 23 05:01:01 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 219036   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.57 | 136  | 995488   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.42 | 164  | 627778   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.17 | 188  | 1457346  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 1503342  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.65 | 264  | 1215009  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 18584   | 4.03  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.94  | 99  | 407182  | 22.91 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 262861  | 24.66 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 366806  | 24.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.49  | 113 | 348203  | 22.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.94  | 128 | 184609  | 24.30 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.66  | 143 | 216464  | 24.39 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.20 | 165 | 403577  | 23.81 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 427800  | 26.97 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.83 | 166 | 1490393 | 26.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.11 | 160 | 1761277 | 26.22 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.68 | 143 | 123940  | 14.86 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.42 | 176 | 1262187 | 27.72 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 176536  | 17.65 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.27 | 188 | 1889605 | 26.22 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.57 | 212 | 2248727 | 29.47 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.50 | 264 | 1622327 | 27.70 | ng/ul | 0.00 |

## Target Compounds

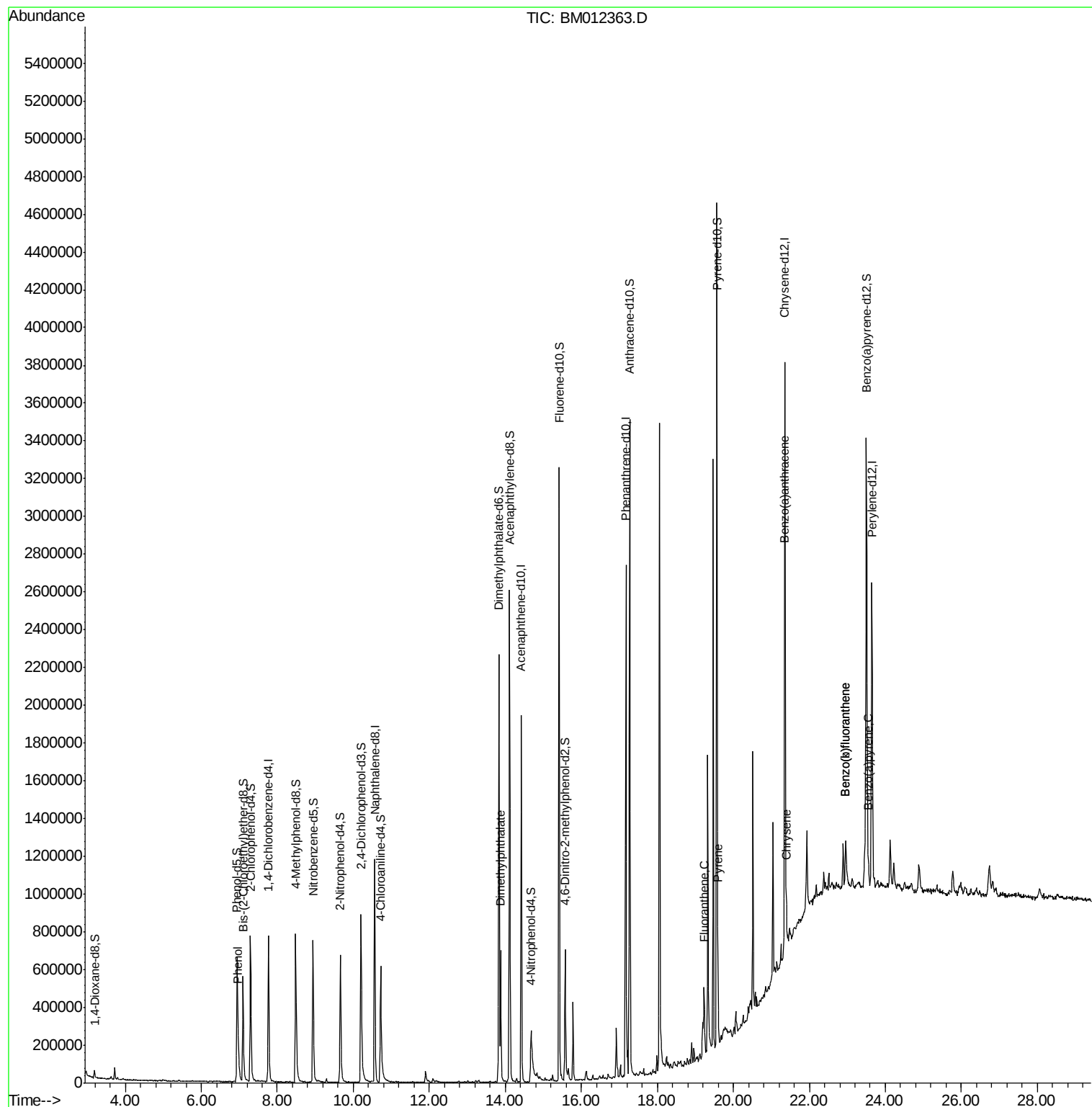
|                          |       |     |        |       | Ovalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 6) Phenol                | 6.97  | 94  | 75649  | 4.118 | ng/ul# | 87 |
| 44) Dimethylphthalate    | 13.88 | 163 | 442475 | 7.960 | ng/ul  | 99 |
| 74) Fluoranthene         | 19.24 | 202 | 162776 | 1.627 | ng/ul# | 96 |
| 77) Pyrene               | 19.59 | 202 | 187854 | 1.892 | ng/ul# | 95 |
| 80) Benzo(a)anthracene   | 21.34 | 228 | 100548 | 1.028 | ng/ul  | 95 |
| 82) Chrysene             | 21.39 | 228 | 102892 | 1.120 | ng/ul  | 95 |
| 85) Benzo(b)fluoranthene | 22.96 | 252 | 116441 | 1.469 | ng/ul# | 83 |
| 86) Benzo(k)fluoranthene | 22.96 | 252 | 116441 | 1.524 | ng/ul# | 84 |
| 88) Benzo(a)pyrene       | 23.55 | 252 | 77905  | 1.042 | ng/ul# | 89 |

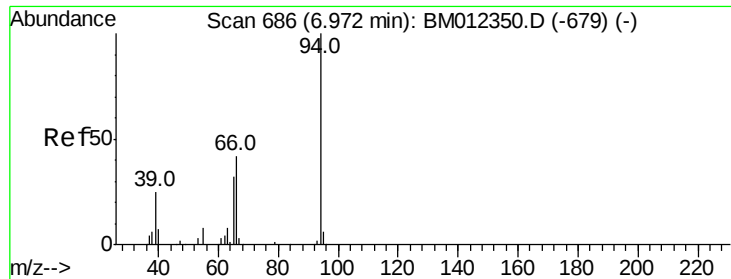
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

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BNA\_M  
ClientSampleId :

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Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 23 05:01:01 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 4.118 ng/ul

RT: 6.97 min Scan# 686

Delta R.T. -0.00 min

Lab File: BM012363.D

Acq: 21 Oct 2017 17:37

Instrument :

BNA\_M

ClientSampled :

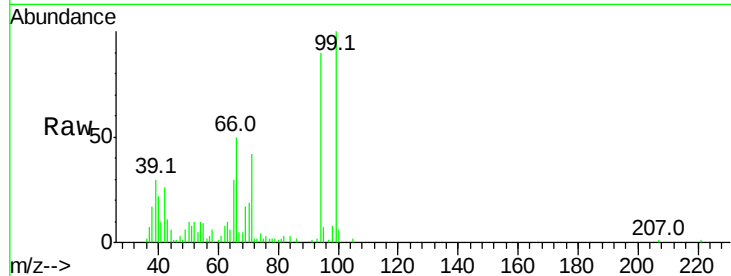
Tot Ion: 94 Resp: 75649

Ion Ratio Lower Upper

94 100

65 33.0 24.4 36.6

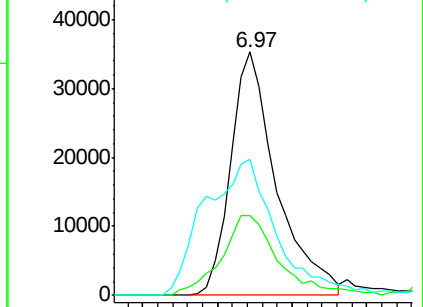
66 55.9 35.0 52.4#



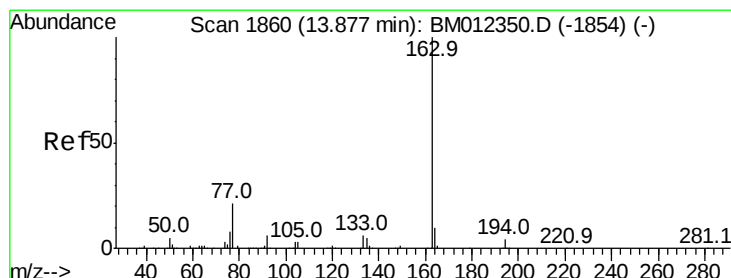
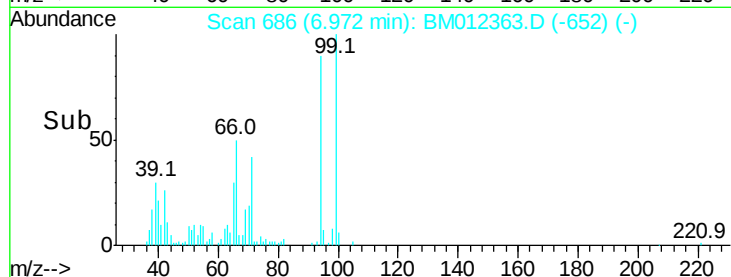
Abundance Ion 94.00 (93.70 to 94.70): BM012350.D (-679) (-)

Ion 65.00 (64.70 to 65.70): BM012350.D (-679) (-)

Ion 66.00 (65.70 to 66.70): BM012350.D (-679) (-)



Time-->



#44

Dimethylphthalate

Concen: 7.960 ng/ul

RT: 13.88 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BM012363.D

Acq: 21 Oct 2017 17:37

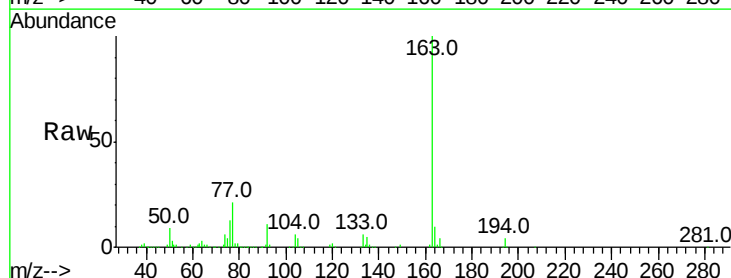
Tgt Ion:163 Resp: 442475

Ion Ratio Lower Upper

163 100

194 4.1 3.7 5.5

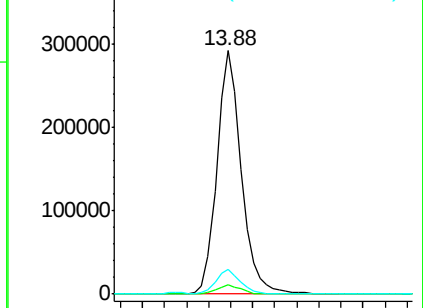
164 10.1 8.1 12.1



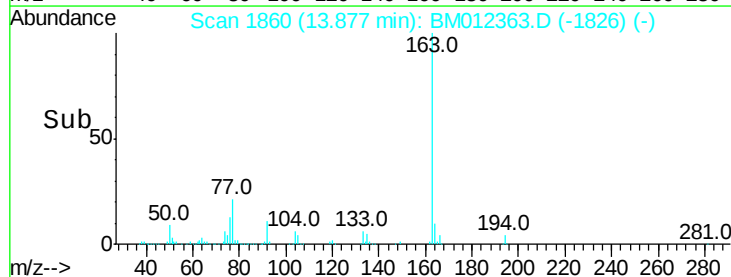
Abundance Ion 163.00 (162.70 to 163.70): BM012350.D (-1854) (-)

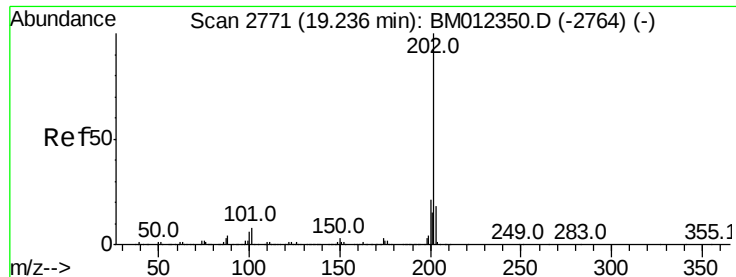
Ion 194.00 (193.70 to 194.70): BM012350.D (-1854) (-)

Ion 164.00 (163.70 to 164.70): BM012350.D (-1854) (-)



Time-->





#74

Fluoranthene

Concen: 1.627 ng/ul

RT: 19.24 min Scan# 2771

Delta R.T. -0.00 min

Lab File: BM012363.D

Acq: 21 Oct 2017 17:37

Instrument :

BNA\_M

ClientSampleId :

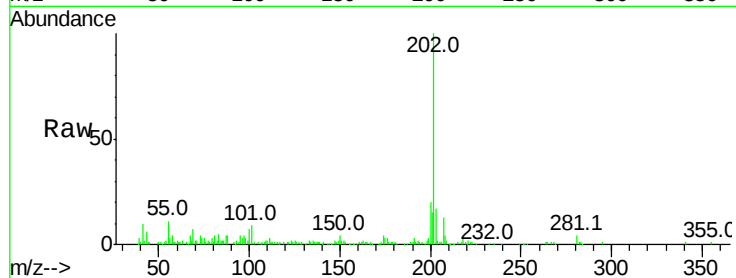
Tot Ion:202 Resp: 162776

Ion Ratio Lower Upper

202 100

101 8.5 5.8 8.6

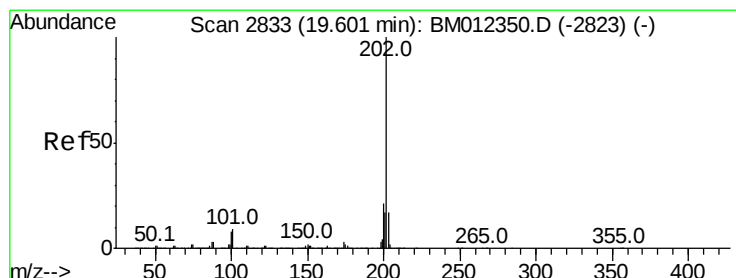
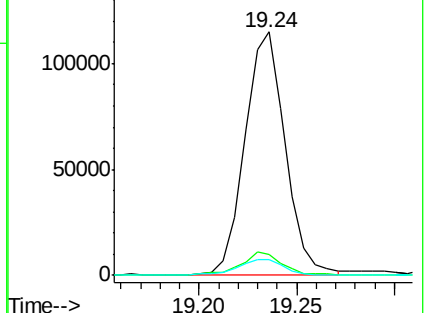
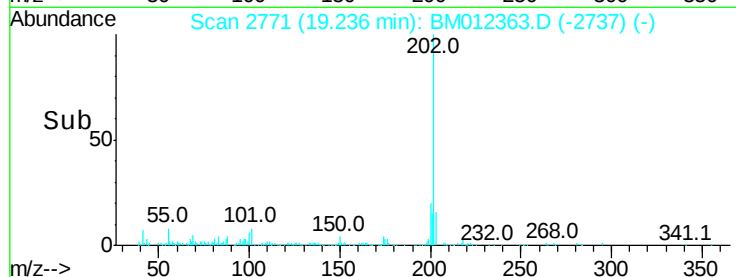
100 6.7 4.3 6.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 1.892 ng/ul

RT: 19.59 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BM012363.D

Acq: 21 Oct 2017 17:37

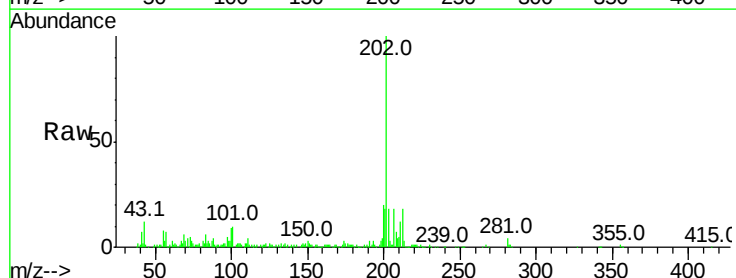
Tgt Ion:202 Resp: 187854

Ion Ratio Lower Upper

202 100

101 9.6 6.5 9.7

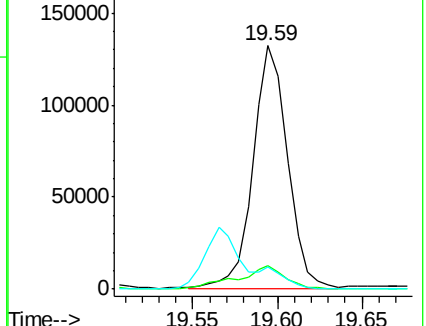
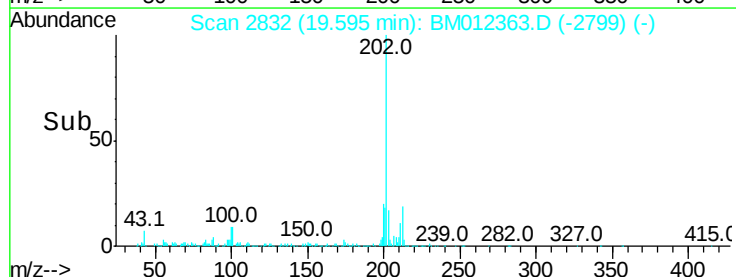
100 9.2 5.6 8.4#

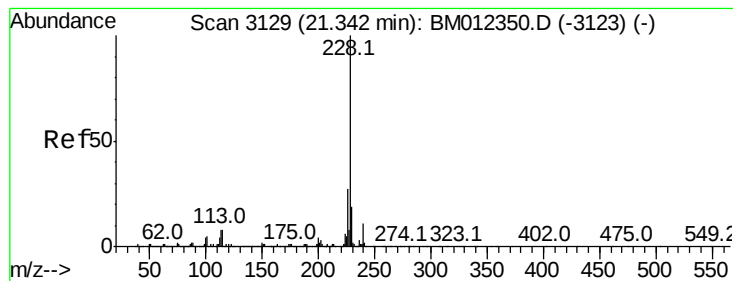


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.028 ng/ul

RT: 21.34 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BM012363.D

Acq: 21 Oct 2017 17:37

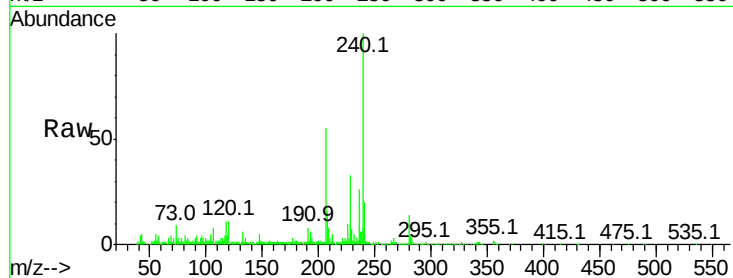
Instrument :

BNA\_M

ClientSampled :

Tot Ion:228 Resp: 100548

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 22.1  | 15.8  | 23.8  |
| 226 | 29.0  | 21.4  | 32.2  |

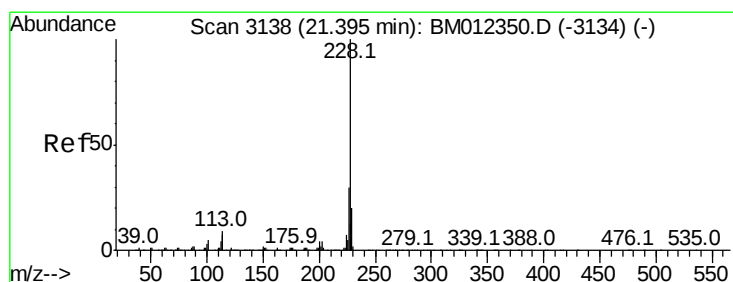
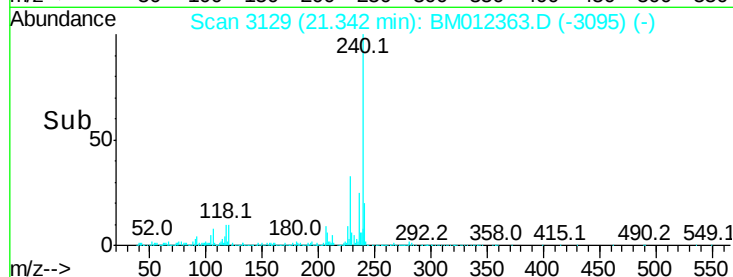
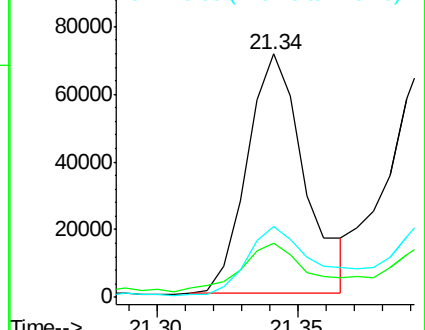


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 1.120 ng/ul

RT: 21.39 min Scan# 3138

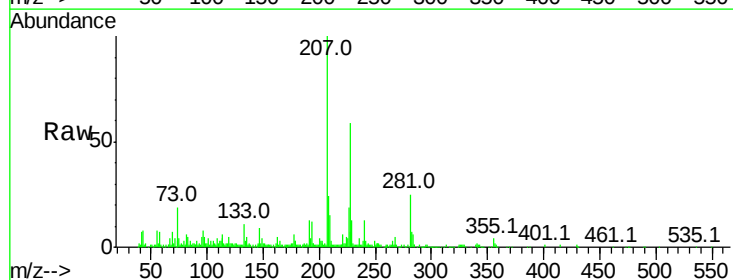
Delta R.T. -0.00 min

Lab File: BM012363.D

Acq: 21 Oct 2017 17:37

Tgt Ion:228 Resp: 102892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.9  | 24.0  | 36.0  |
| 229 | 22.2  | 15.5  | 23.3  |

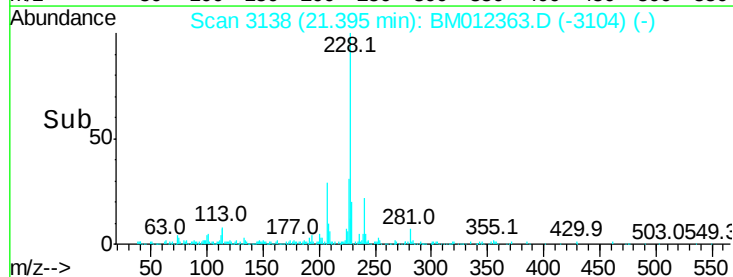
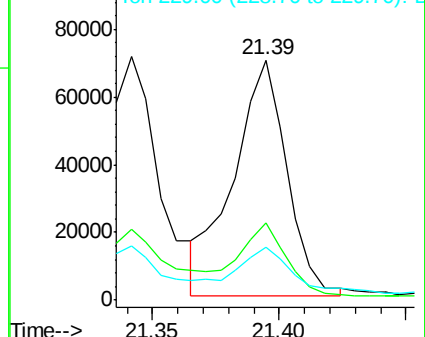


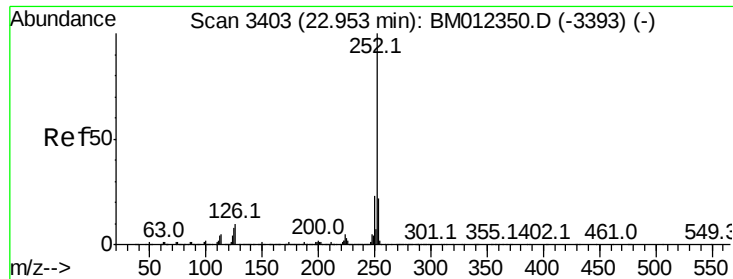
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

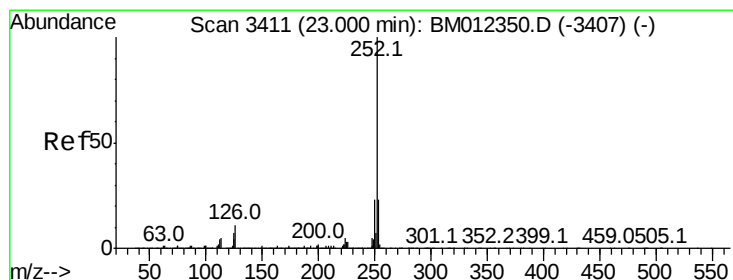
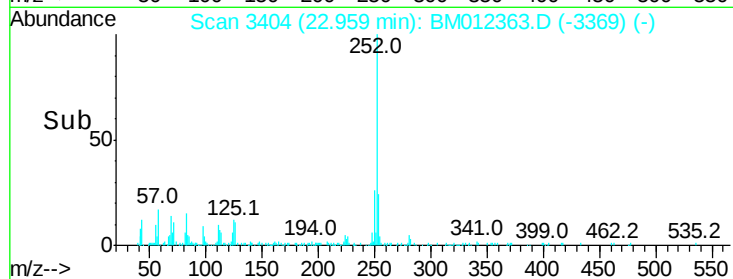
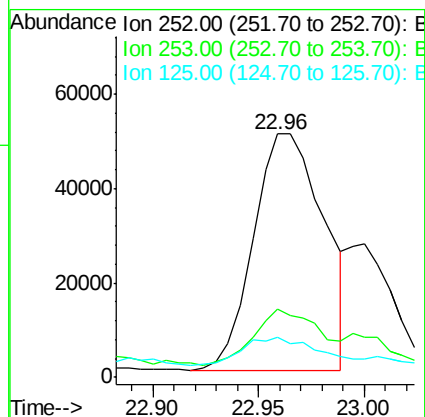
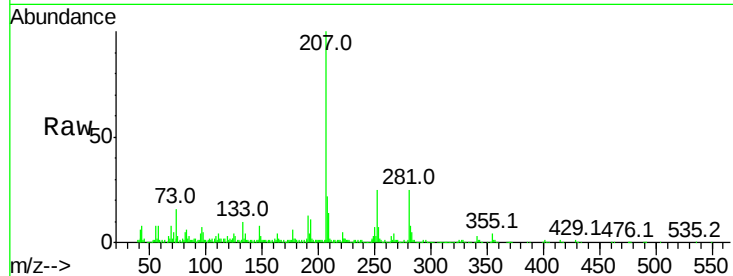




#85  
Benzo(b)fluoranthene  
Concen: 1.469 ng/ul  
RT: 22.96 min Scan# 3404  
Delta R.T. 0.01 min  
Lab File: BM012363.D  
Acq: 21 Oct 2017 17:37

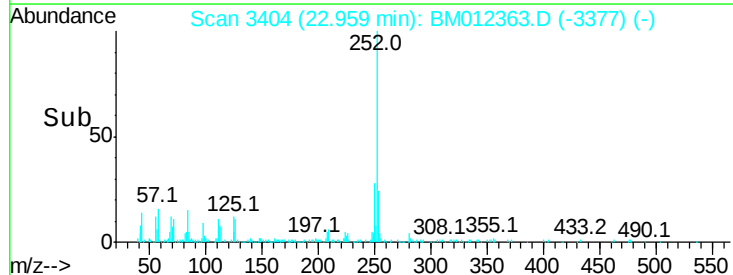
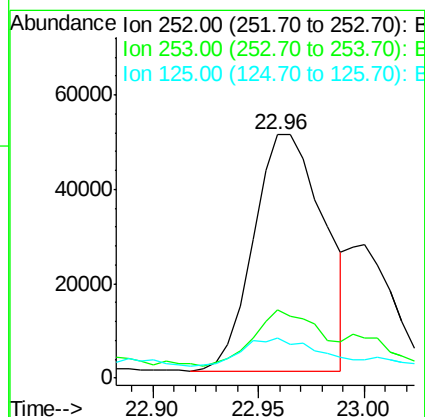
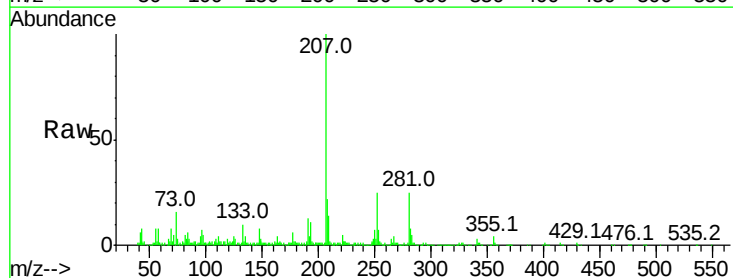
Instrument :  
BNA\_M  
ClientSampleId :

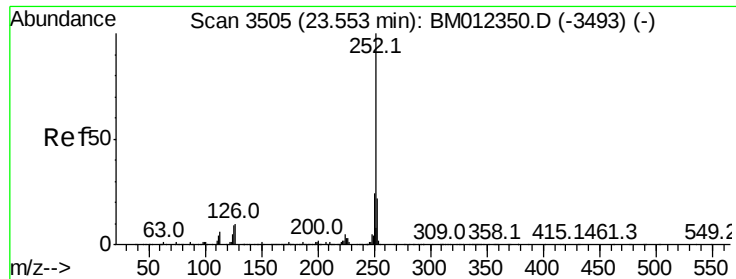
Tot Ion:252 Resp: 116441  
Ion Ratio Lower Upper  
252 100  
253 27.8 17.4 26.2#  
125 16.5 5.1 7.7#



#86  
Benzo(k)fluoranthene  
Concen: 1.524 ng/ul  
RT: 22.96 min Scan# 3404  
Delta R.T. -0.04 min  
Lab File: BM012363.D  
Acq: 21 Oct 2017 17:37

Tgt Ion:252 Resp: 116441  
Ion Ratio Lower Upper  
252 100  
253 27.8 17.8 26.6#  
125 16.5 4.9 7.3#





#88

Benzo(a)pyrene

Concen: 1.042 ng/ul

RT: 23.55 min Scan# 3504

Delta R.T. -0.01 min

Lab File: BM012363.D

Acq: 21 Oct 2017 17:37

Instrument :

BNA\_M

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 252   | Resp: | 77905 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 25.2  | 17.1  | 25.7  |
| 125      | 14.2  | 5.2   | 7.8#  |

