

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110117\  
 Data File : BM012641.D  
 Acq On : 01 Nov 2017 17:51  
 Operator : SJ/JU  
 Sample : I5937-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B0DP4

Quant Time: Nov 02 01:36:46 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 02 01:34:19 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 236341   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.63 | 136  | 1100783  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.47 | 164  | 782307   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.22 | 188  | 1980584  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.39 | 240  | 2776793  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.69 | 264  | 3417524  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 13445   | 2.91  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.01  | 99  | 259325  | 13.13 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 168805  | 14.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.38  | 132 | 209239  | 14.15 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 207108  | 12.27 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 113649  | 16.49 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.72  | 143 | 138475  | 19.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.26 | 165 | 250380  | 13.31 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 295273  | 14.88 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.88 | 166 | 966907  | 14.15 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.17 | 160 | 1115645 | 13.80 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.68 | 143 | 131858  | 12.98 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.47 | 176 | 828017  | 14.31 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.59 | 200 | 144801  | 15.11 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.32 | 188 | 1347347 | 14.27 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.61 | 212 | 1677170 | 13.17 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.54 | 264 | 2338274 | 14.40 | ng/ul | 0.00 |

## Target Compounds

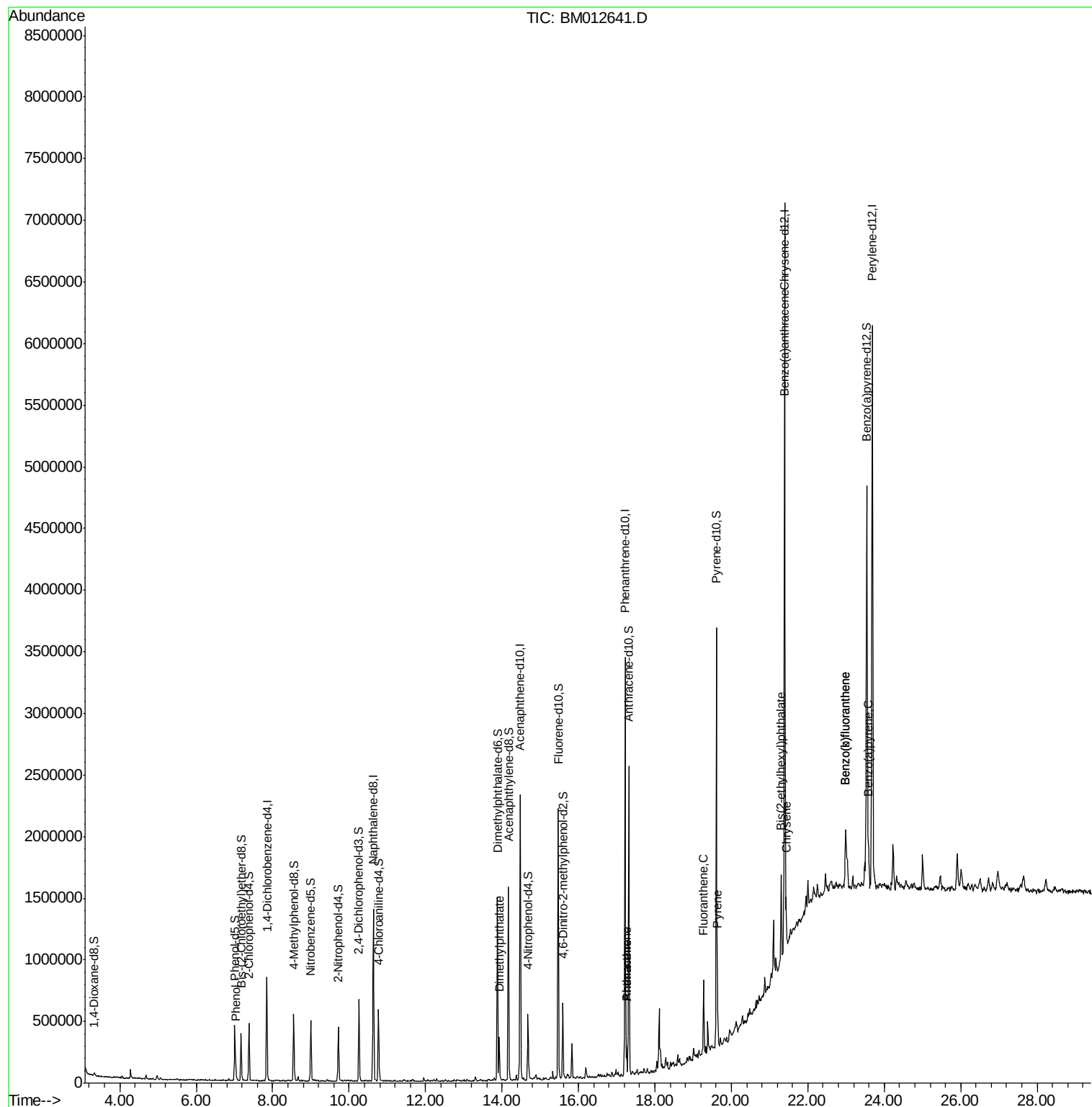
|                                |       |     |        |      |        | Ovalue |
|--------------------------------|-------|-----|--------|------|--------|--------|
| 6) Phenol                      | 7.04  | 94  | 25888  | 1.26 | ng/ul# | 86     |
| 44) Dimethylphthalate          | 13.93 | 163 | 224516 | 3.32 | ng/ul  | 100    |
| 69) Phenanthrene               | 17.26 | 178 | 150100 | 1.40 | ng/ul  | 99     |
| 71) Anthracene                 | 17.26 | 178 | 150100 | 1.36 | ng/ul  | 99     |
| 74) Fluoranthene               | 19.27 | 202 | 307283 | 2.53 | ng/ul# | 92     |
| 77) Pyrene                     | 19.63 | 202 | 296373 | 1.88 | ng/ul# | 87     |
| 80) Benzo(a)anthracene         | 21.38 | 228 | 208265 | 1.25 | ng/ul  | 96     |
| 81) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 227840 | 2.41 | ng/ul  | 99     |
| 82) Chrysene                   | 21.43 | 228 | 248751 | 1.68 | ng/ul  | 97     |
| 85) Benzo(b)fluoranthene       | 23.00 | 252 | 331941 | 1.57 | ng/ul# | 96     |
| 86) Benzo(k)fluoranthene       | 23.00 | 252 | 331941 | 1.67 | ng/ul# | 94     |
| 88) Benzo(a)pyrene             | 23.59 | 252 | 225272 | 1.12 | ng/ul# | 93     |

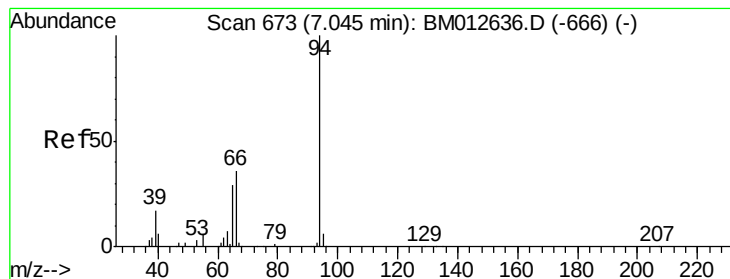
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 02 01:34:19 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 1.26 ng/ul

RT: 7.04 min Scan# 672

Delta R.T. -0.01 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

Instrument :

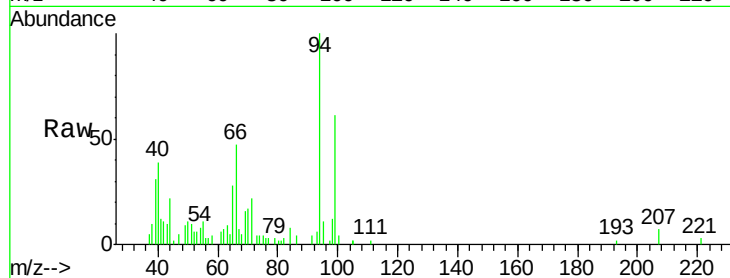
BNA\_M

ClientSampleId :

B0DP4

Tot Ion: 94 Resp: 25888

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 28.2  | 28.2  | 42.4# |
| 66  | 47.4  | 47.2  | 70.8  |



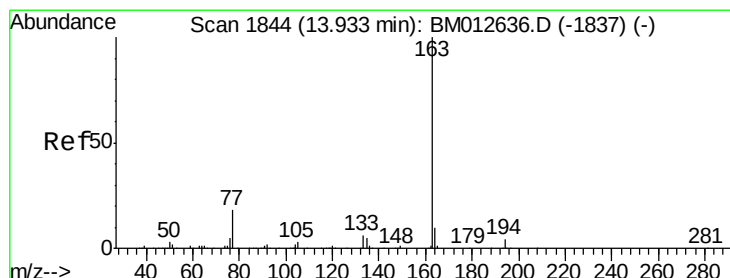
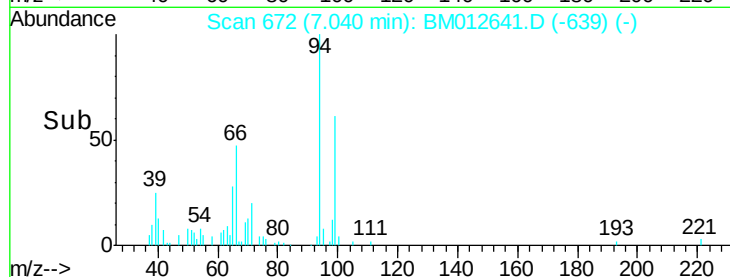
Abundance Ion 94.00 (93.70 to 94.70): BM012636.D (-666) (-)

Ion 65.00 (64.70 to 65.70): BM012636.D (-666) (-)

Ion 66.00 (65.70 to 66.70): BM012636.D (-666) (-)

Time-->

7.04



#44

Dimethylphthalate

Concen: 3.32 ng/ul

RT: 13.93 min Scan# 1843

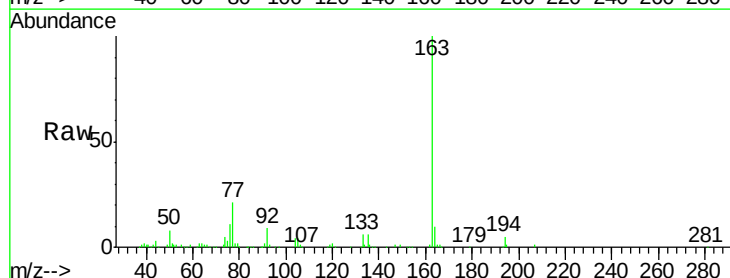
Delta R.T. -0.01 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

Tgt Ion:163 Resp: 224516

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.6   | 3.5   | 5.3   |
| 164 | 10.3  | 8.2   | 12.4  |



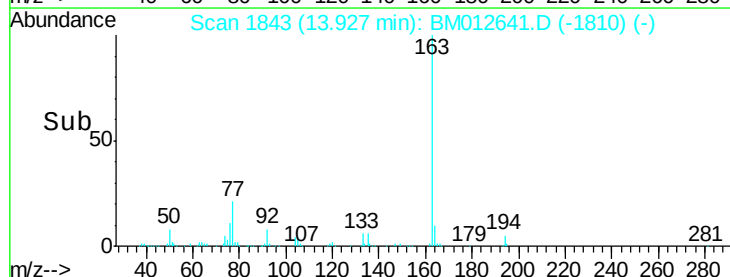
Abundance Ion 163.00 (162.70 to 163.70): BM012636.D (-1837) (-)

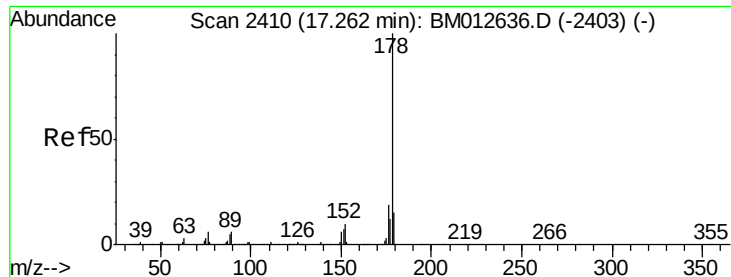
Ion 194.00 (193.70 to 194.70): BM012636.D (-1837) (-)

Ion 164.00 (163.70 to 164.70): BM012636.D (-1837) (-)

Time-->

13.93





#69

Phenanthrene

Concen: 1.40 ng/ul

RT: 17.26 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

Instrument :

BNA\_M

ClientSampleId :

B0DP4

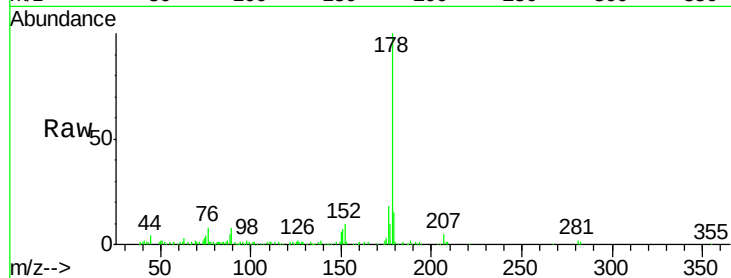
Tot Ion:178 Resp: 150100

Ion Ratio Lower Upper

178 100

179 14.7 12.6 19.0

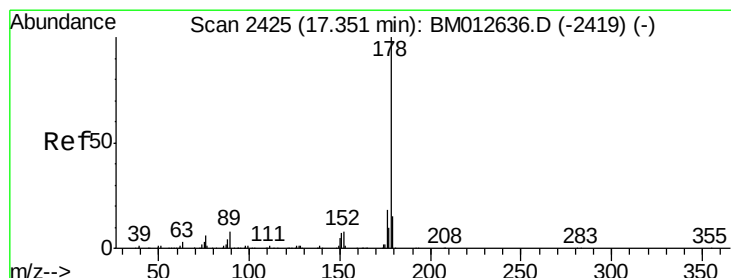
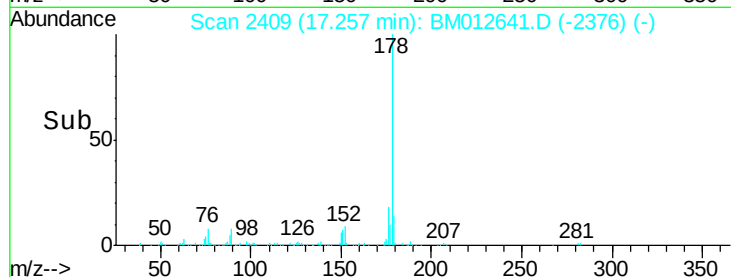
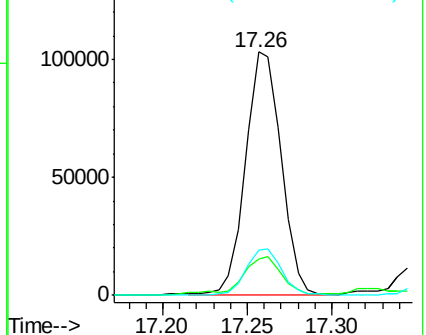
176 18.5 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 1.36 ng/ul

RT: 17.26 min Scan# 2409

Delta R.T. -0.09 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

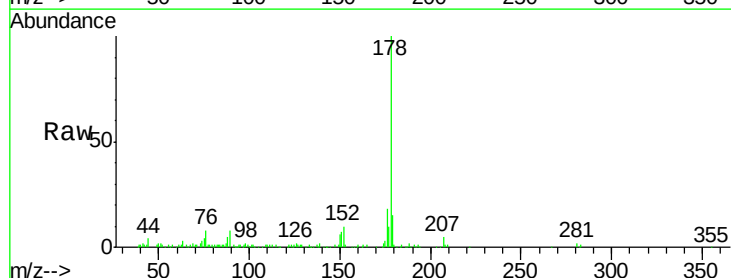
Tgt Ion:178 Resp: 150100

Ion Ratio Lower Upper

178 100

179 14.7 11.7 17.5

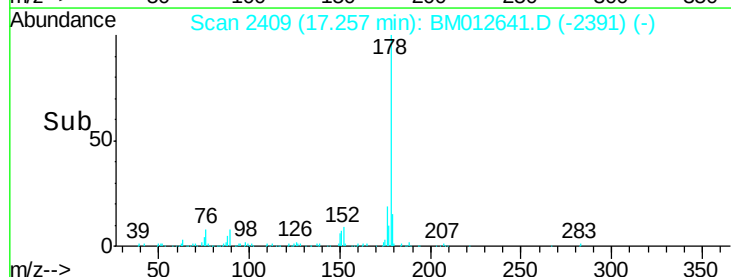
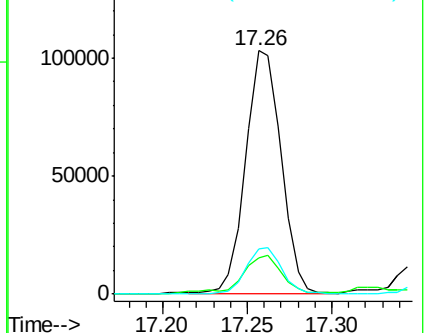
176 18.5 14.6 21.8

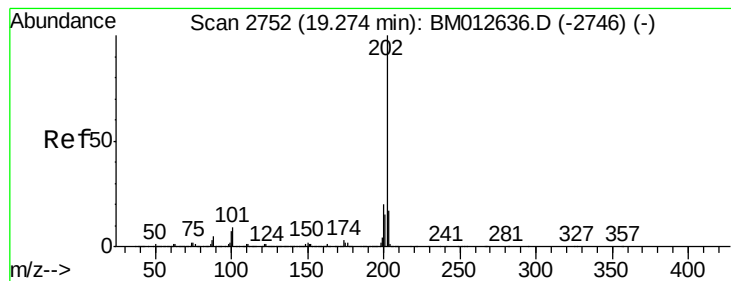


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 2.53 ng/ul

RT: 19.27 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

Instrument :

BNA\_M

ClientSampleId :

B0DP4

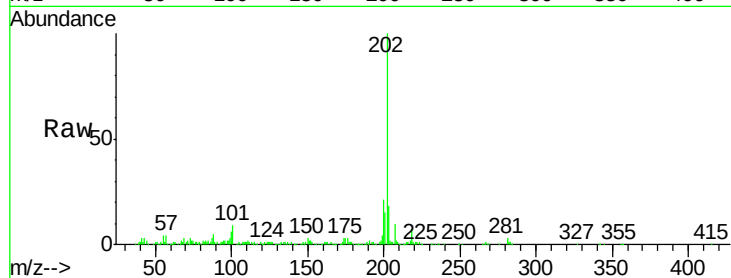
Tot Ion:202 Resp: 307283

Ion Ratio Lower Upper

202 100

101 9.0 4.6 7.0#

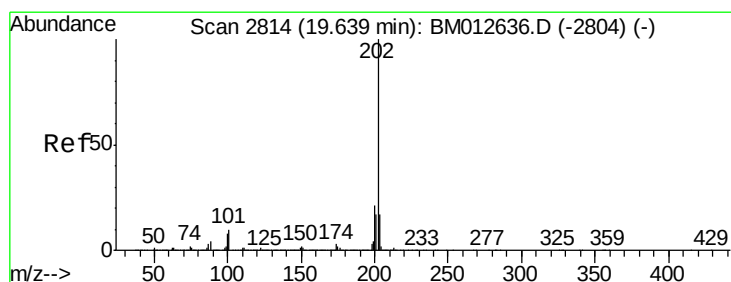
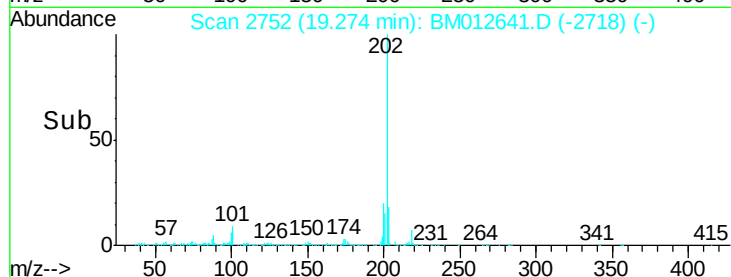
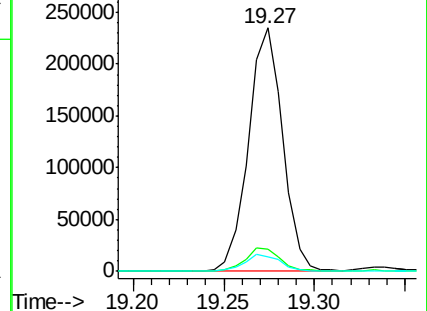
100 6.2 3.4 5.2#



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: 1.88 ng/ul

RT: 19.63 min Scan# 2813

Delta R.T. -0.01 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

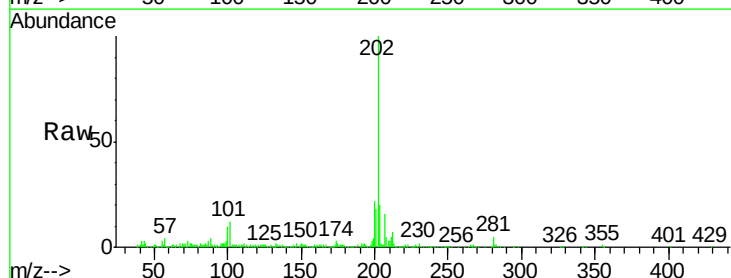
Tgt Ion:202 Resp: 296373

Ion Ratio Lower Upper

202 100

101 11.7 5.1 7.7#

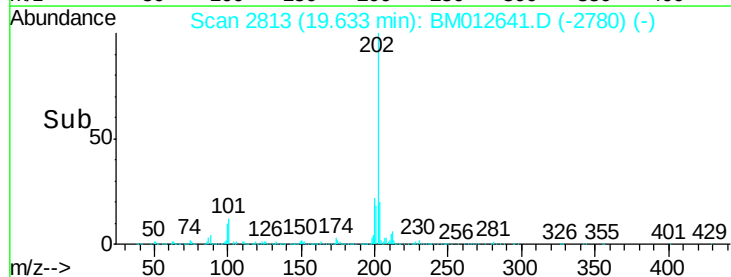
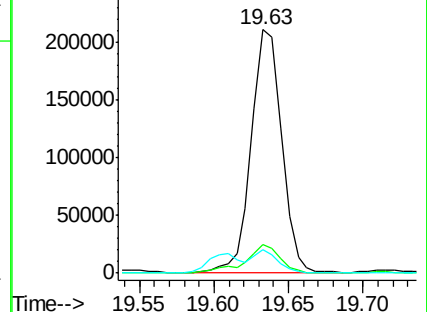
100 9.9 4.9 7.3#

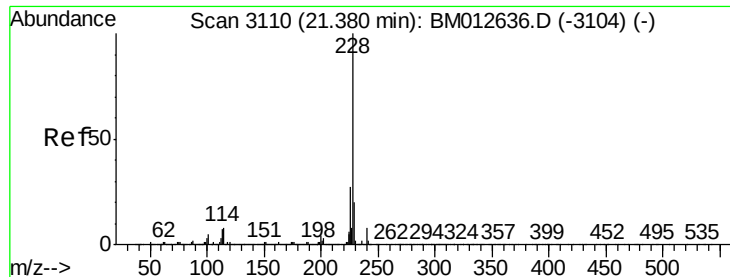


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.25 ng/ul

RT: 21.38 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

Instrument :

BNA\_M

ClientSampleId :

B0DP4

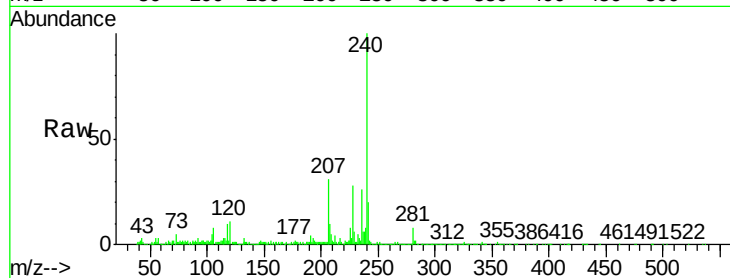
Tot Ion:228 Resp: 208265

Ion Ratio Lower Upper

228 100

229 22.7 15.4 23.0

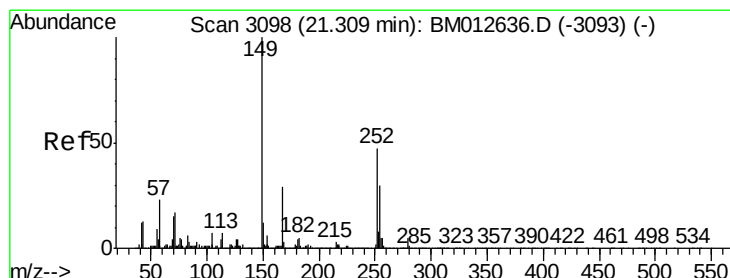
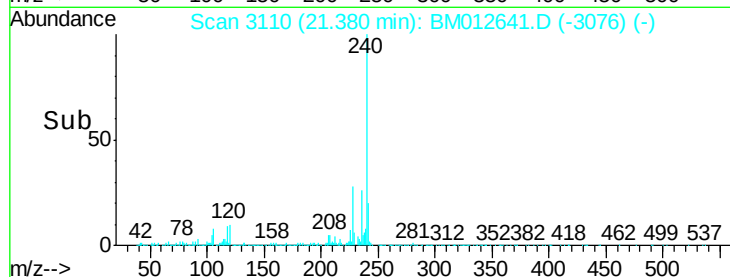
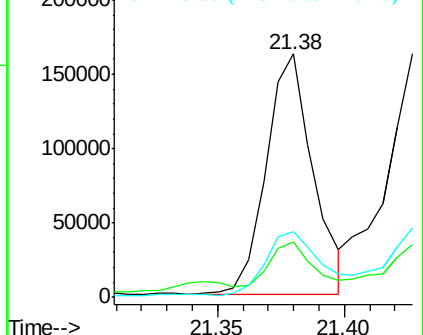
226 26.9 21.4 32.0



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 2.41 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. 0.00 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

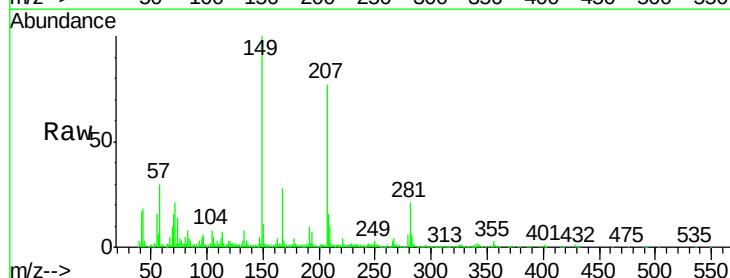
Tgt Ion:149 Resp: 227840

Ion Ratio Lower Upper

149 100

167 28.2 22.8 34.2

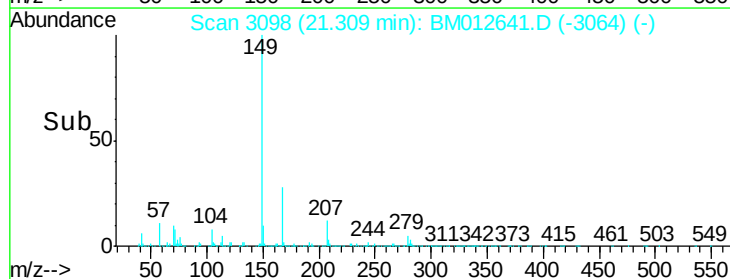
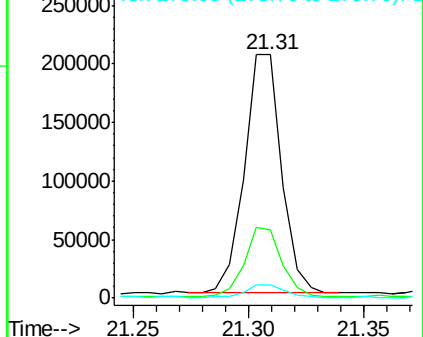
279 5.7 4.9 7.3

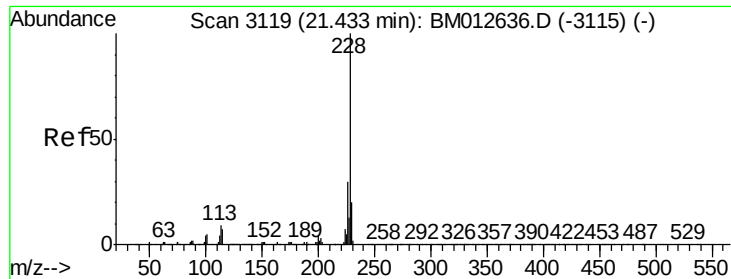


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 1.68 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

Instrument :

BNA\_M

ClientSampleId :

B0DP4

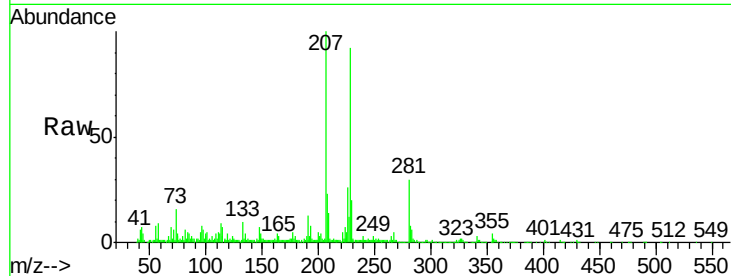
Tot Ion:228 Resp: 248751

Ion Ratio Lower Upper

228 100

226 28.4 23.4 35.2

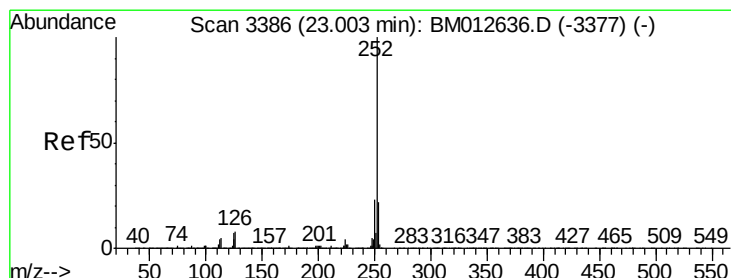
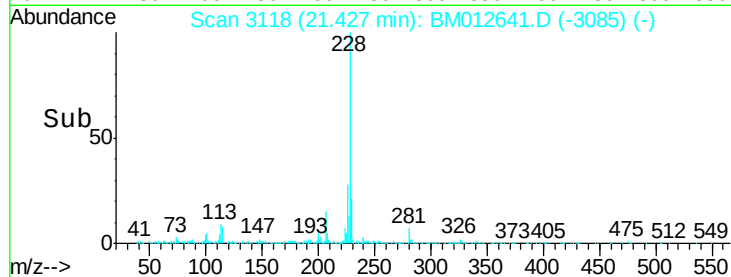
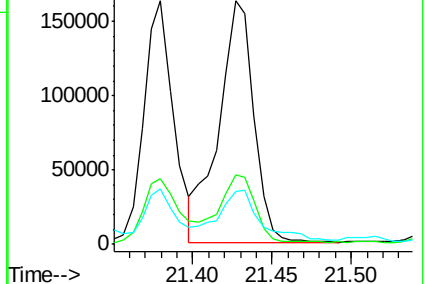
229 21.8 15.5 23.3



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: 1.57 ng/ul

RT: 23.00 min Scan# 3385

Delta R.T. -0.01 min

Lab File: BM012641.D

Acq: 01 Nov 2017 17:51

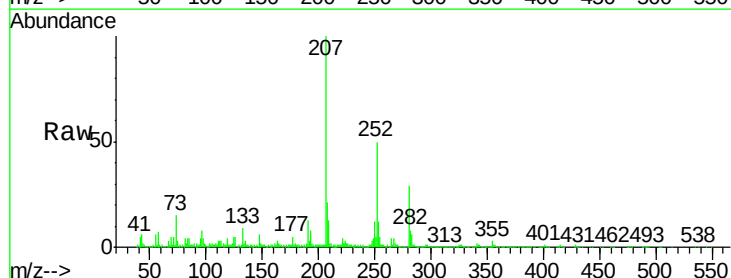
Tgt Ion:252 Resp: 331941

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

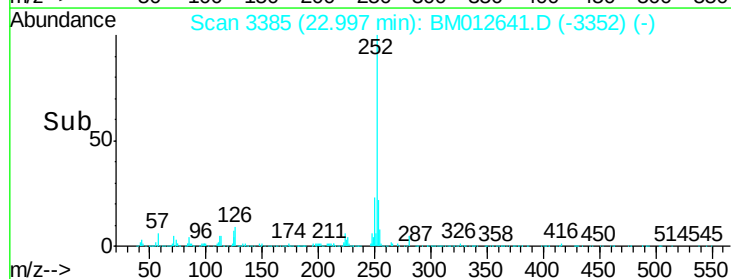
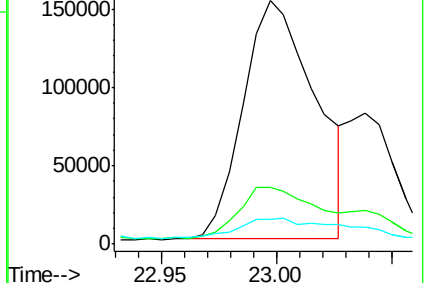
125 10.1 3.6 5.4#

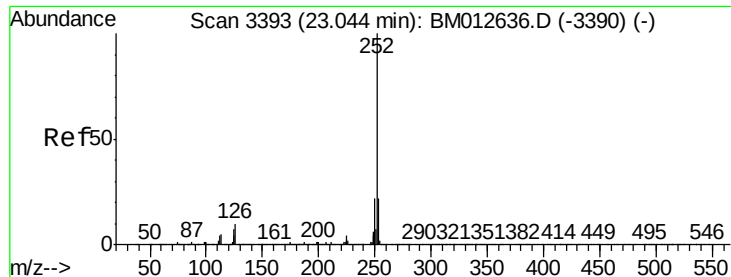


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

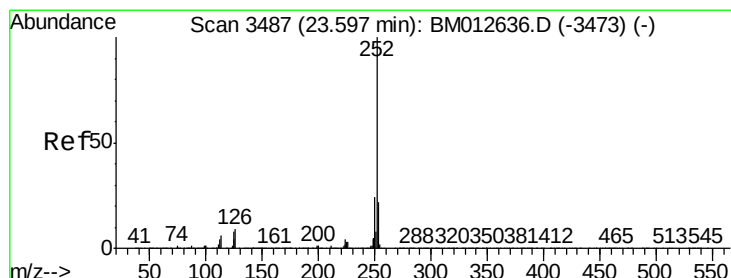
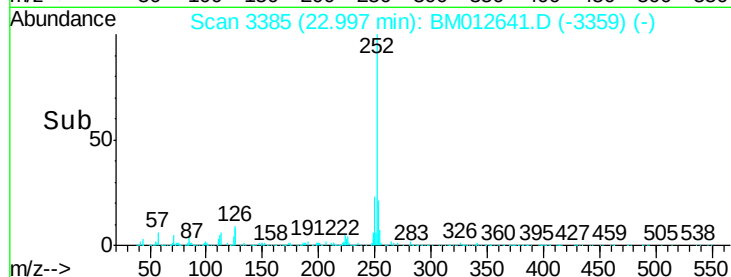
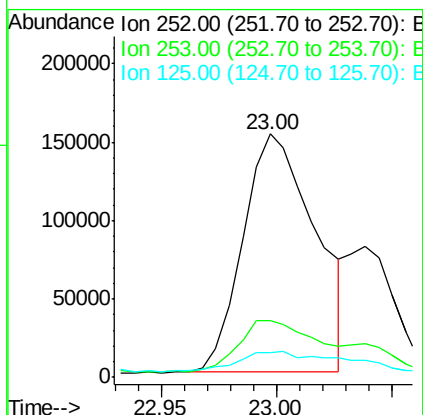
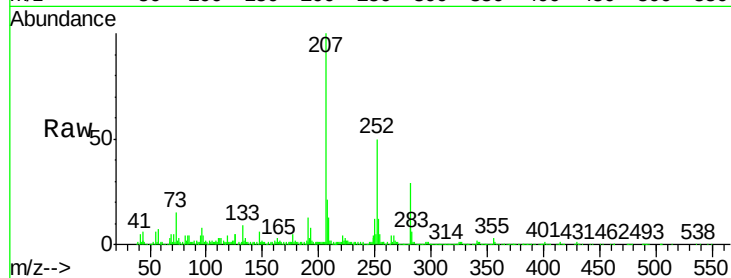




#86  
Benzo(k)fluoranthene  
Concen: 1.67 ng/ul  
RT: 23.00 min Scan# 3385  
Delta R.T. -0.05 min  
Lab File: BM012641.D  
Acq: 01 Nov 2017 17:51

Instrument :  
BNA\_M  
ClientSampleId :  
B0DP4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 17.1  | 25.7  |
| 125     | 10.1  | 3.4   | 5.2#  |



#88  
Benzo(a)pyrene  
Concen: 1.12 ng/ul  
RT: 23.59 min Scan# 3485  
Delta R.T. -0.01 min  
Lab File: BM012641.D  
Acq: 01 Nov 2017 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.7  | 18.2  | 27.2  |
| 125     | 11.0  | 4.0   | 6.0#  |

