

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110717\  
 Data File : BM012809.D  
 Acq On : 07 Nov 2017 23:16  
 Operator : SJ/JU  
 Sample : I6164-09  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Nov 08 01:56:53 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 08 01:41:22 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 133494   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.59 | 136  | 563789   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.44 | 164  | 356362   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.18 | 188  | 811823   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.36 | 240  | 704252   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.64 | 264  | 670285   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 7657   | 3.10  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.98  | 99  | 167099 | 16.82 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 96326  | 17.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 143702 | 17.37 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.51  | 113 | 102634 | 11.97 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.96  | 128 | 72451  | 17.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.68  | 143 | 86614  | 18.17 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.22 | 165 | 153689 | 15.73 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.73 | 131 | 149268 | 15.83 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.85 | 166 | 538436 | 18.26 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.13 | 160 | 631886 | 17.32 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.65 | 143 | 50675  | 10.72 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.43 | 176 | 458004 | 18.13 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.56 | 200 | 43600  | 8.13  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.28 | 188 | 686771 | 17.51 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.57 | 212 | 710144 | 21.73 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.50 | 264 | 585881 | 18.49 | ng/ul | 0.00 |

## Target Compounds

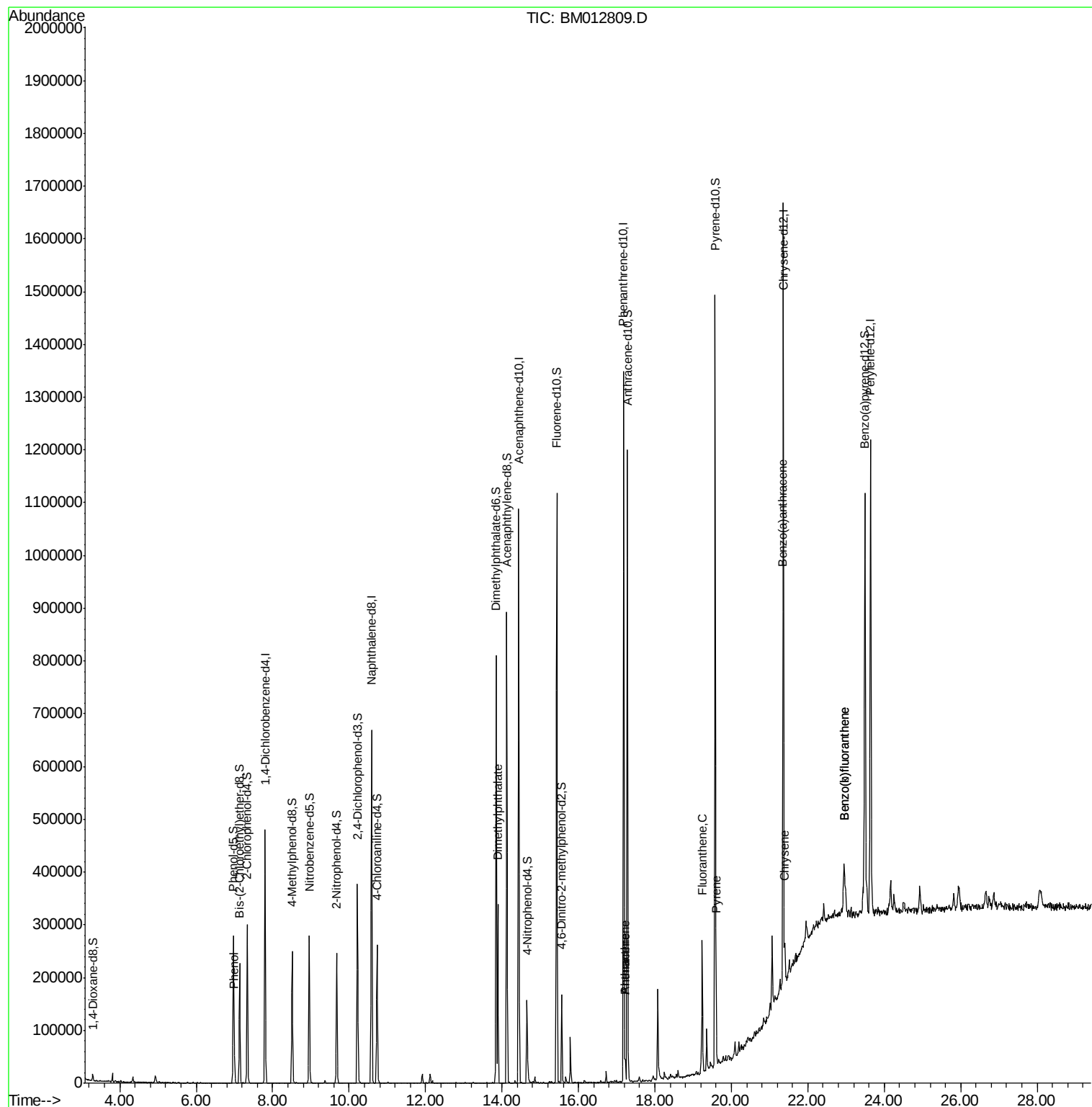
|                          |       |     |        |      |        | Ovalue |
|--------------------------|-------|-----|--------|------|--------|--------|
| 6) Phenol                | 7.00  | 94  | 26803  | 2.63 | ng/ul  | 90     |
| 44) Dimethylphthalate    | 13.89 | 163 | 215594 | 7.37 | ng/ul  | 99     |
| 69) Phenanthrene         | 17.22 | 178 | 50038  | 1.13 | ng/ul  | 96     |
| 71) Anthracene           | 17.22 | 178 | 50038  | 1.09 | ng/ul  | 97     |
| 76) Fluoranthene         | 19.24 | 202 | 146991 | 2.76 | ng/ul# | 93     |
| 79) Pyrene               | 19.60 | 202 | 114187 | 2.72 | ng/ul# | 92     |
| 82) Benzo(a)anthracene   | 21.34 | 228 | 47351  | 1.11 | ng/ul  | 97     |
| 84) Chrysene             | 21.40 | 228 | 54470  | 1.41 | ng/ul  | 98     |
| 87) Benzo(b)fluoranthene | 22.96 | 252 | 73827  | 1.80 | ng/ul  | 96     |
| 88) Benzo(k)fluoranthene | 22.96 | 252 | 73827  | 1.90 | ng/ul  | 96     |

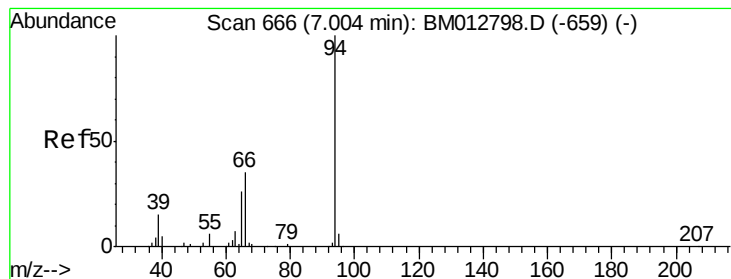
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 2.63 ng/ul

RT: 7.00 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM012809.D

Acq: 07 Nov 2017 23:16

Instrument :

BNA\_M

ClientSampleId :

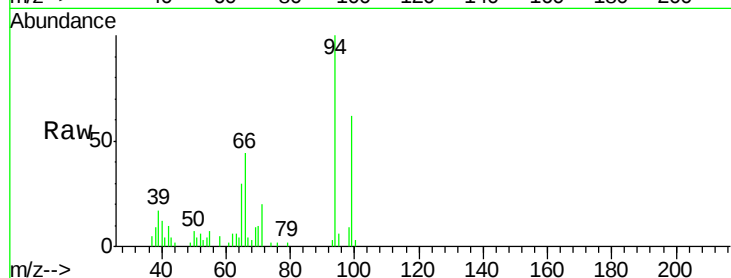
Tot Ion: 94 Resp: 26803

Ion Ratio Lower Upper

94 100

65 29.7 21.0 31.6

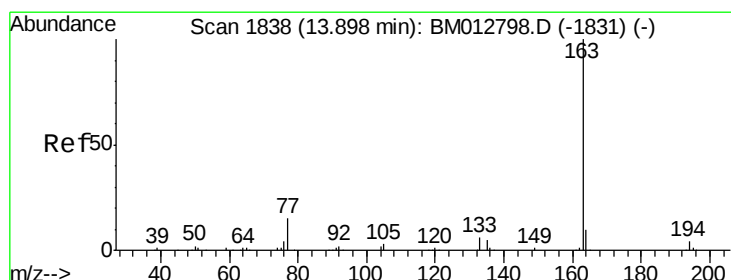
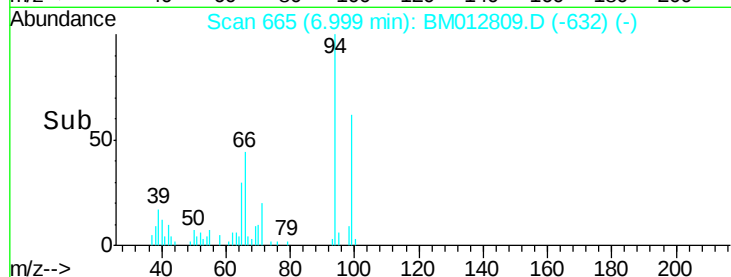
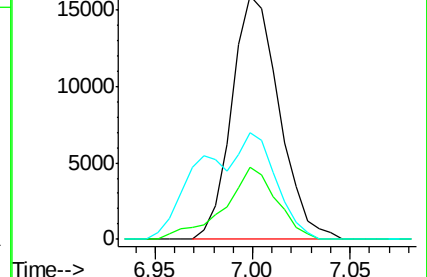
66 43.6 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM012798.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BM012798.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BM012798.D (-659) (-)



#44

Dimethylphthalate

Concen: 7.37 ng/ul

RT: 13.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BM012809.D

Acq: 07 Nov 2017 23:16

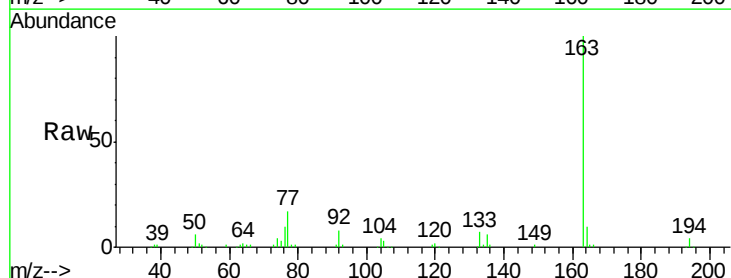
Tgt Ion:163 Resp: 215594

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

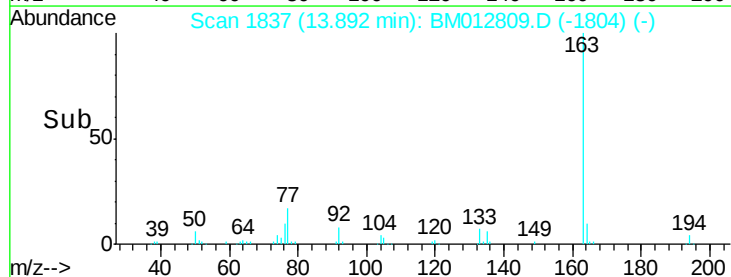
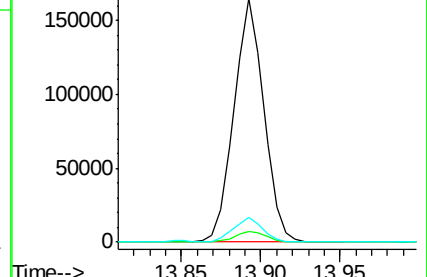
164 10.1 7.8 11.8

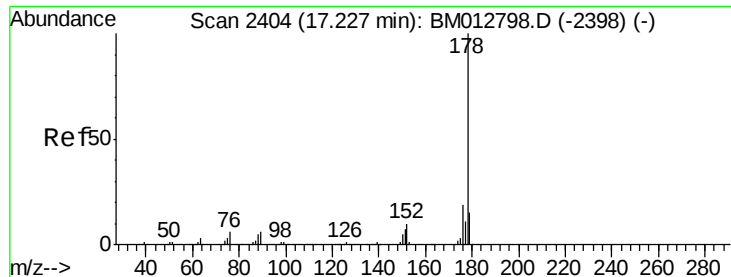


Abundance Ion 163.00 (162.70 to 163.70): BM012798.D (-1831) (-)

Ion 194.00 (193.70 to 194.70): BM012798.D (-1831) (-)

Ion 164.00 (163.70 to 164.70): BM012798.D (-1831) (-)

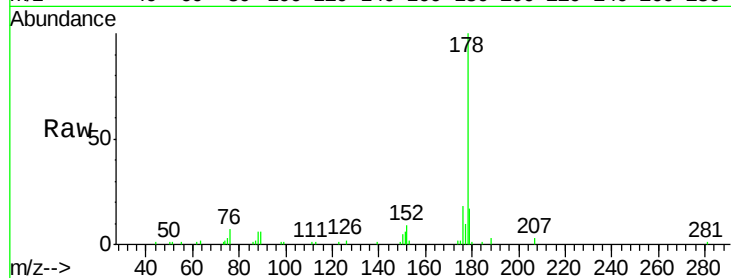




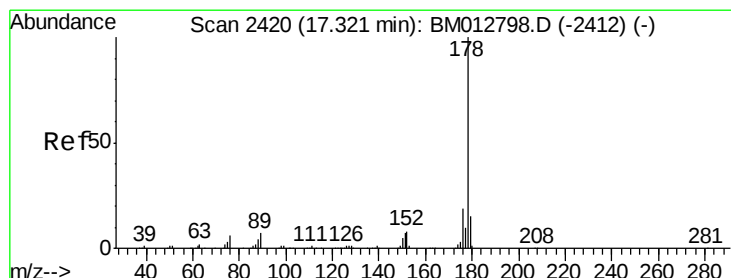
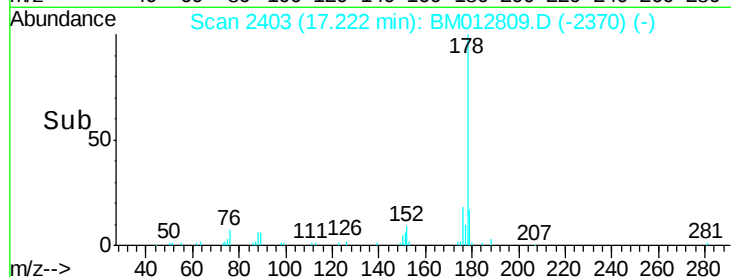
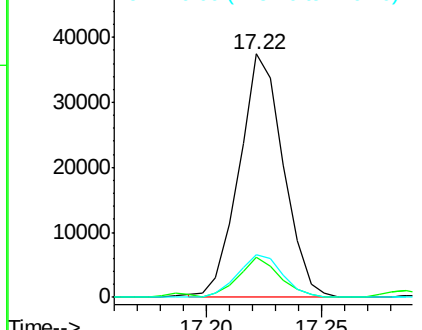
#69  
Phenanthrene  
Concen: 1.13 ng/ul  
RT: 17.22 min Scan# 2403  
Delta R.T. -0.01 min  
Lab File: BM012809.D  
Acq: 07 Nov 2017 23:16

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:178 Resp: 50038  
Ion Ratio Lower Upper  
178 100  
179 16.6 12.2 18.4  
176 17.7 15.6 23.4

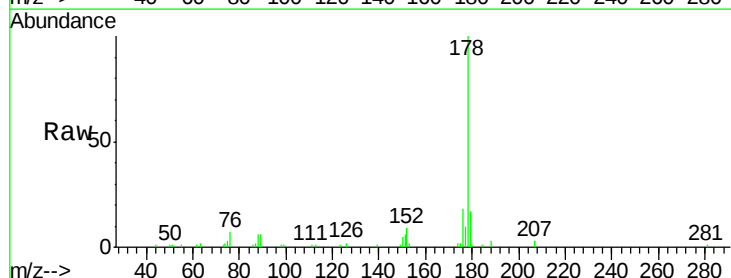


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E

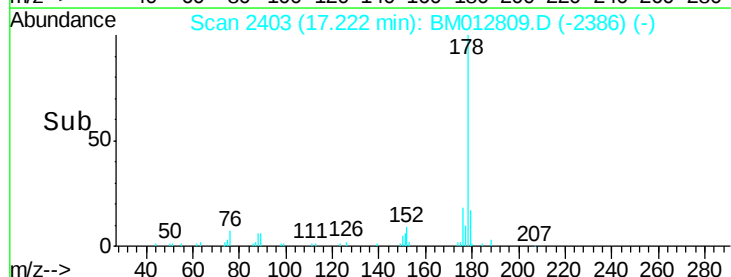
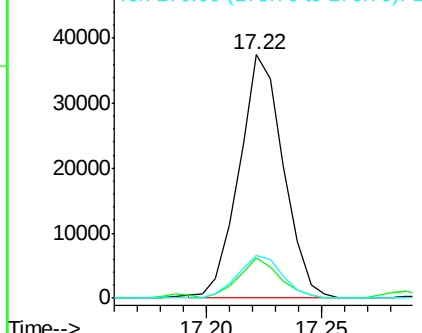


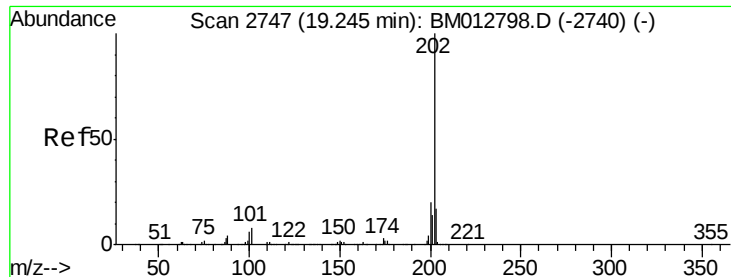
#71  
Anthracene  
Concen: 1.09 ng/ul  
RT: 17.22 min Scan# 2403  
Delta R.T. -0.10 min  
Lab File: BM012809.D  
Acq: 07 Nov 2017 23:16

Tgt Ion:178 Resp: 50038  
Ion Ratio Lower Upper  
178 100  
179 16.6 12.1 18.1  
176 17.7 14.8 22.2



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





#76

Fluoranthene

Concen: 2.76 ng/ul

RT: 19.24 min Scan# 2746

Delta R.T. -0.01 min

Lab File: BM012809.D

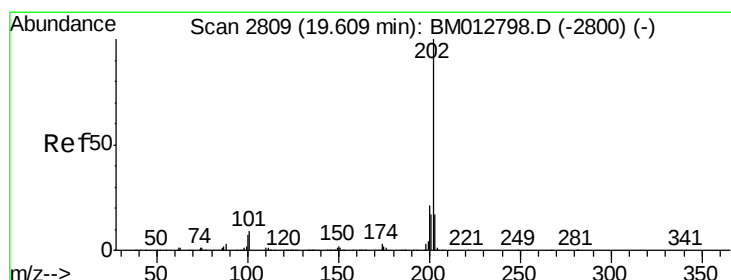
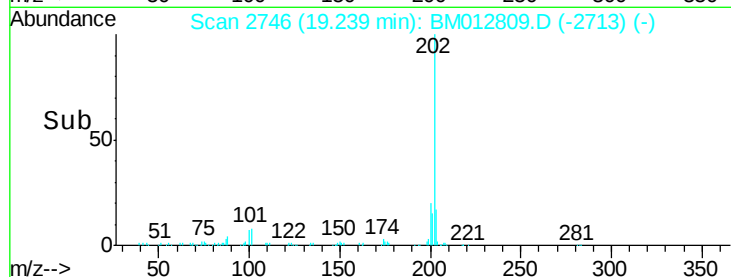
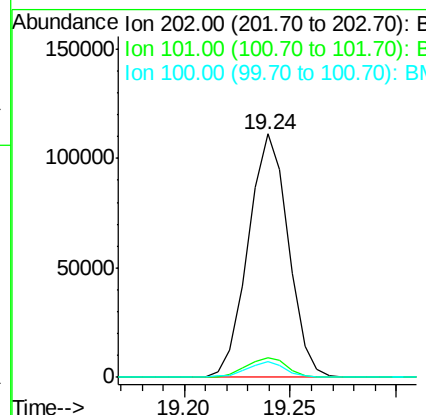
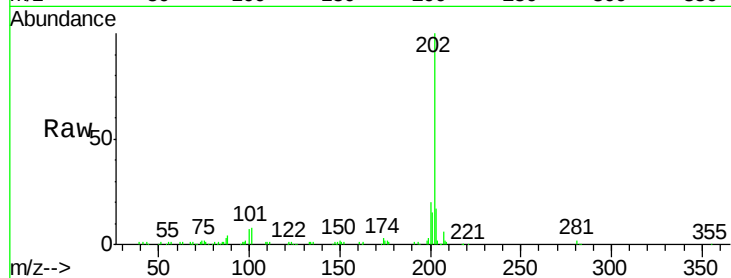
Acq: 07 Nov 2017 23:16

Instrument :

BNA\_M

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 146991 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 7.9   | 8.8   | 13.2#  |
| 100      | 6.6   | 6.6   | 9.8    |



#79

Pyrene

Concen: 2.72 ng/ul

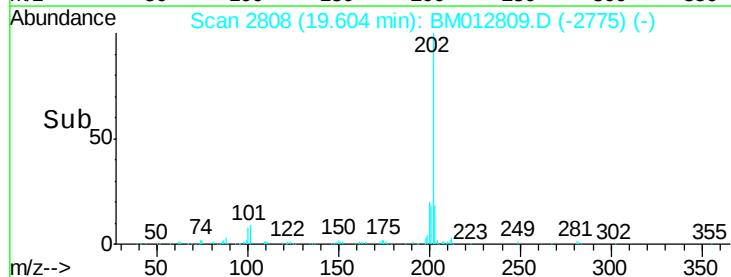
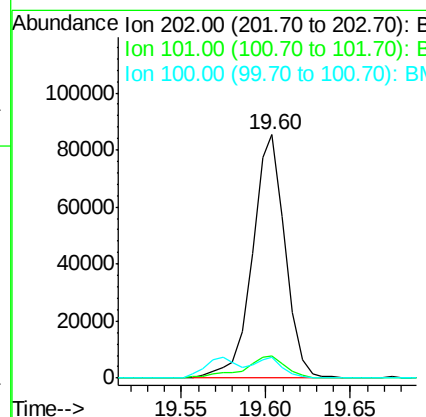
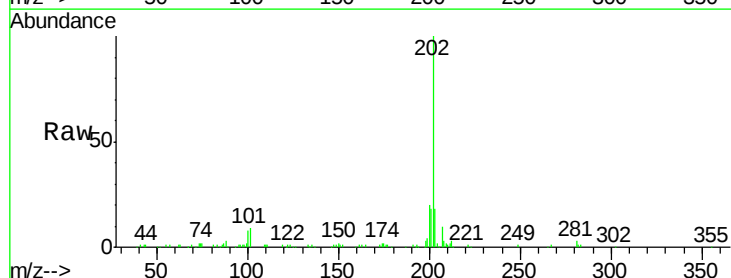
RT: 19.60 min Scan# 2808

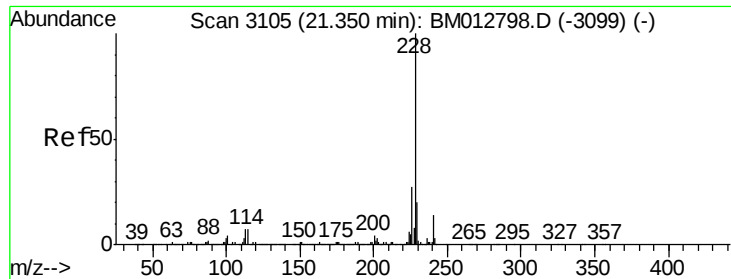
Delta R.T. -0.01 min

Lab File: BM012809.D

Acq: 07 Nov 2017 23:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 114187 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 9.0   | 10.2  | 15.2#  |
| 100      | 8.4   | 8.5   | 12.7#  |

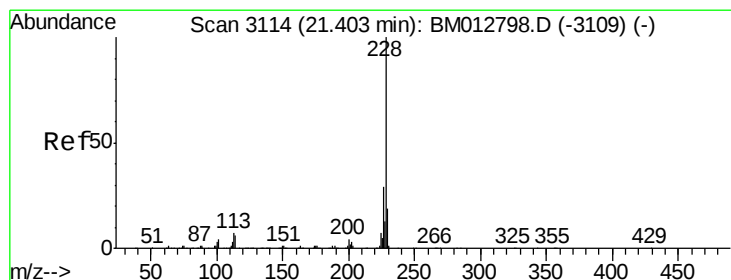
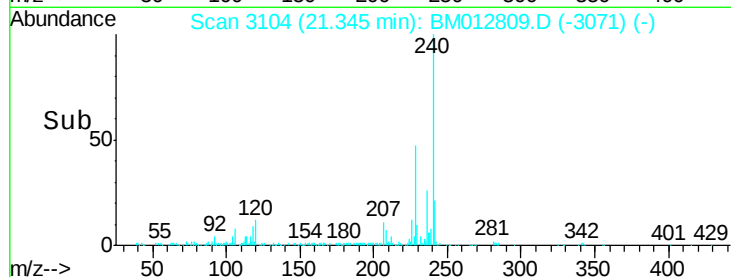
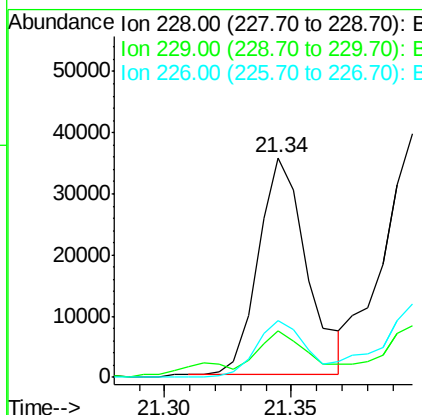
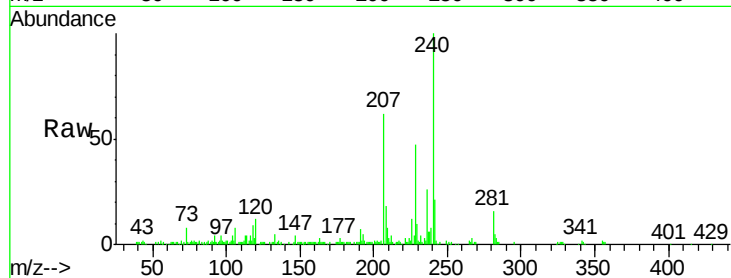




#82  
Benzo(a)anthracene  
Concen: 1.11 ng/ul  
RT: 21.34 min Scan# 3104  
Delta R.T. -0.01 min  
Lab File: BM012809.D  
Acq: 07 Nov 2017 23:16

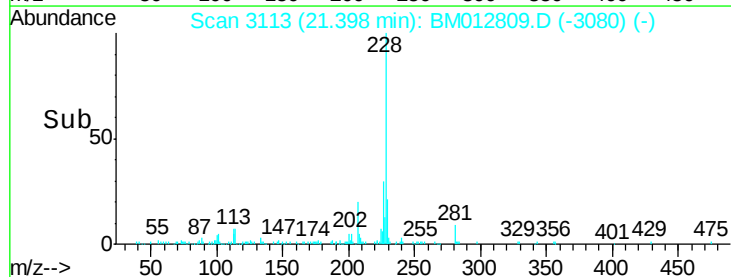
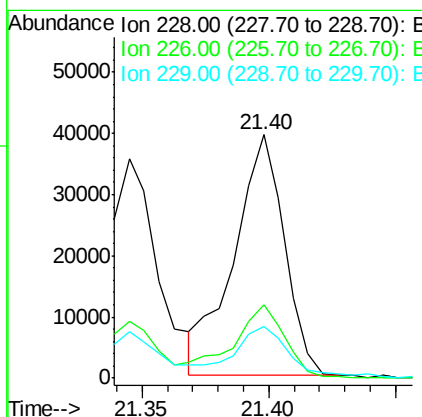
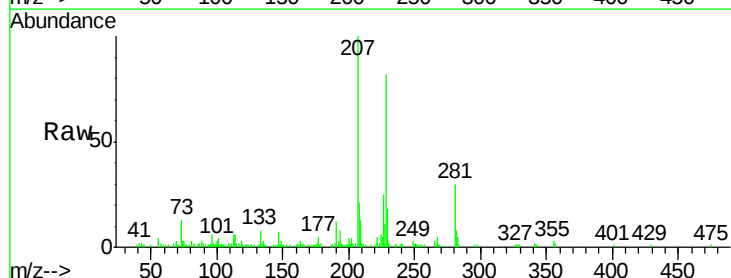
Instrument :  
BNA\_M  
ClientSampled :

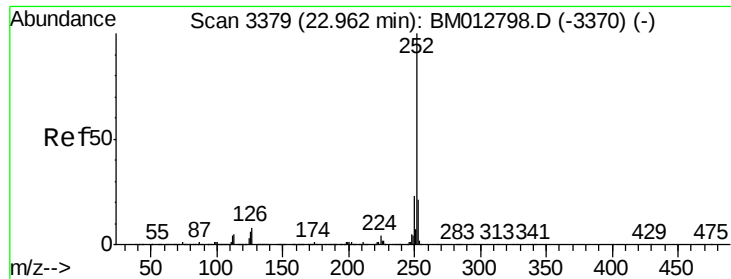
Tot Ion:228 Resp: 47351  
Ion Ratio Lower Upper  
228 100  
229 21.1 15.7 23.5  
226 25.5 21.8 32.6



#84  
Chrysene  
Concen: 1.41 ng/ul  
RT: 21.40 min Scan# 3113  
Delta R.T. -0.01 min  
Lab File: BM012809.D  
Acq: 07 Nov 2017 23:16

Tgt Ion:228 Resp: 54470  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.0 36.0  
229 21.3 15.6 23.4





#87

Benzo(b)fluoranthene

Concen: 1.80 ng/ul

RT: 22.96 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BM012809.D

Acq: 07 Nov 2017 23:16

Instrument :

BNA\_M

ClientSampled :

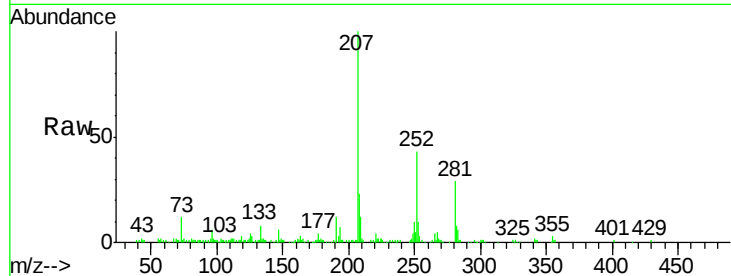
Tot Ion:252 Resp: 73827

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 8.6 8.5 12.7

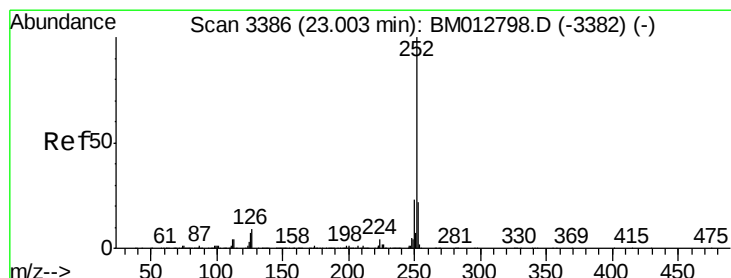
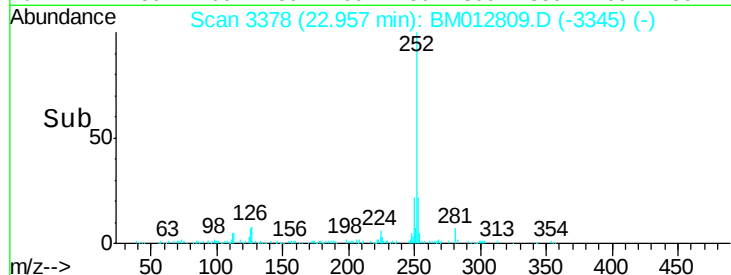
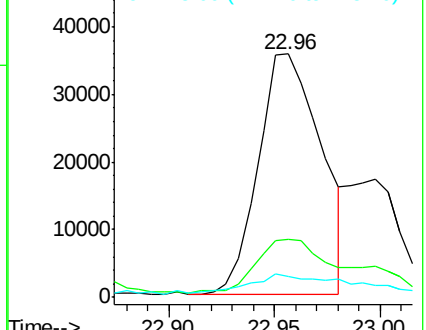


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 1.90 ng/ul

RT: 22.96 min Scan# 3378

Delta R.T. -0.05 min

Lab File: BM012809.D

Acq: 07 Nov 2017 23:16

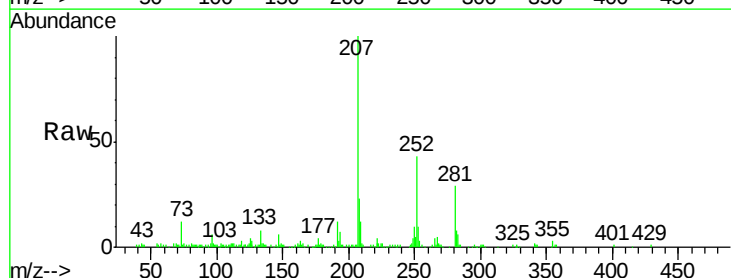
Tgt Ion:252 Resp: 73827

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 8.6 8.2 12.2



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

