

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\  
 Data File : BM013974.D  
 Acq On : 30 Jan 2018 00:53  
 Operator : SJ/JU  
 Sample : J1295-15  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6C13

Quant Time: Jan 30 02:49:30 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 30 02:42:12 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 105643   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.34 | 136  | 417417   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 259245   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 618475   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.18 | 240  | 755008   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.36 | 264  | 746508   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 9464    | 3.54  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.76  | 99  | 216591  | 26.71 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.92  | 67  | 139545  | 28.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 185582  | 28.08 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 175045  | 28.08 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 96681   | 29.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.44  | 143 | 107848  | 31.51 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 187231  | 28.32 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.50 | 131 | 216348  | 37.71 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.65 | 166 | 702697  | 32.89 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.91 | 160 | 861188  | 31.60 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.47 | 143 | 63513   | 18.29 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.22 | 176 | 614614  | 32.71 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 92632   | 24.88 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.07 | 188 | 970849  | 32.23 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.38 | 212 | 1180067 | 33.57 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.23 | 264 | 1194107 | 34.80 | ng/ul | 0.00 |

## Target Compounds

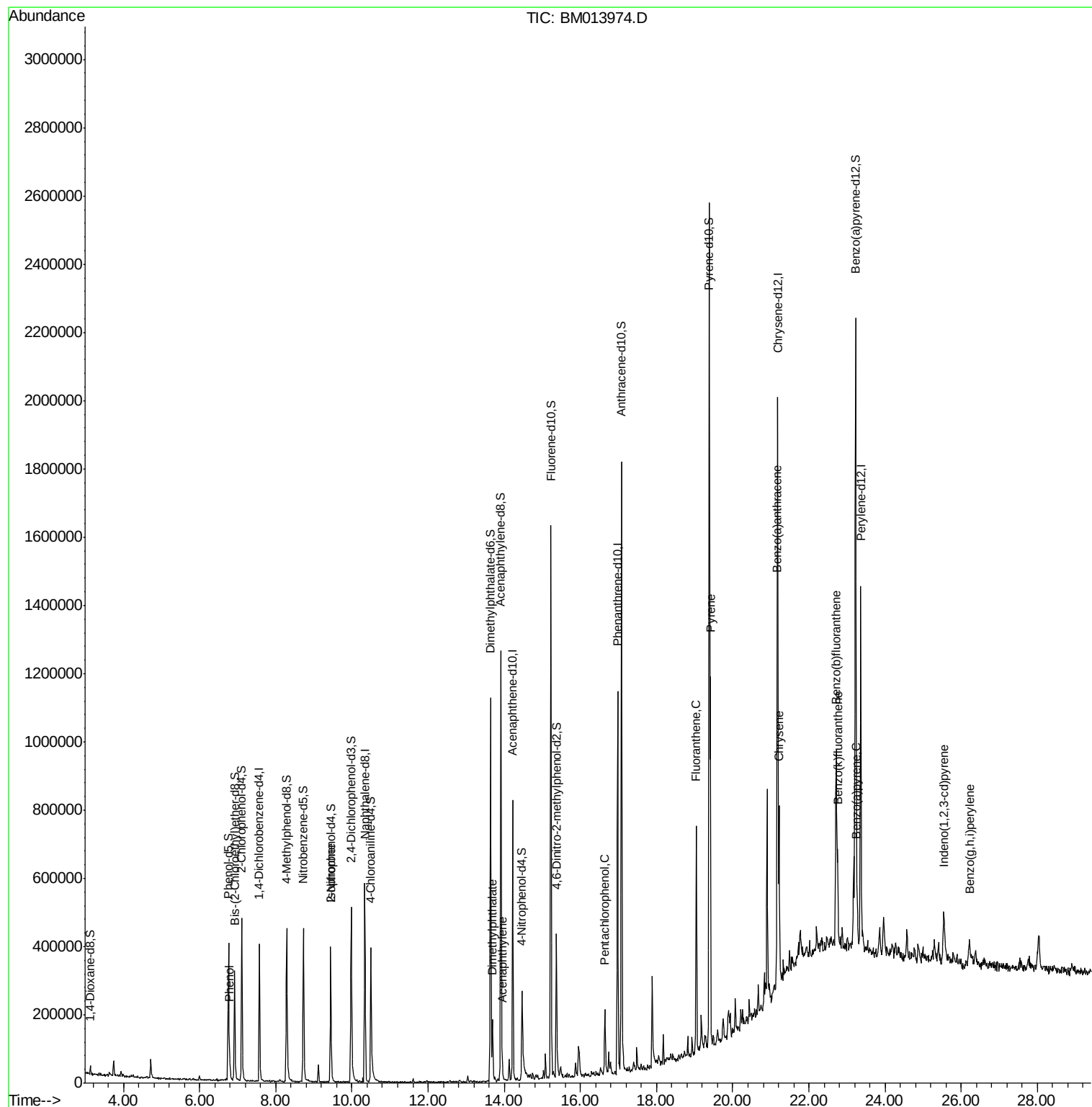
|                            |       |     |        | Ovalue |           |
|----------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                  | 6.79  | 94  | 13816  | 1.698  | ng/ul# 68 |
| 21) Isophorone             | 9.45  | 82  | 13874  | 1.026  | ng/ul# 76 |
| 44) Dimethylphthalate      | 13.69 | 163 | 108031 | 5.142  | ng/ul# 99 |
| 47) Acenaphthylene         | 13.95 | 152 | 37632  | 1.510  | ng/ul# 92 |
| 68) Pentachlorophenol      | 16.64 | 266 | 40466  | 9.685  | ng/ul 95  |
| 74) Fluoranthene           | 19.04 | 202 | 377628 | 9.202  | ng/ul# 96 |
| 77) Pyrene                 | 19.41 | 202 | 625581 | 13.629 | ng/ul# 95 |
| 80) Benzo(a)anthracene     | 21.16 | 228 | 249063 | 5.459  | ng/ul 96  |
| 82) Chrysene               | 21.22 | 228 | 347830 | 8.311  | ng/ul 96  |
| 85) Benzo(b)fluoranthene   | 22.72 | 252 | 479628 | 10.462 | ng/ul# 97 |
| 86) Benzo(k)fluoranthene   | 22.75 | 252 | 133494 | 3.013  | ng/ul# 95 |
| 88) Benzo(a)pyrene         | 23.26 | 252 | 106665 | 2.463  | ng/ul# 97 |
| 89) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 116367 | 2.276  | ng/ul# 96 |
| 91) Benzo(g,h,i)perylene   | 26.21 | 276 | 81269  | 1.931  | ng/ul# 97 |

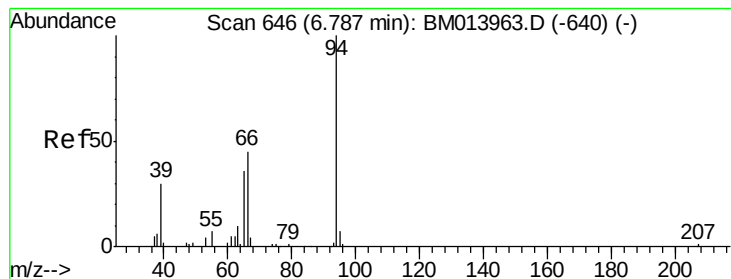
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 20 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jan 30 02:42:12 2018  
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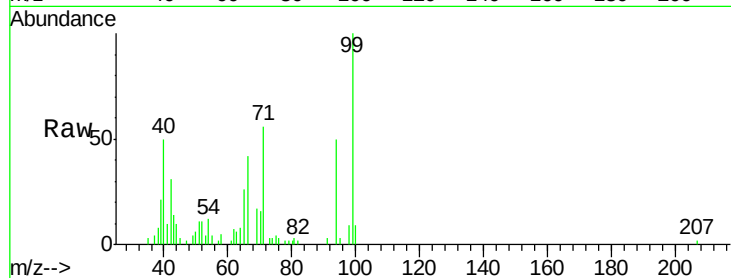
#6

Phenol

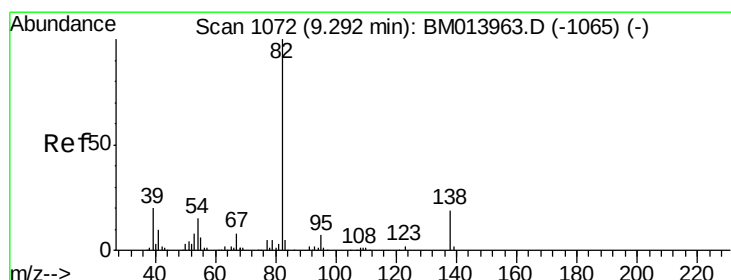
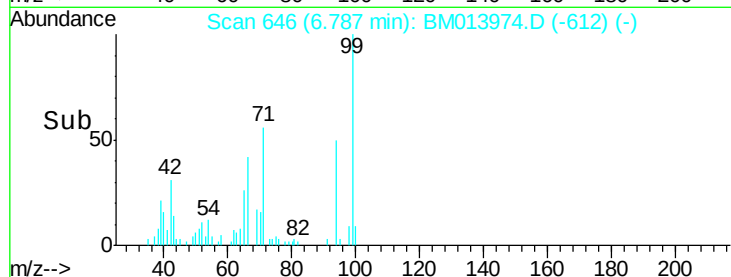
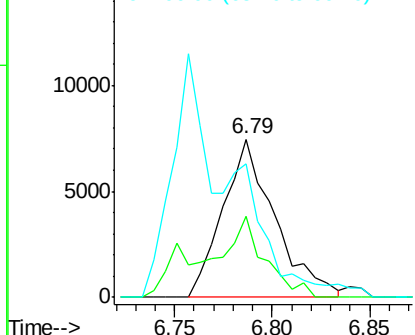
Concen: 1.698 ng/ul  
 RT: 6.79 min Scan# 646  
 Delta R.T. -0.00 min  
 Lab File: BM013974.D  
 Acq: 30 Jan 2018 00:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6C13

Tot Ion: 94 Resp: 13816  
 Ion Ratio Lower Upper  
 94 100  
 65 51.6 28.2 42.4#  
 66 84.4 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM013963.D (-640) (-)  
 Ion 65.00 (64.70 to 65.70): BM013963.D (-640) (-)  
 Ion 66.00 (65.70 to 66.70): BM013963.D (-640) (-)

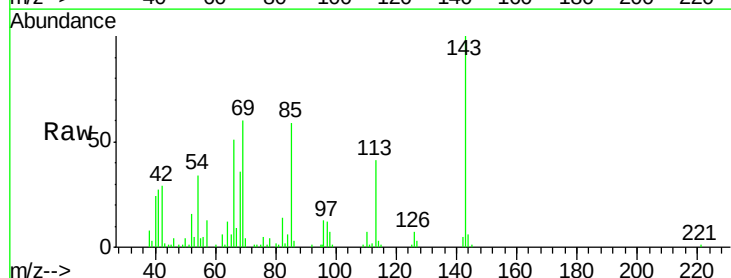


#21

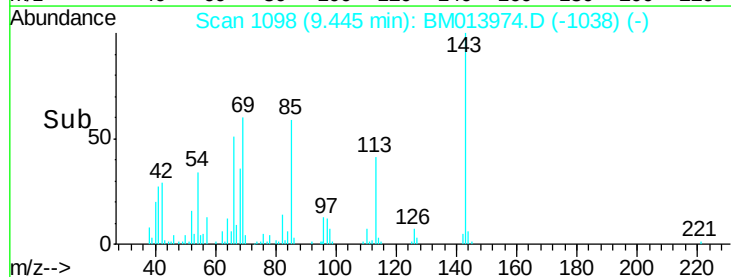
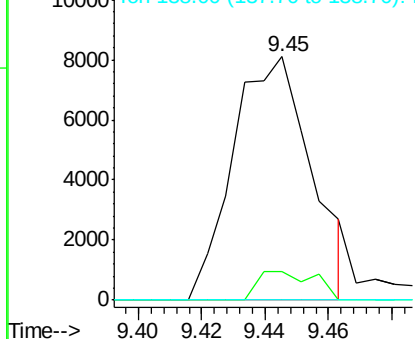
Isophorone

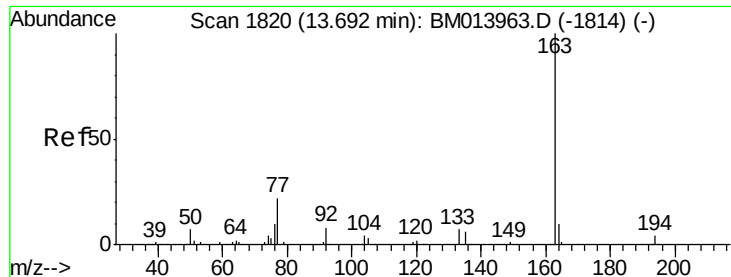
Concen: 1.026 ng/ul  
 RT: 9.45 min Scan# 1098  
 Delta R.T. 0.15 min  
 Lab File: BM013974.D  
 Acq: 30 Jan 2018 00:53

Tgt Ion: 82 Resp: 13874  
 Ion Ratio Lower Upper  
 82 100  
 95 11.5 7.8 11.8  
 138 0.0 11.9 17.9#



Abundance Ion 82.00 (81.70 to 82.70): BM013963.D (-1065) (-)  
 Ion 95.00 (94.70 to 95.70): BM013963.D (-1065) (-)  
 Ion 138.00 (137.70 to 138.70): BM013963.D (-1065) (-)

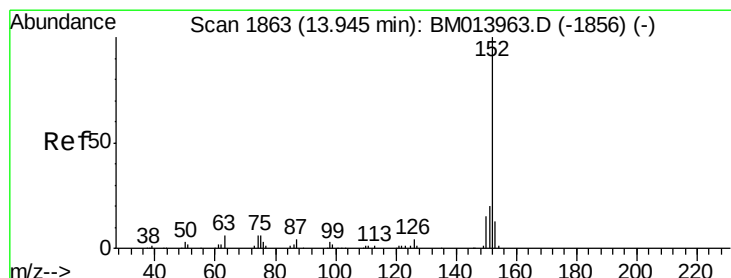
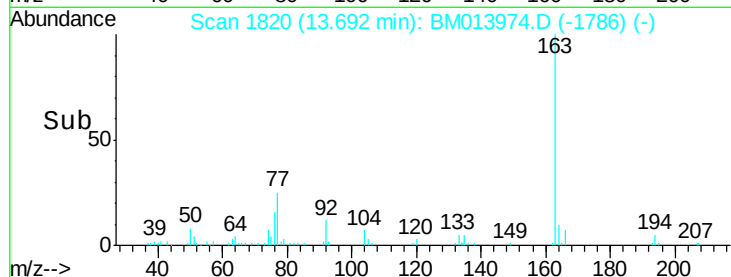
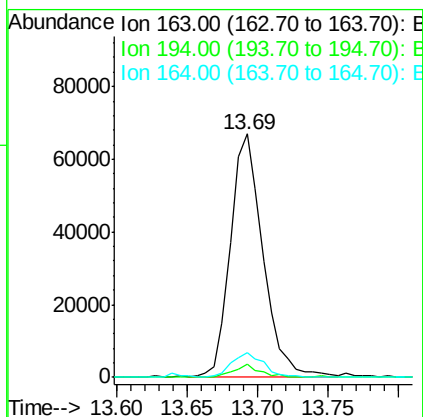
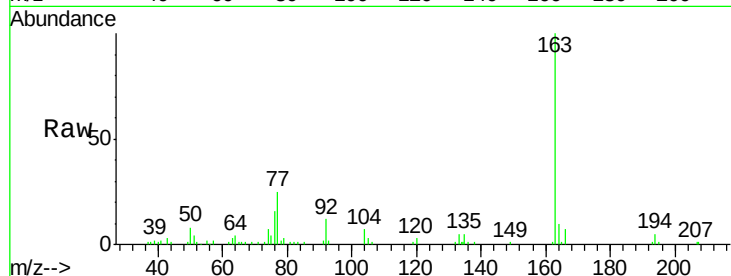




#44  
Dimethylphthalate  
Concen: 5.142 ng/ul  
RT: 13.69 min Scan# 1820  
Delta R.T. -0.00 min  
Lab File: BM013974.D  
Acq: 30 Jan 2018 00:53

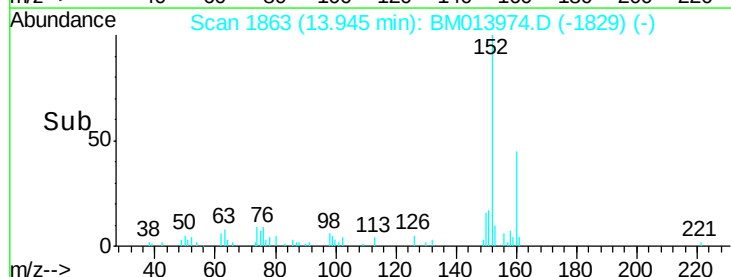
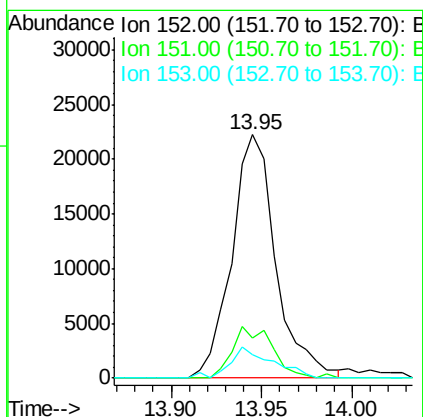
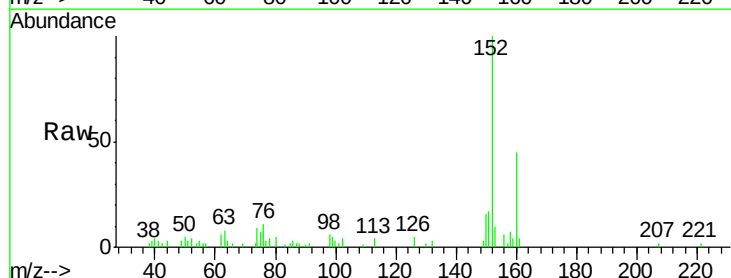
Instrument :  
BNA\_M  
ClientSampleId :  
F6C13

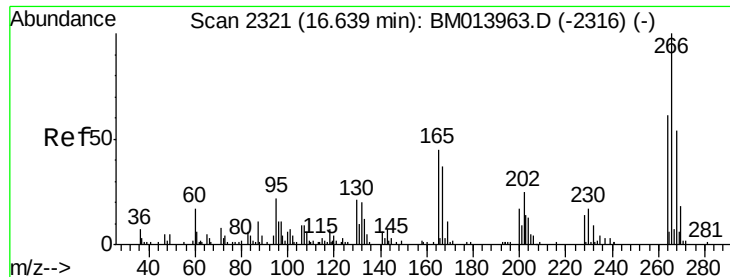
Tot Ion:163 Resp: 108031  
Ion Ratio Lower Upper  
163 100  
194 5.3 3.5 5.3#  
164 10.0 8.2 12.4



#47  
Acenaphthylene  
Concen: 1.510 ng/ul  
RT: 13.95 min Scan# 1863  
Delta R.T. -0.00 min  
Lab File: BM013974.D  
Acq: 30 Jan 2018 00:53

Tgt Ion:152 Resp: 37632  
Ion Ratio Lower Upper  
152 100  
151 16.6 16.3 24.5  
153 9.9 10.2 15.4#

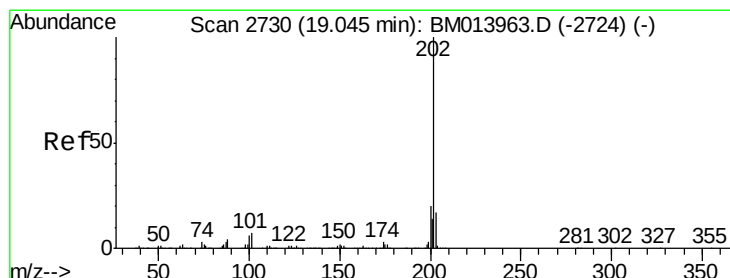
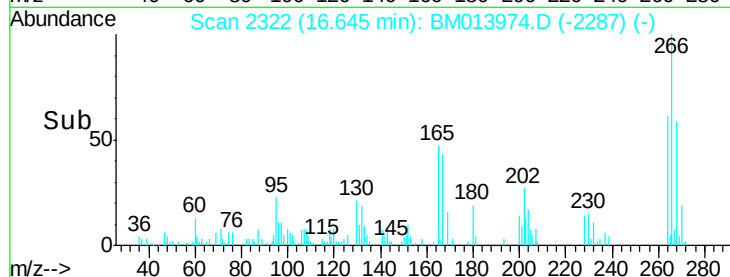
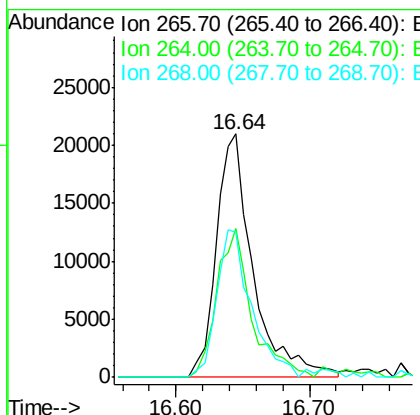
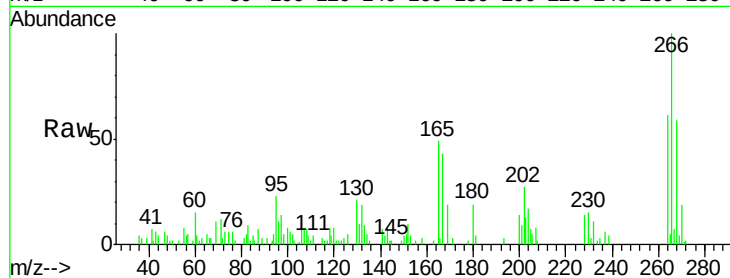




#68  
 Pentachlorophenol  
 Concen: 9.685 ng/ul  
 RT: 16.64 min Scan# 2322  
 Delta R.T. 0.01 min  
 Lab File: BM013974.D  
 Acq: 30 Jan 2018 00:53

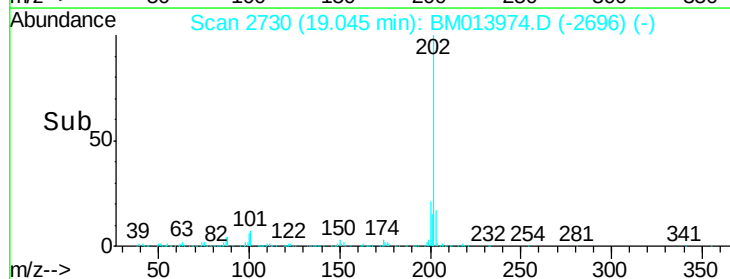
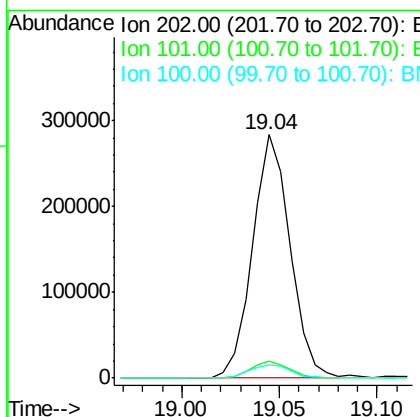
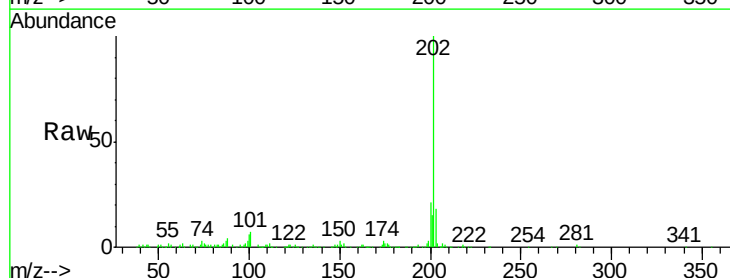
Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6C13

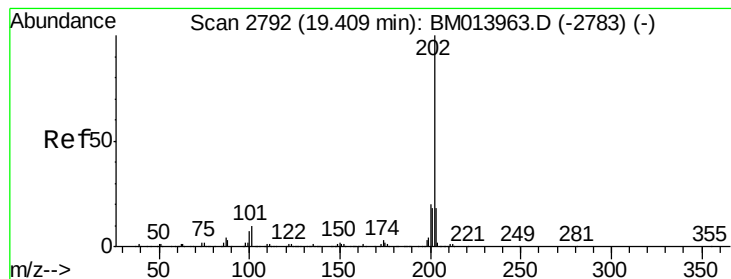
Tot Ion:266 Resp: 40466  
 Ion Ratio Lower Upper  
 266 100  
 264 60.9 49.3 73.9  
 268 59.4 52.6 78.8



#74  
 Fluoranthene  
 Concen: 9.202 ng/ul  
 RT: 19.04 min Scan# 2730  
 Delta R.T. -0.00 min  
 Lab File: BM013974.D  
 Acq: 30 Jan 2018 00:53

Tgt Ion:202 Resp: 377628  
 Ion Ratio Lower Upper  
 202 100  
 101 6.9 4.6 7.0  
 100 5.6 3.4 5.2#





#77

Pvrene

Concen: 13.629 ng/ul

RT: 19.41 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BM013974.D

Acq: 30 Jan 2018 00:53

Instrument :

BNA\_M

ClientSampleId :

F6C13

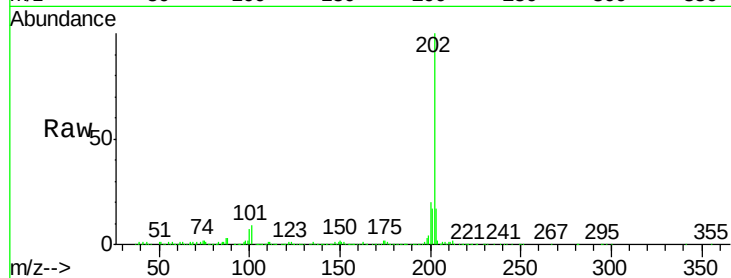
Tot Ion:202 Resp: 625581

Ion Ratio Lower Upper

202 100

101 8.6 5.1 7.7#

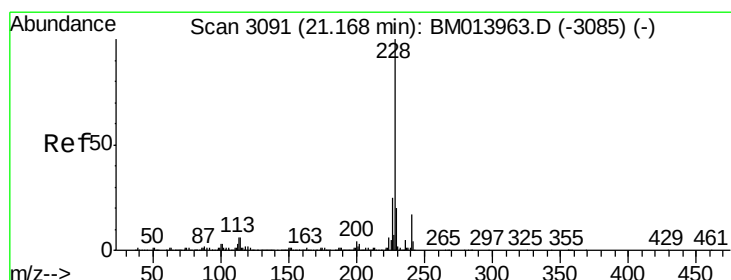
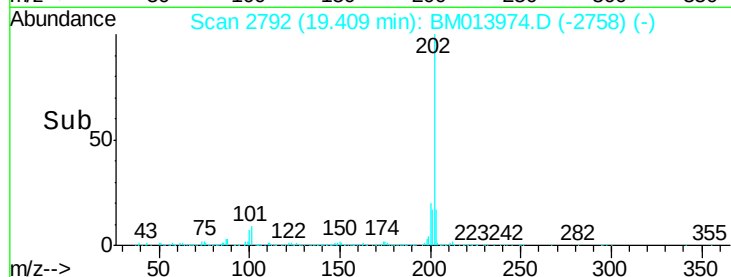
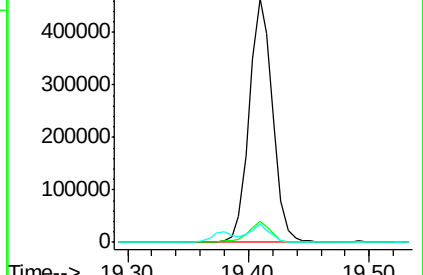
100 7.4 4.9 7.3#



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: 5.459 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM013974.D

Acq: 30 Jan 2018 00:53

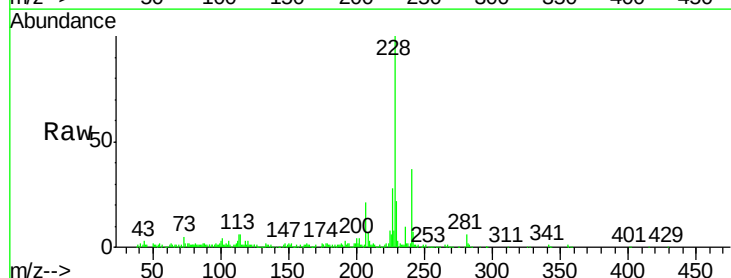
Tgt Ion:228 Resp: 249063

Ion Ratio Lower Upper

228 100

229 22.2 15.4 23.0

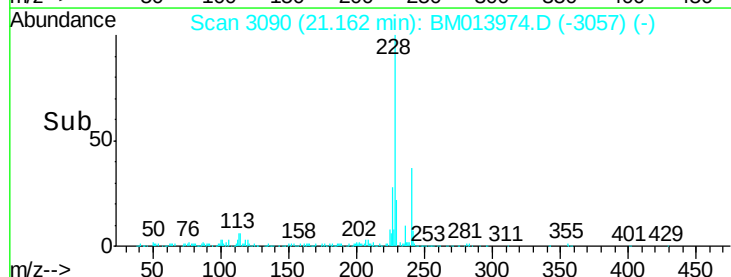
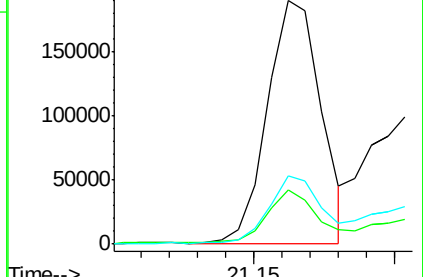
226 28.2 21.4 32.0

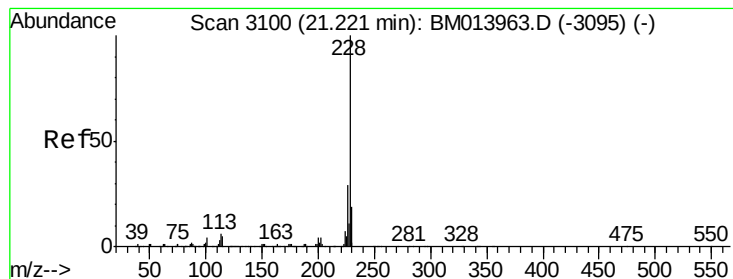


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 8.311 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM013974.D

Acq: 30 Jan 2018 00:53

Instrument :

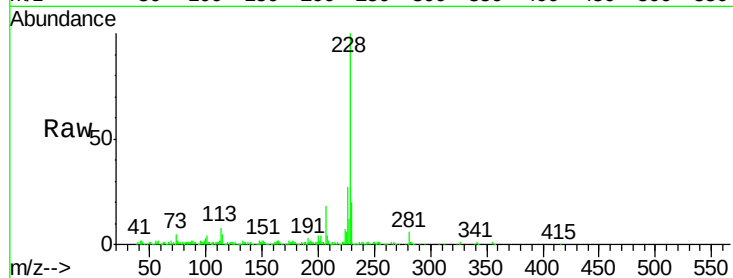
BNA\_M

ClientSampled :

F6C13

Tot Ion:228 Resp: 347830

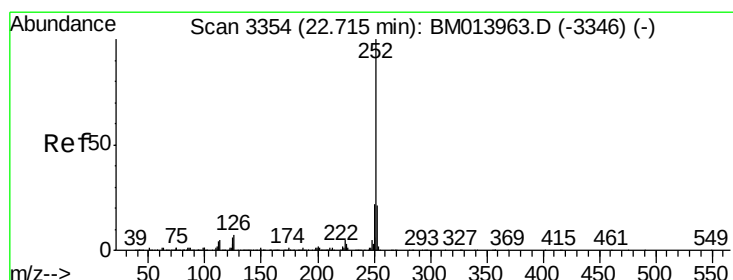
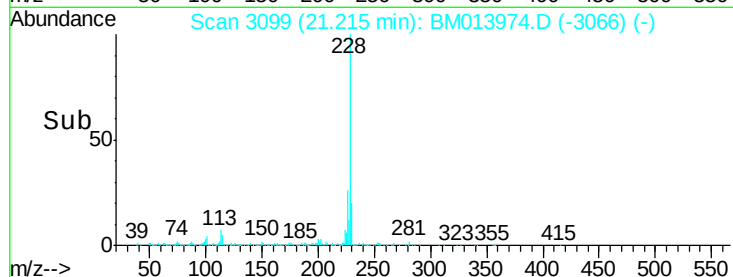
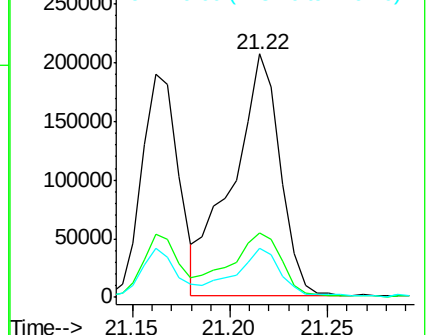
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 26.5  | 23.4  | 35.2  |
| 229 | 20.0  | 15.5  | 23.3  |



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: 10.462 ng/ul

RT: 22.72 min Scan# 3354

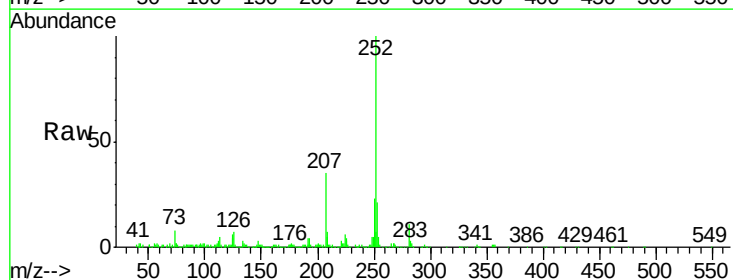
Delta R.T. -0.00 min

Lab File: BM013974.D

Acq: 30 Jan 2018 00:53

Tgt Ion:252 Resp: 479628

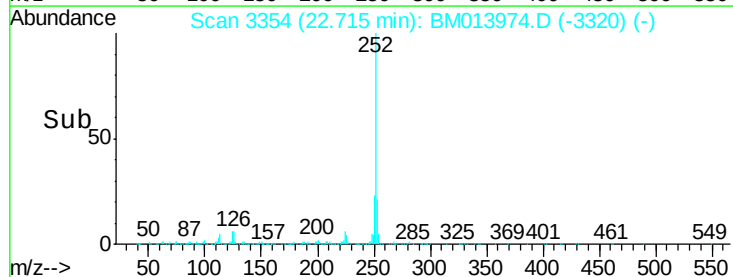
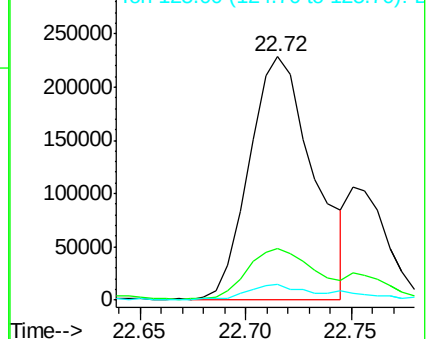
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.4  | 17.9  | 26.9  |
| 125 | 6.3   | 3.6   | 5.4   |

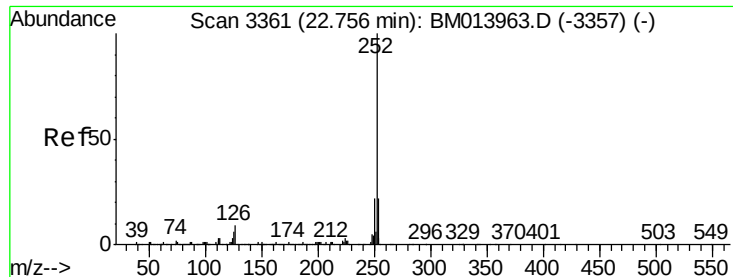


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

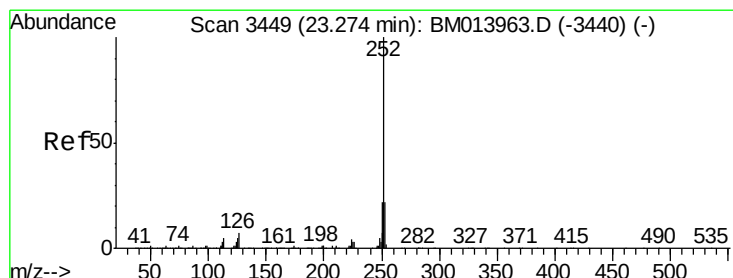
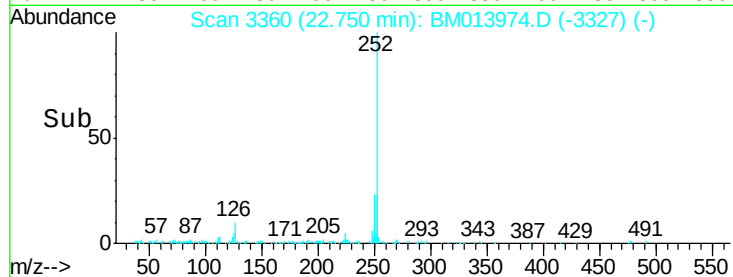
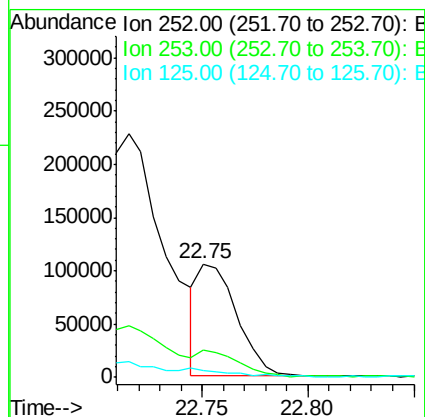
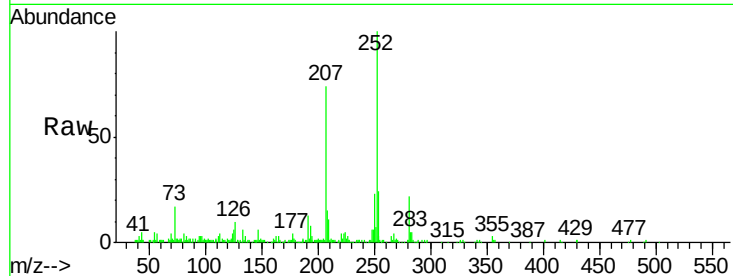




#86  
Benzo(k)fluoranthene  
Concen: 3.013 ng/ul  
RT: 22.75 min Scan# 3360  
Delta R.T. -0.01 min  
Lab File: BM013974.D  
Acq: 30 Jan 2018 00:53

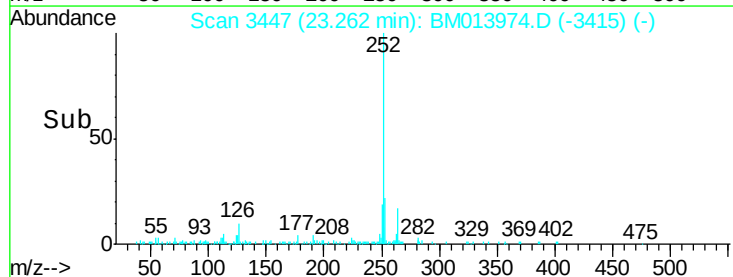
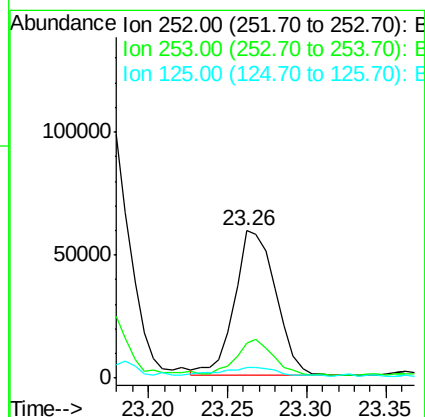
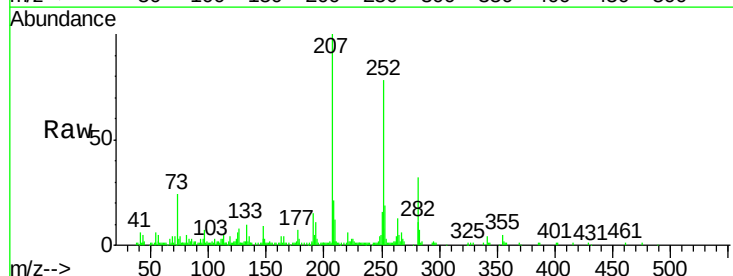
Instrument :  
BNA\_M  
ClientSampled :  
F6C13

Tot Ion:252 Resp: 133494  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.1 25.7  
125 6.0 3.4 5.2#

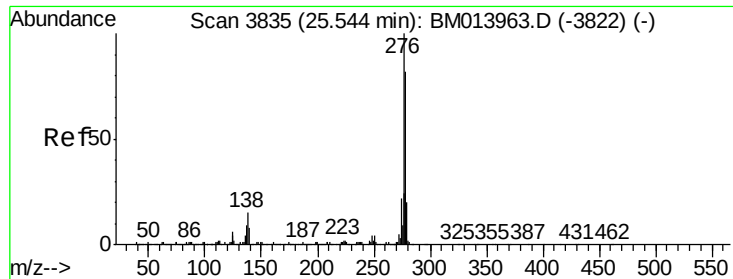


#88  
Benzo(a)pyrene  
Concen: 2.463 ng/ul  
RT: 23.26 min Scan# 3447  
Delta R.T. -0.01 min  
Lab File: BM013974.D  
Acq: 30 Jan 2018 00:53

Tgt Ion:252 Resp: 106665  
Ion Ratio Lower Upper  
252 100  
253 23.9 18.2 27.2  
125 7.3 4.0 6.0#





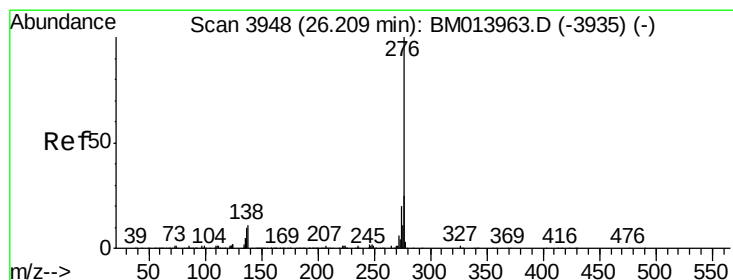
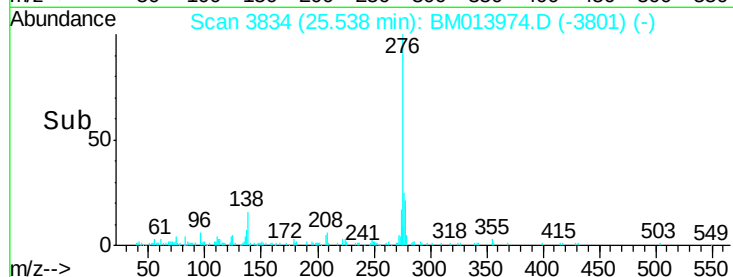
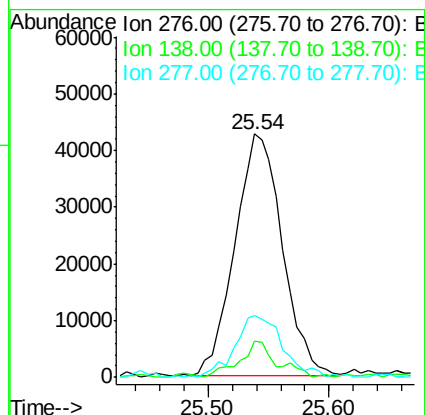
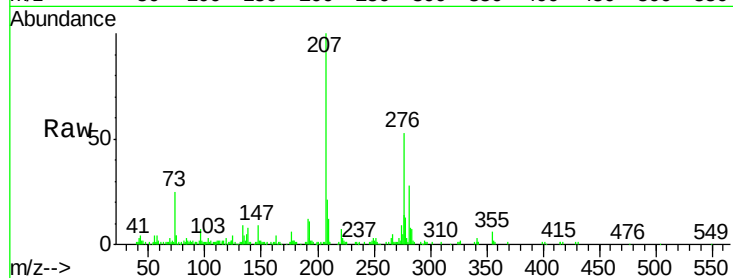


#89

Indeno(1,2,3-cd)pyrene  
Concen: 2.276 ng/ul  
RT: 25.54 min Scan# 3834  
Delta R.T. -0.01 min  
Lab File: BM013974.D  
Acq: 30 Jan 2018 00:53

Instrument :  
BNA\_M  
ClientSampleId :  
F6C13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.0  | 9.3   | 13.9# |
| 277     | 25.7  | 19.9  | 29.9  |



#91

Benzo(g,h,i)perylene  
Concen: 1.931 ng/ul  
RT: 26.21 min Scan# 3949  
Delta R.T. 0.01 min  
Lab File: BM013974.D  
Acq: 30 Jan 2018 00:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 13.1  | 8.5   | 12.7# |
| 277     | 22.8  | 18.6  | 28.0  |

