

Data File : BM013926.D  
Acq On : 28 Jan 2018 17:28  
Operator : SJ/JU  
Sample : J1243-09  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6B32

Quant Time: Jan 29 02:37:14 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 29 02:34:24 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 142001   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 548278   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 392159   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 770569   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.19 | 240  | 835679   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.37 | 264  | 824748   | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.14  | 96  | 8514   | 2.37  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.77  | 99  | 144133 | 13.22 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 97980  | 14.83 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 129280 | 14.55 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 99247  | 11.84 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 68564  | 16.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 70924  | 15.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 133270 | 15.35 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.51 | 131 | 128194 | 17.01 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.65 | 166 | 443023 | 13.71 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.92 | 160 | 570755 | 13.85 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.48 | 143 | 44013  | 8.38  | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.23 | 176 | 396815 | 13.96 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 43539  | 9.39  | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.09 | 188 | 609521 | 16.24 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.39 | 212 | 689517 | 17.72 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.23 | 264 | 670209 | 17.68 | ng/ul | 0.00 |

#### Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 6) Phenol                     | 6.79  | 94  | 16670   | 1.52   | ng/ul# | 89     |
| 14) Acetophenone              | 8.41  | 105 | 15488   | 1.12   | ng/ul  | 89     |
| 17) Hexachloroethane          | 8.67  | 117 | 10310   | 2.39   | ng/ul# | 1      |
| 28) Naphthalene               | 10.41 | 128 | 8056135 | 295.35 | ng/ul  | 100    |
| 30) 4-Chloroaniline           | 10.41 | 127 | 1057384 | 141.53 | ng/ul# | 17     |
| 34) 2-Methylnaphthalene       | 12.03 | 142 | 3875527 | 190.57 | ng/ul  | 93     |
| 40) 1,1'-Biphenyl             | 13.06 | 154 | 841143  | 25.77  | ng/ul  | 99     |
| 44) Dimethylphthalate         | 13.70 | 163 | 67141   | 2.11   | ng/ul# | 95     |
| 47) Acenaphthylene            | 13.95 | 152 | 64417   | 1.71   | ng/ul# | 78     |
| 49) Acenaphthene              | 14.30 | 153 | 2325870 | 89.05  | ng/ul  | 97     |
| 50) 2,4-Dinitrophenol         | 14.22 | 184 | 4757    | 1.35   | ng/ul# | 1      |
| 53) Dibenzofuran              | 14.64 | 168 | 4532085 | 115.35 | ng/ul  | 99     |
| 55) 2,3,4,6-Tetrachlorophenol | 14.87 | 232 | 12956   | 1.57   | ng/ul# | 93     |
| 58) Fluorene                  | 15.29 | 166 | 1767045 | 54.90  | ng/ul  | 98     |
| 68) Pentachlorophenol         | 16.65 | 266 | 137894  | 26.49  | ng/ul  | 93     |
| 69) Phenanthrene              | 17.12 | 178 | 1729864 | 40.39  | ng/ul  | 99     |
| 71) Anthracene                | 17.12 | 178 | 1729864 | 39.16  | ng/ul  | 99     |
| 72) Carbazole                 | 17.40 | 167 | 762468  | 20.91  | ng/ul  | 99     |
| 74) Fluoranthene              | 19.06 | 202 | 9147843 | 178.92 | ng/ul# | 94     |
| 77) Pyrene                    | 19.42 | 202 | 5648334 | 111.18 | ng/ul# | 94     |
| 80) Benzo(a)anthracene        | 21.17 | 228 | 1035888 | 20.51  | ng/ul  | 97     |
| 82) Chrysene                  | 21.22 | 228 | 760968  | 16.43  | ng/ul  | 98     |
| 85) Benzo(b)fluoranthene      | 22.72 | 252 | 420998  | 8.31   | ng/ul# | 98     |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM012818\  
Quantitation Report (Not Reviewed)

Data File : BM013926.D  
Acq On : 28 Jan 2018 17:28  
Operator : SJ/JU  
Sample : J1243-09  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6B32

Quant Time: Jan 29 02:37:14 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 29 02:34:24 2018  
Response via : Initial Calibration

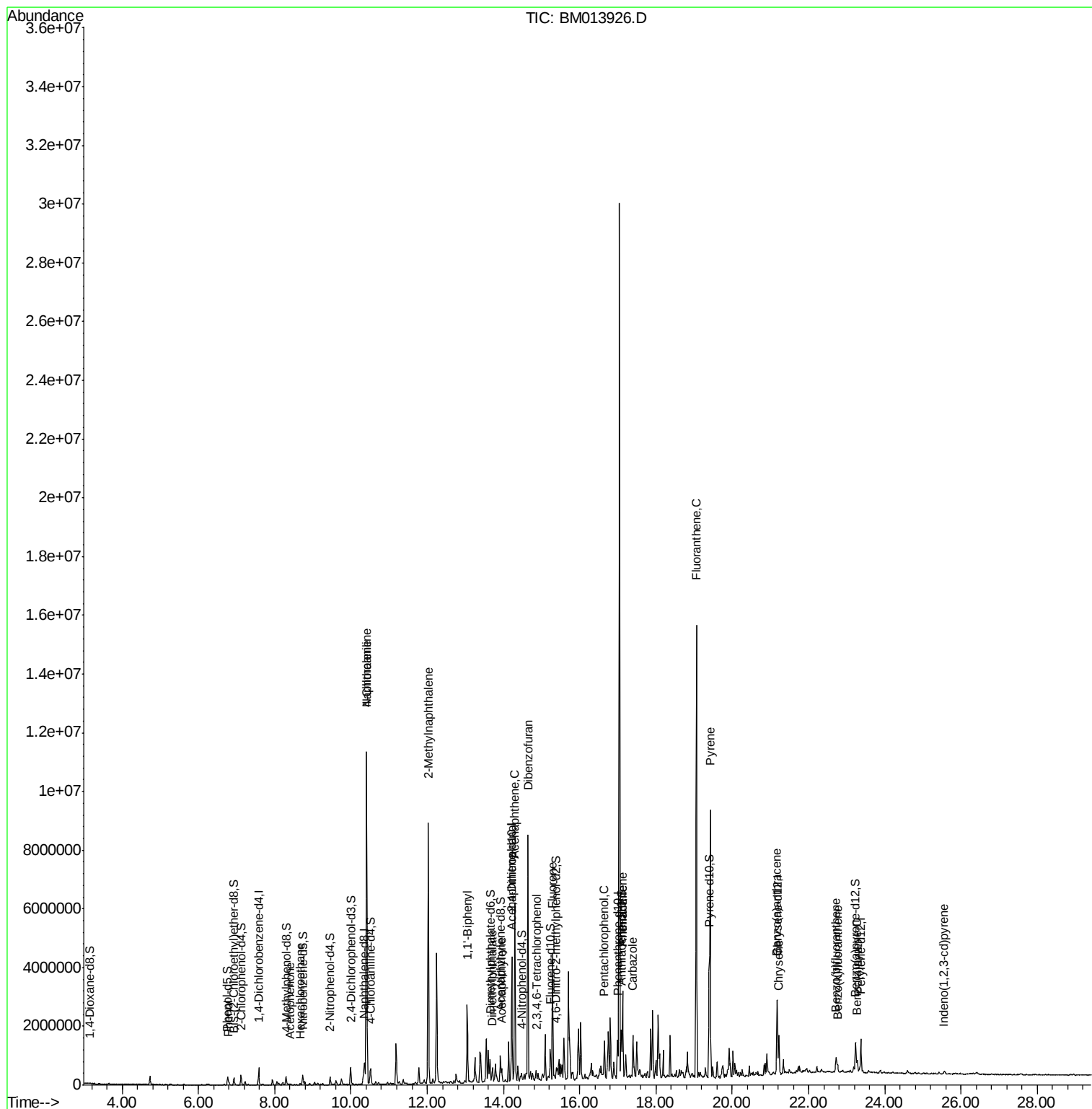
| Internal Standards         | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|----------------------------|-------|------|----------|------|--------|----------|
| 86) Benzo(k)fluoranthene   | 22.76 | 252  | 160269   | 3.27 | ng/ul# | 95       |
| 88) Benzo(a)pyrene         | 23.28 | 252  | 240994   | 5.04 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene | 25.56 | 276  | 67693    | 1.20 | ng/ul  | 100      |

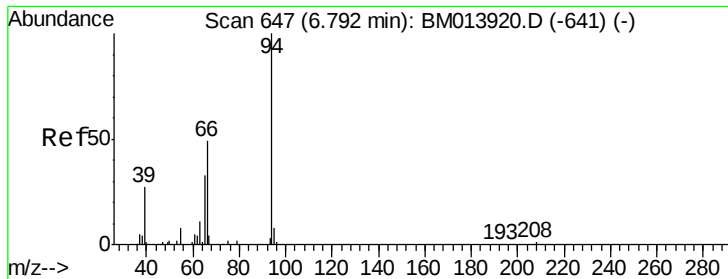
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 29 02:37:14 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 29 02:34:24 2018  
Response via : Initial Calibration





#6

Phenol

Concen: 1.52 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM013926.D

Acq: 28 Jan 2018 17:28

Instrument :

BNA\_M

ClientSampleId :

F6B32

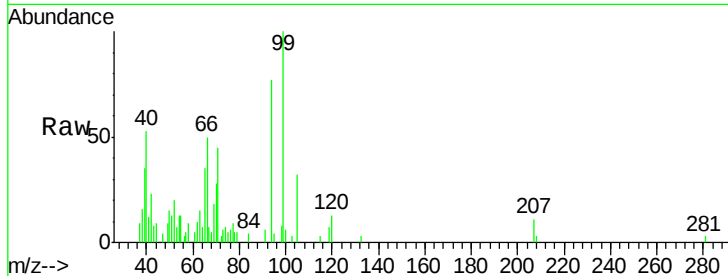
Tgt Ion: 94 Resp: 16670

Ion Ratio Lower Upper

94 100

65 45.1 28.2 42.4#

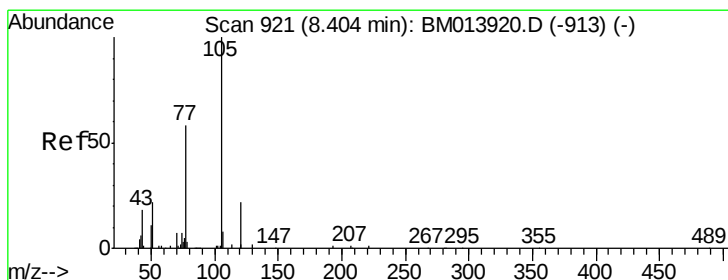
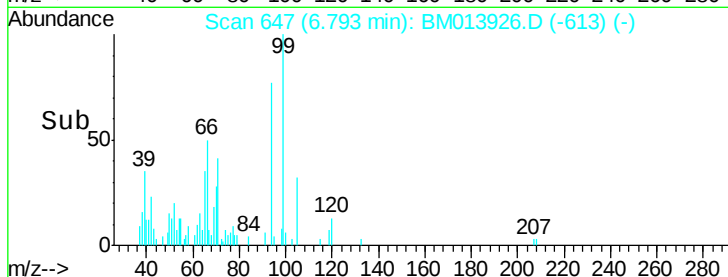
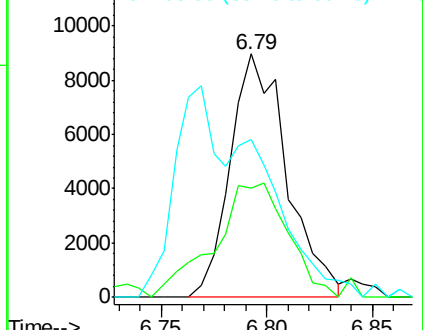
66 64.6 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013920.D (-641) (-)

Ion 65.00 (64.70 to 65.70): BM013920.D (-641) (-)

Ion 66.00 (65.70 to 66.70): BM013920.D (-641) (-)



#14

Acetophenone

Concen: 1.12 ng/ul

RT: 8.41 min Scan# 922

Delta R.T. 0.01 min

Lab File: BM013926.D

Acq: 28 Jan 2018 17:28

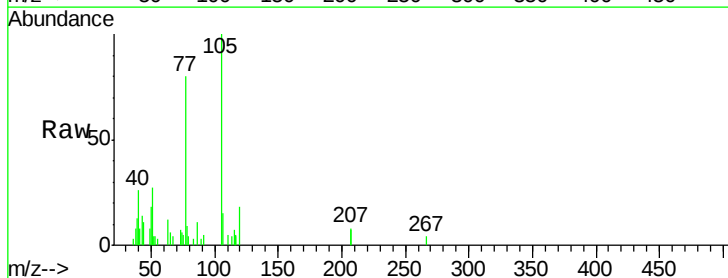
Tgt Ion: 105 Resp: 15488

Ion Ratio Lower Upper

105 100

77 80.0 74.2 111.4

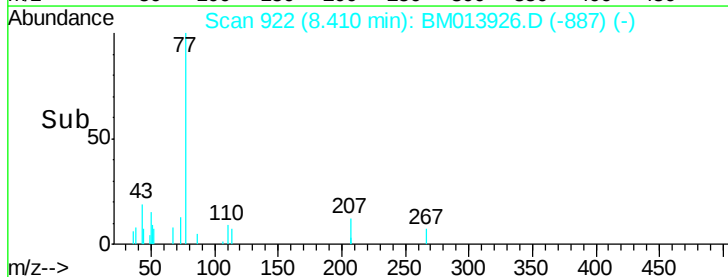
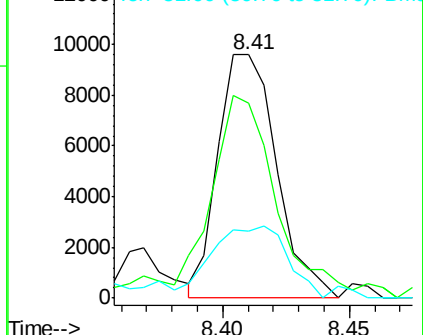
51 27.5 23.4 35.2

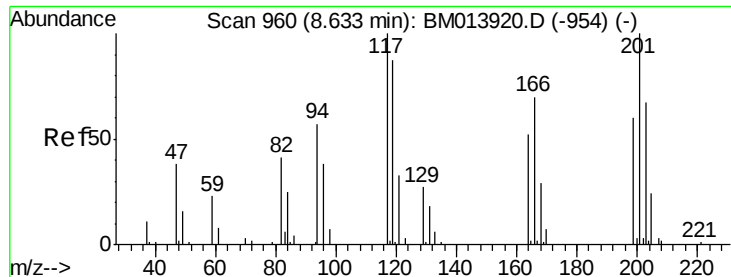


Abundance Ion 105.00 (104.70 to 105.70): BM013920.D (-913) (-)

Ion 77.00 (76.70 to 77.70): BM013920.D (-913) (-)

Ion 51.00 (50.70 to 51.70): BM013920.D (-913) (-)

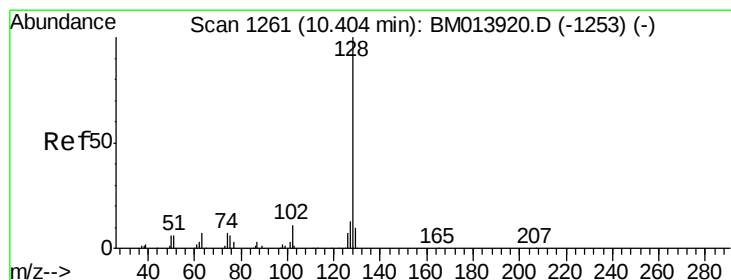
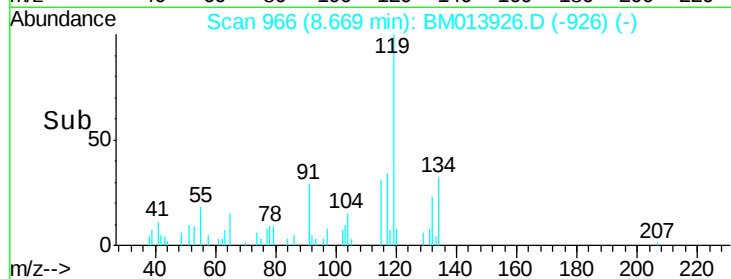
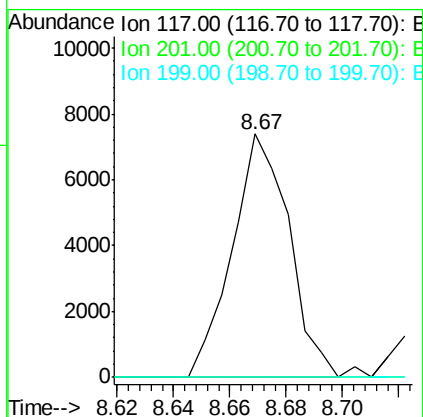
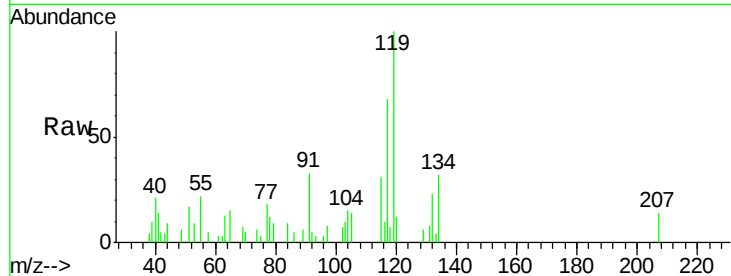




#17  
Hexachloroethane  
Concen: 2.39 ng/ul  
RT: 8.67 min Scan# 966  
Delta R.T. 0.04 min  
Lab File: BM013926.D  
Acq: 28 Jan 2018 17:28

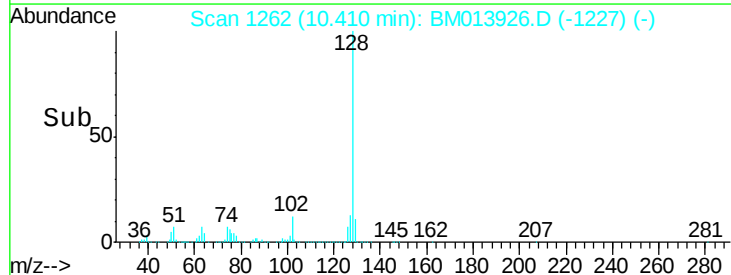
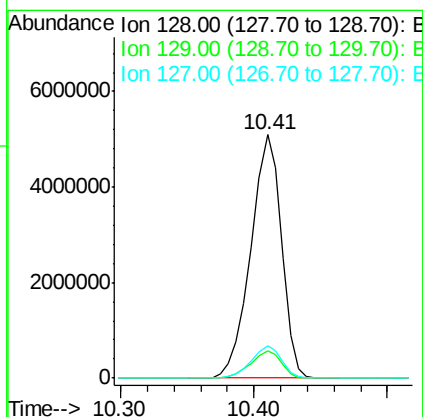
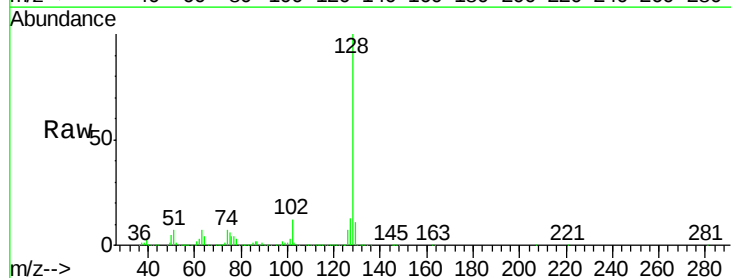
Instrument :  
BNA\_M  
ClientSampled :  
F6B32

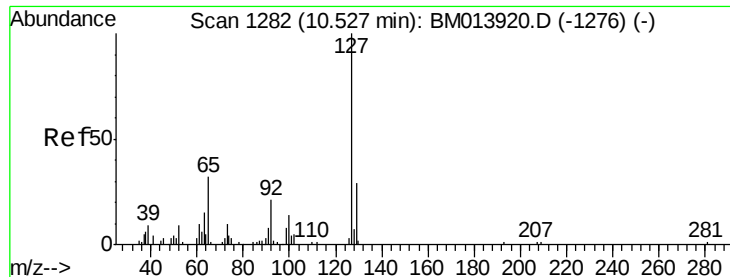
Tgt Ion:117 Resp: 10310  
Ion Ratio Lower Upper  
117 100  
201 0.0 111.6 167.4#  
199 0.0 67.8 101.6#



#28  
Naphthalene  
Concen: 295.35 ng/ul  
RT: 10.41 min Scan# 1262  
Delta R.T. 0.01 min  
Lab File: BM013926.D  
Acq: 28 Jan 2018 17:28

Tgt Ion:128 Resp: 8056135  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 13.1 10.6 16.0

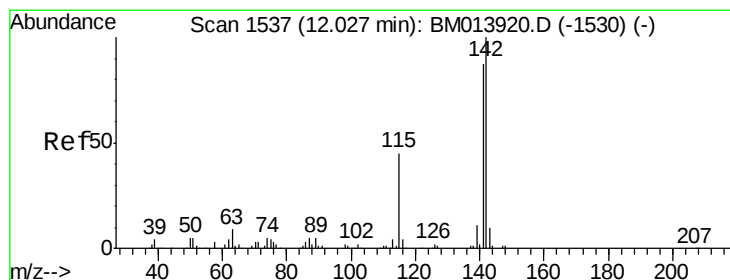
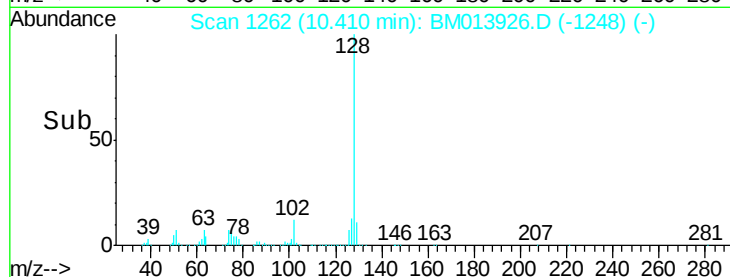
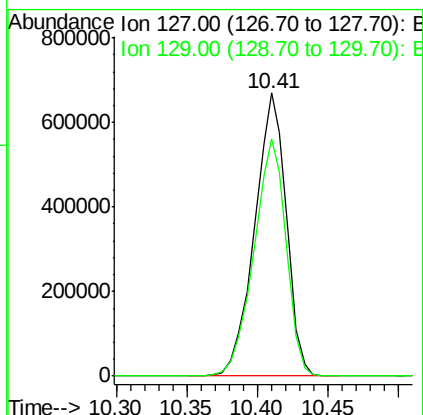
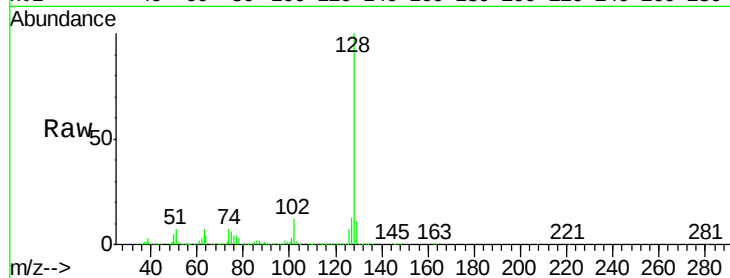




#30  
 4-Chloroaniline  
 Concen: 141.53 ng/ul  
 RT: 10.41 min Scan# 1262  
 Delta R.T. -0.12 min  
 Lab File: BM013926.D  
 Acq: 28 Jan 2018 17:28

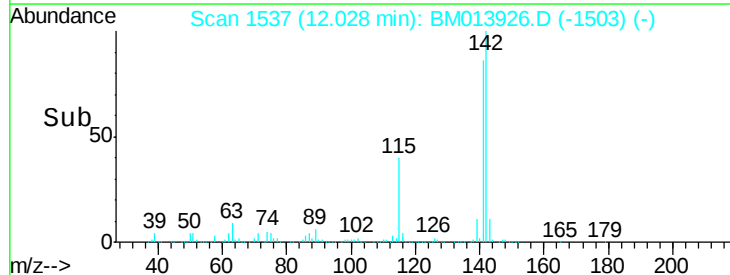
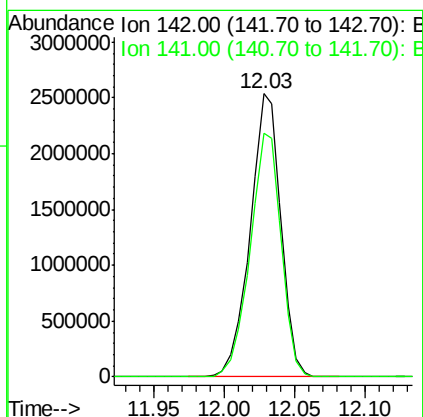
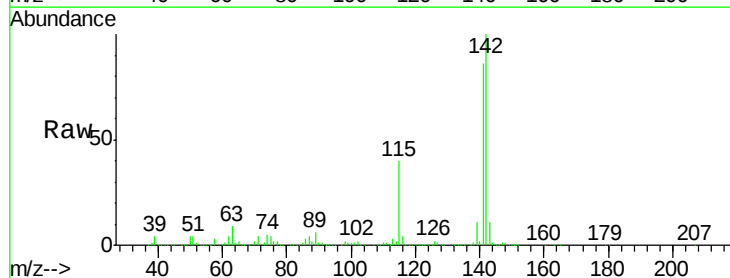
Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6B32

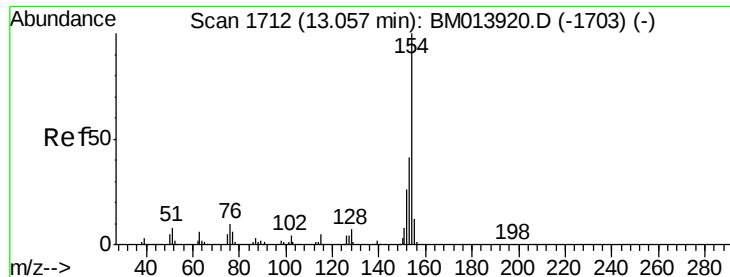
Tgt Ion:127 Resp: 1057384  
 Ion Ratio Lower Upper  
 127 100  
 129 83.8 28.4 42.6#



#34  
 2-Methylnaphthalene  
 Concen: 190.57 ng/ul  
 RT: 12.03 min Scan# 1537  
 Delta R.T. 0.00 min  
 Lab File: BM013926.D  
 Acq: 28 Jan 2018 17:28

Tgt Ion:142 Resp: 3875527  
 Ion Ratio Lower Upper  
 142 100  
 141 86.1 74.1 111.1

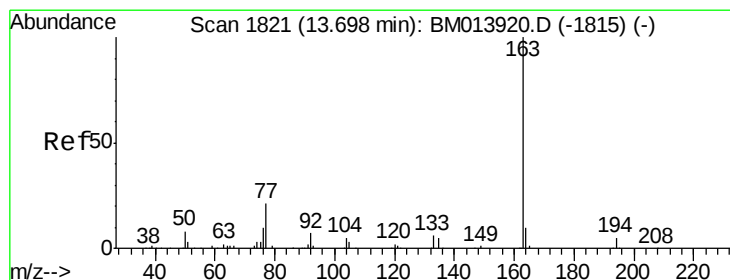
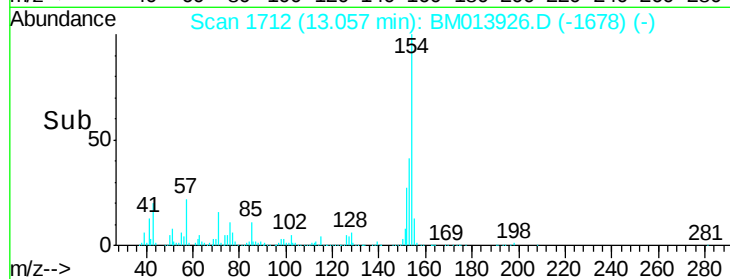
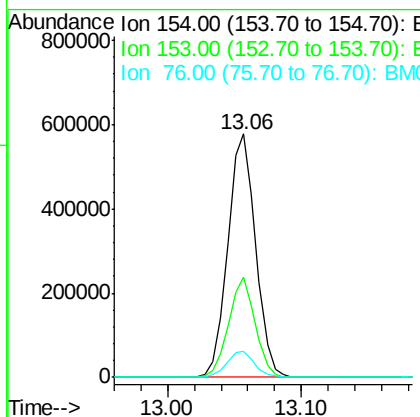
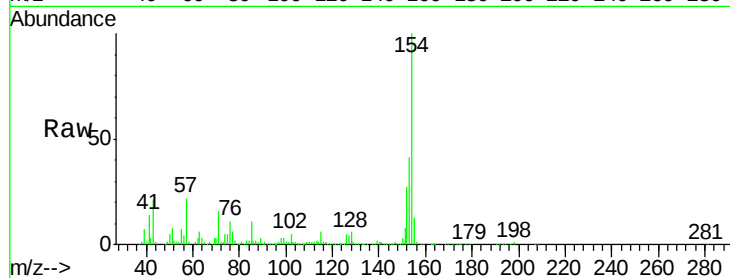




#40  
1,1'-Biphenyl  
Concen: 25.77 ng/ul  
RT: 13.06 min Scan# 1712  
Delta R.T. 0.00 min  
Lab File: BM013926.D  
Acq: 28 Jan 2018 17:28

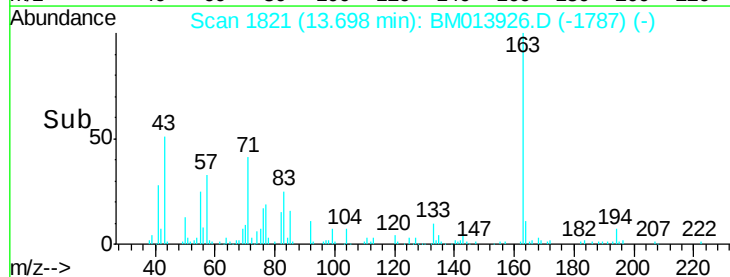
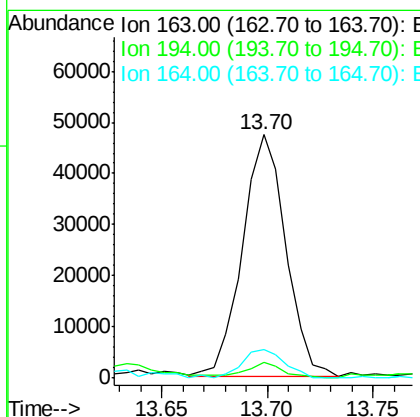
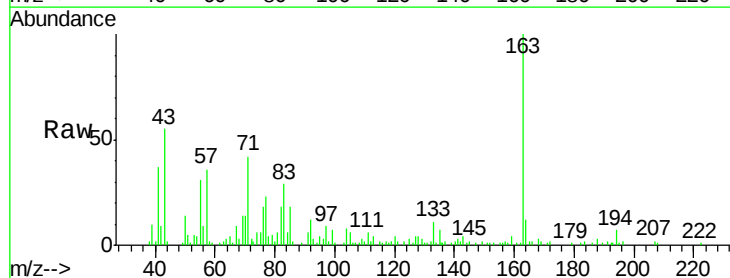
Instrument :  
BNA\_M  
ClientSampleId :  
F6B32

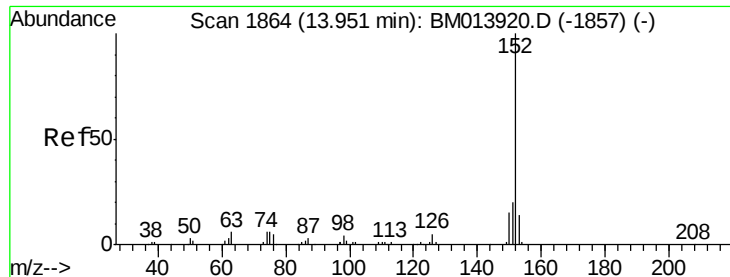
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 154   | Resp: | 841143 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 41.2  | 32.6  | 48.8   |
| 76       | 10.6  | 8.5   | 12.7   |



#44  
Dimethylphthalate  
Concen: 2.11 ng/ul  
RT: 13.70 min Scan# 1821  
Delta R.T. 0.00 min  
Lab File: BM013926.D  
Acq: 28 Jan 2018 17:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 67141 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 6.5   | 3.5   | 5.3#  |
| 164      | 11.9  | 8.2   | 12.4  |





#47

Acenaphthylene

Concen: 1.71 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BM013926.D

Acq: 28 Jan 2018 17:28

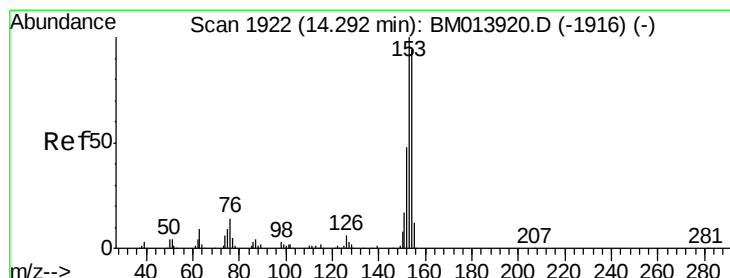
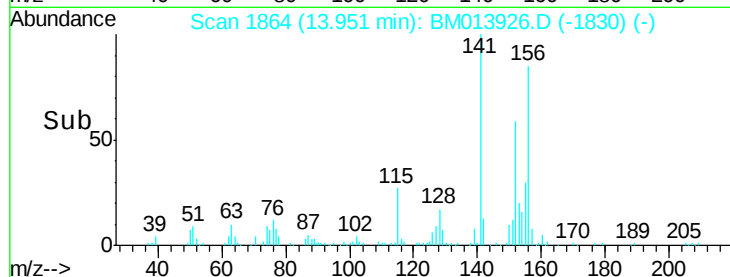
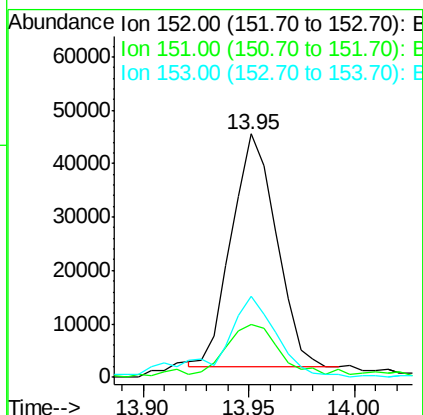
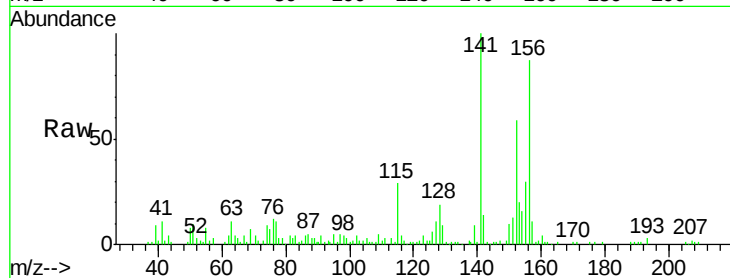
Instrument :

BNA\_M

ClientSampleId :

F6B32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 64417 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.9  | 16.3  | 24.5  |
| 153      | 33.1  | 10.2  | 15.4# |



#49

Acenaphthene

Concen: 89.05 ng/ul

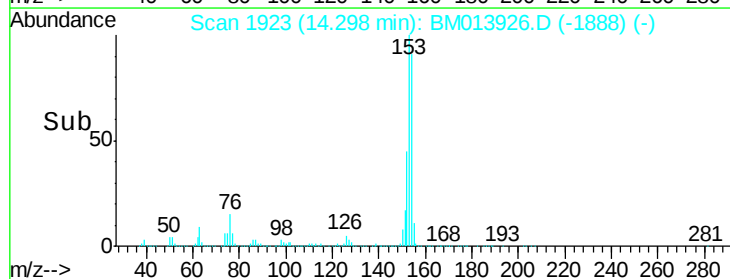
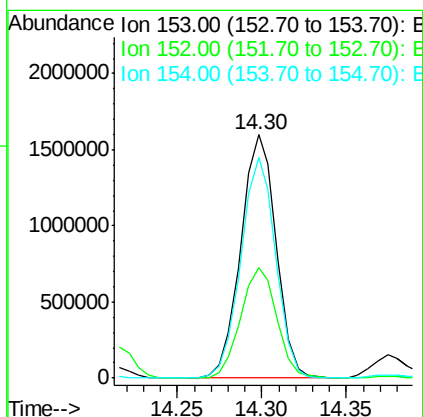
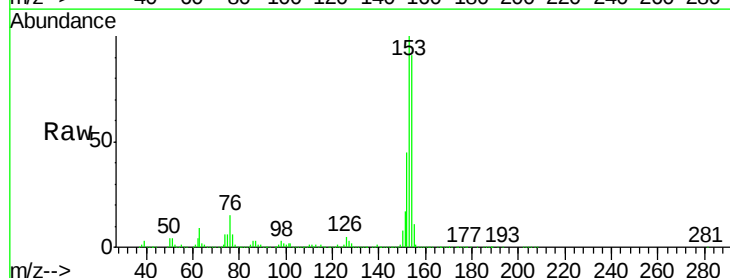
RT: 14.30 min Scan# 1923

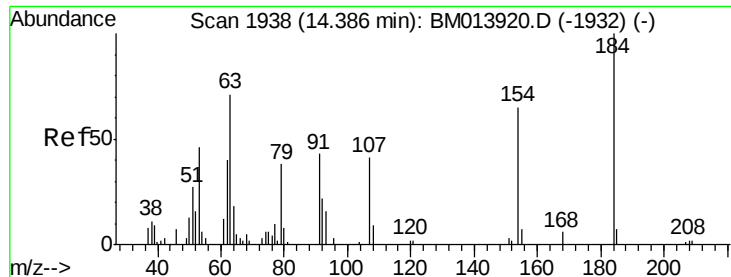
Delta R.T. 0.01 min

Lab File: BM013926.D

Acq: 28 Jan 2018 17:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 153   | Resp: | 2325870 |
| Ion      | Ratio | Lower | Upper   |
| 153      | 100   |       |         |
| 152      | 45.2  | 37.6  | 56.4    |
| 154      | 90.7  | 70.4  | 105.6   |

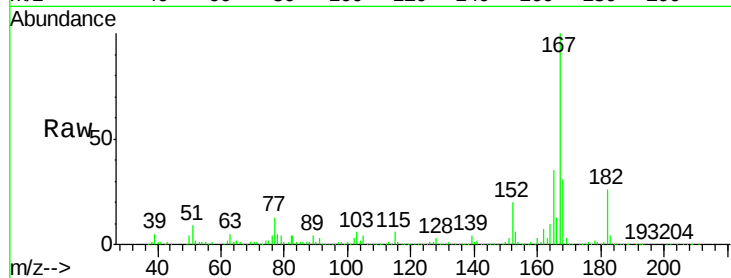




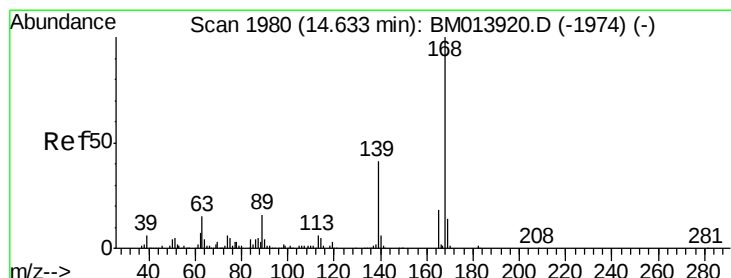
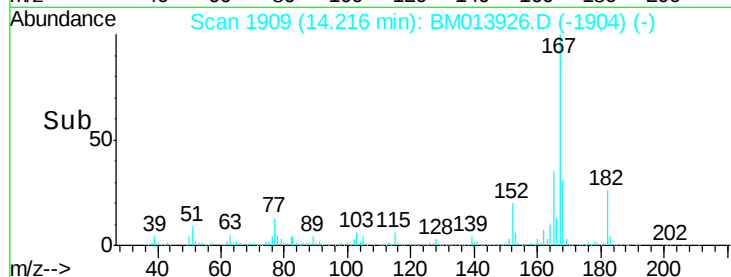
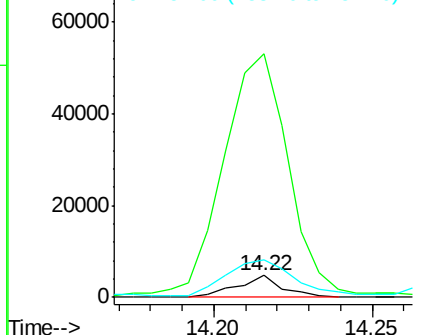
#50  
2,4-Dinitrophenol  
Concen: 1.35 ng/ul  
RT: 14.22 min Scan# 1909  
Delta R.T. -0.17 min  
Lab File: BM013926.D  
Acq: 28 Jan 2018 17:28

Instrument :  
BNA\_M  
ClientSampleId :  
F6B32

Tgt Ion:184 Resp: 4757  
Ion Ratio Lower Upper  
184 100  
63 1119.7 50.1 75.1#  
154 170.1 54.5 81.7#

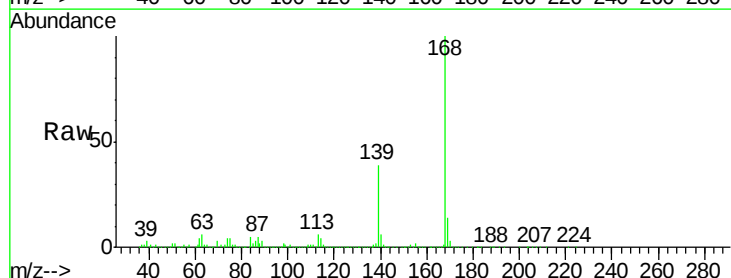


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BM013920.D (-1932) (-)  
Ion 154.00 (153.70 to 154.70): E



#53  
Dibenzofuran  
Concen: 115.35 ng/ul  
RT: 14.64 min Scan# 1981  
Delta R.T. 0.01 min  
Lab File: BM013926.D  
Acq: 28 Jan 2018 17:28

Tgt Ion:168 Resp: 4532085  
Ion Ratio Lower Upper  
168 100  
139 39.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E

