

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040320\  
 Data File : BN010405.D  
 Acq On : 03 Apr 2020 10:40  
 Operator : CG/JU  
 Sample : L2065-11DL2 200X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBF07DL2

Quant Time: Apr 03 11:33:34 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN040120MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 03 10:35:52 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 344154   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.37 | 136  | 1510165  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.23 | 164  | 1058859  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.98 | 188  | 2491342  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.18 | 240  | 2806409  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.36 | 264  | 3118214  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |      |
|--------------------------------|-------|-----|-------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0d    | 0.00 | ng/uL |      |
| 5) Phenol-d5                   | 0.00  | 99  | 0d    | 0.00 | ng/ul |      |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 2748  | 0.18 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 3535  | 0.16 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.31  | 113 | 1948  | 0.08 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.75  | 128 | 1829  | 0.16 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.46  | 143 | 1322  | 0.11 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.00 | 165 | 2486  | 0.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d    | 0.00 | ng/ul |      |
| 44) Dimethylphthalate-d6       | 13.65 | 166 | 16936 | 0.21 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.92 | 160 | 17365 | 0.19 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0     | 0.00 | ng/ul |      |
| 58) Fluorene-d10               | 15.23 | 176 | 16885 | 0.24 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0     | 0.00 | ng/ul |      |
| 71) Anthracene-d10             | 0.00  | 188 | 0d    | 0.00 | ng/ul |      |
| 79) Pyrene-d10                 | 19.38 | 212 | 30832 | 0.21 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 0.00  | 264 | 0d    | 0.00 | ng/ul |      |

## Target Compounds

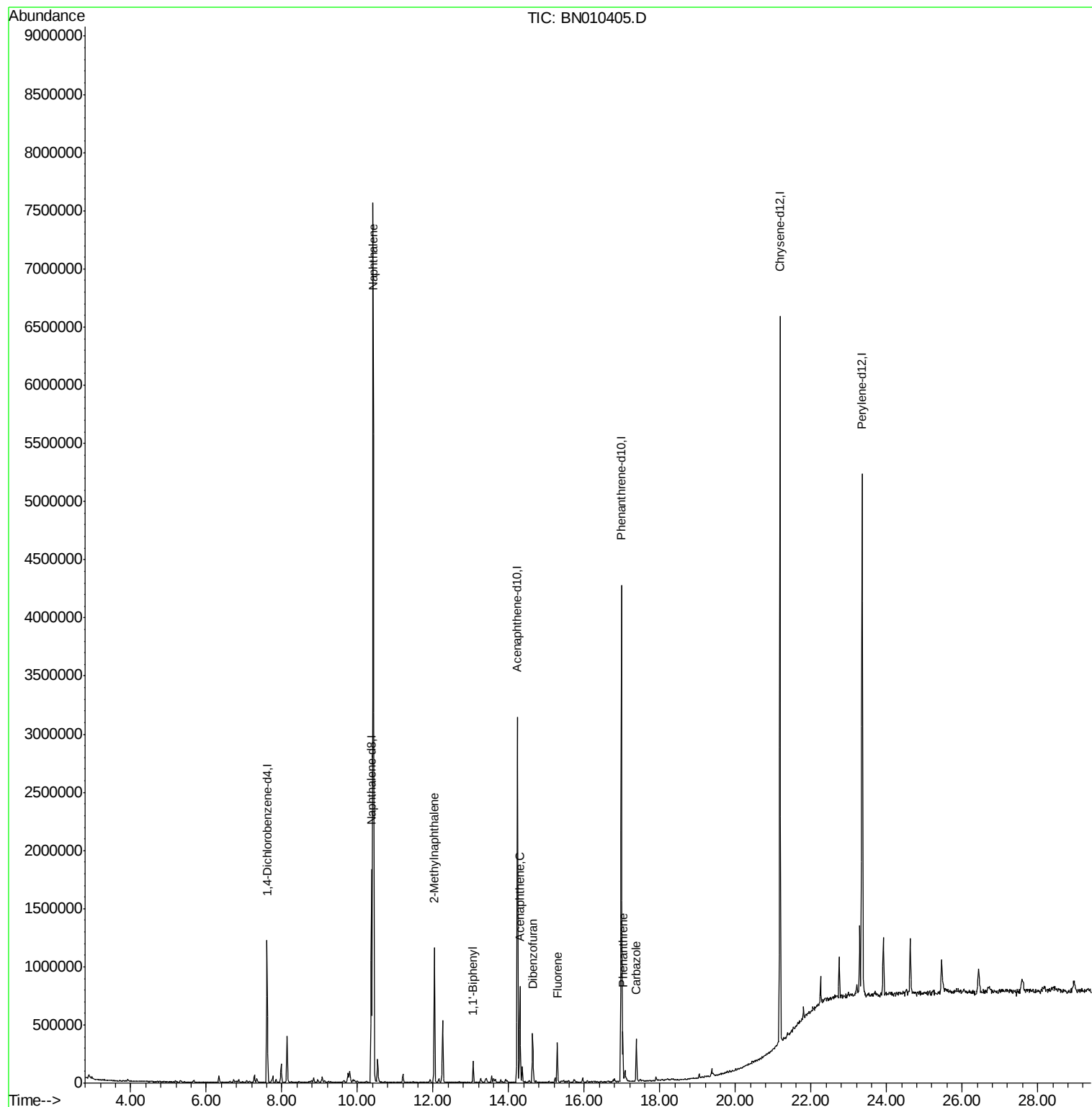
|                         |       |     |         |        | Ovalue |    |
|-------------------------|-------|-----|---------|--------|--------|----|
| 28) Naphthalene         | 10.42 | 128 | 6417355 | 78.992 | ng/ul  | 99 |
| 34) 2-Methylnaphthalene | 12.03 | 142 | 537991  | 9.115  | ng/ul  | 98 |
| 41) 1,1'-Biphenyl       | 13.06 | 154 | 94492   | 1.173  | ng/ul  | 96 |
| 50) Acenaphthene        | 14.30 | 153 | 325897  | 4.712  | ng/ul  | 99 |
| 54) Dibenzofuran        | 14.63 | 168 | 263158  | 2.701  | ng/ul  | 95 |
| 59) Fluorene            | 15.29 | 166 | 148007  | 1.867  | ng/ul  | 96 |
| 70) Phenanthrene        | 17.02 | 178 | 228466  | 1.655  | ng/ul  | 97 |
| 75) Carbazole           | 17.38 | 167 | 233050  | 2.030  | ng/ul  | 98 |

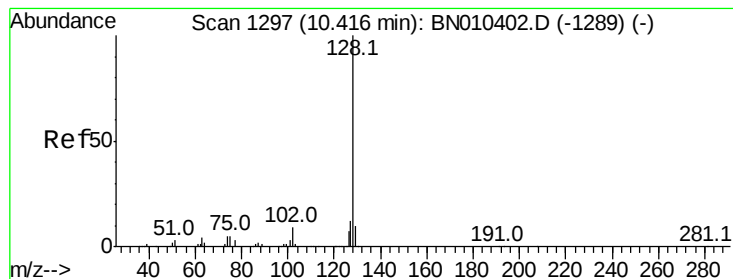
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 03 10:35:52 2020  
Response via : Initial Calibration





#28

Naphthalene

Concen: 78.992 ng/ul

RT: 10.42 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BN010405.D

Acq: 03 Apr 2020 10:40

Instrument :

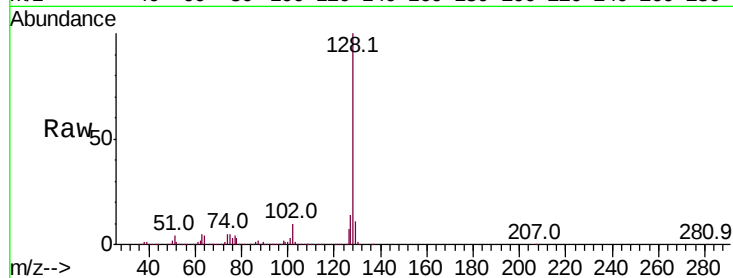
BNA\_N

ClientSampleId :

DBF07DL2

Tot Ion:128 Resp: 6417355

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.2  | 8.6   | 13.0  |
| 127 | 13.5  | 10.8  | 16.2  |

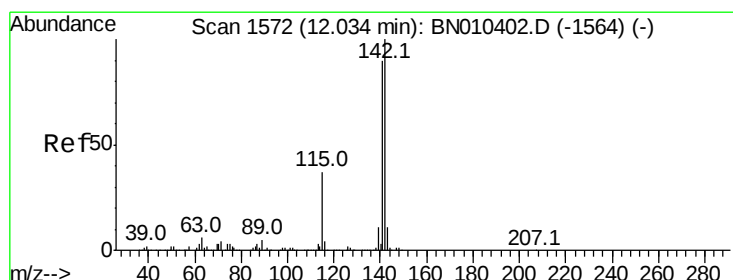
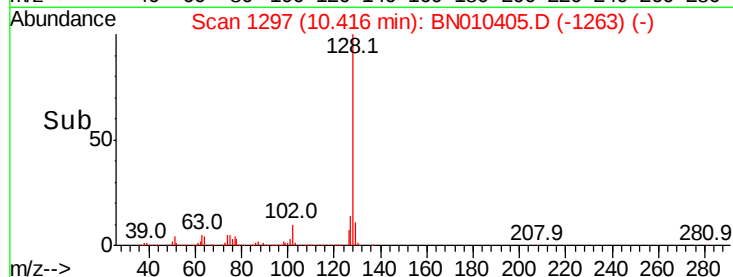
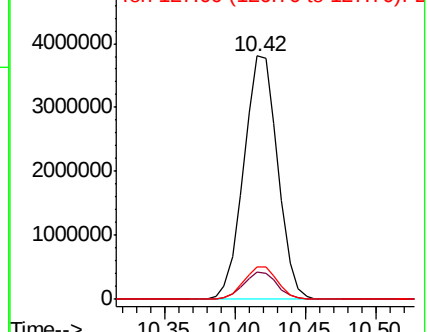


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 9.115 ng/ul

RT: 12.03 min Scan# 1572

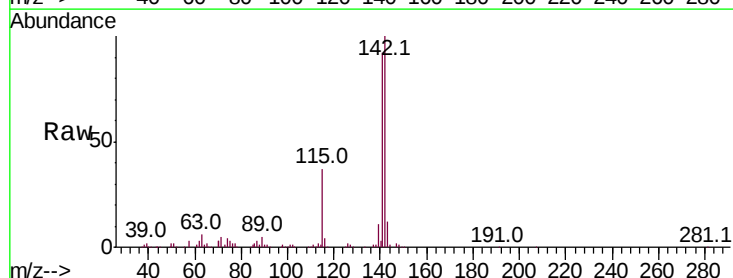
Delta R.T. -0.00 min

Lab File: BN010405.D

Acq: 03 Apr 2020 10:40

Tgt Ion:142 Resp: 537991

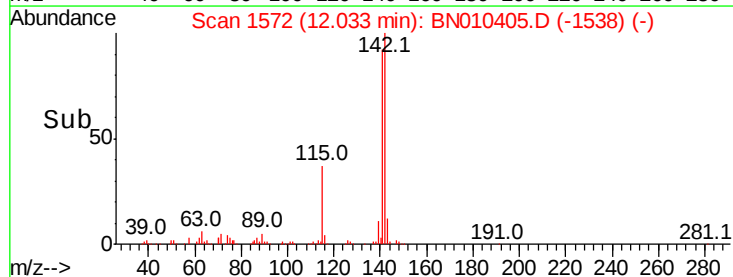
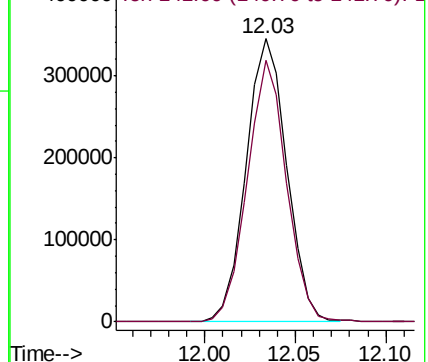
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 92.3  | 72.1  | 108.1 |

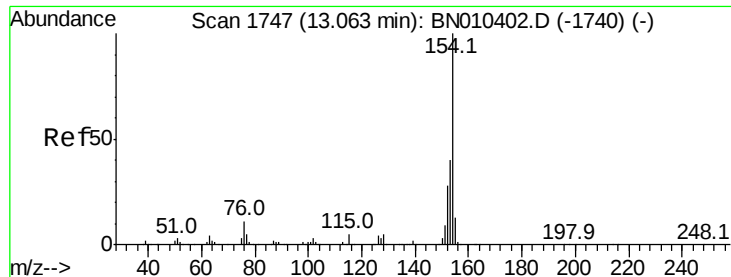


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

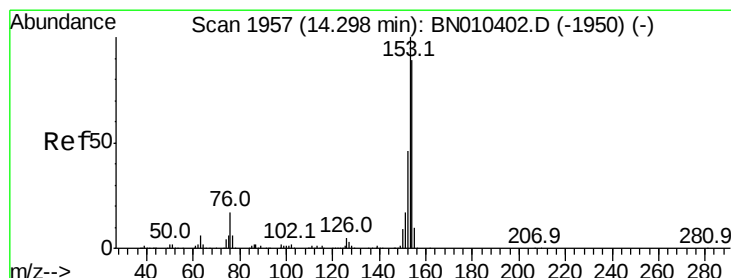
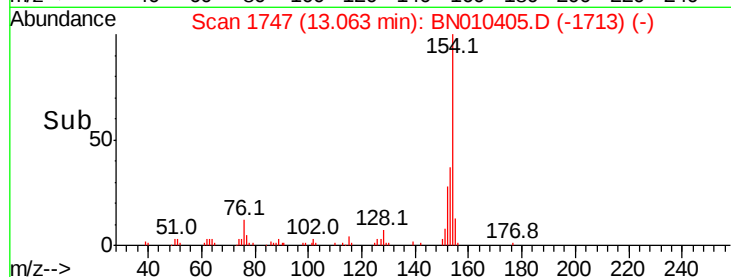
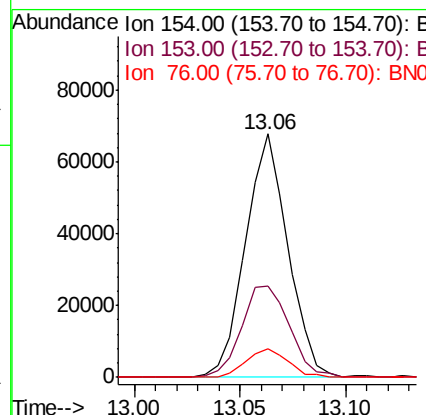
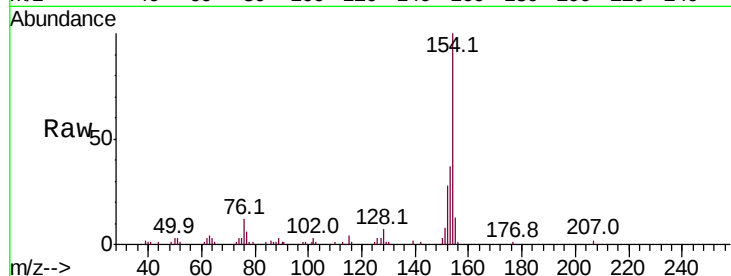




#41  
 1,1'-Biphenyl  
 Concen: 1.173 ng/ul  
 RT: 13.06 min Scan# 1747  
 Delta R.T. -0.00 min  
 Lab File: BN010405.D  
 Acq: 03 Apr 2020 10:40

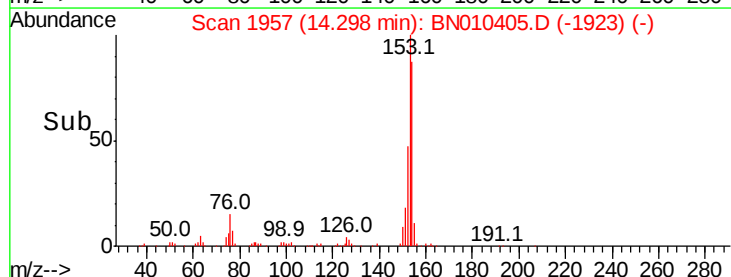
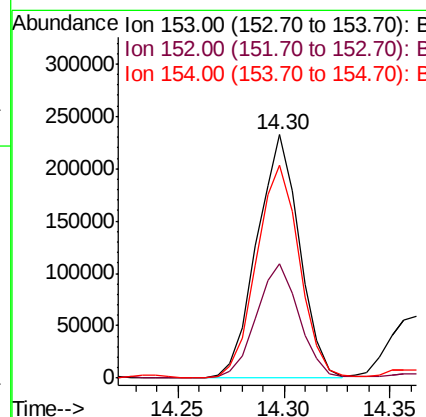
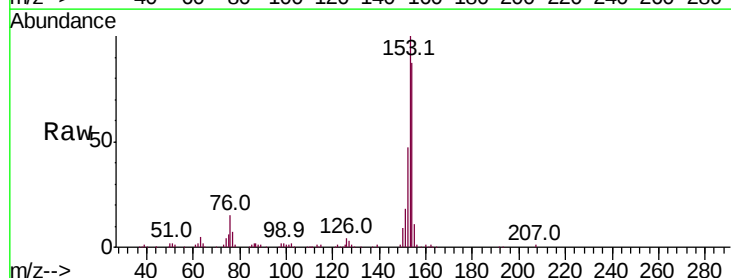
Instrument :  
 BNA\_N  
 ClientSampleID :  
 DBF07DL2

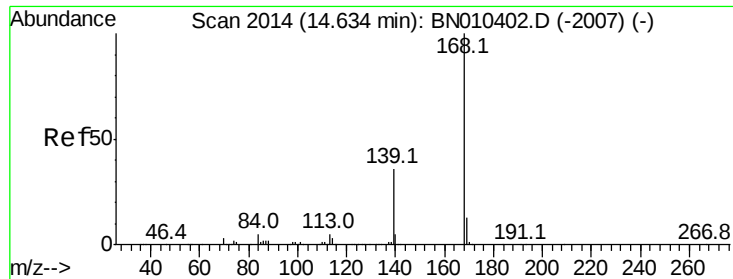
Tot Ion:154 Resp: 94492  
 Ion Ratio Lower Upper  
 154 100  
 153 37.4 32.6 49.0  
 76 11.6 9.4 14.2



#50  
 Acenaphthene  
 Concen: 4.712 ng/ul  
 RT: 14.30 min Scan# 1957  
 Delta R.T. -0.00 min  
 Lab File: BN010405.D  
 Acq: 03 Apr 2020 10:40

Tgt Ion:153 Resp: 325897  
 Ion Ratio Lower Upper  
 153 100  
 152 47.2 37.8 56.6  
 154 87.3 69.1 103.7

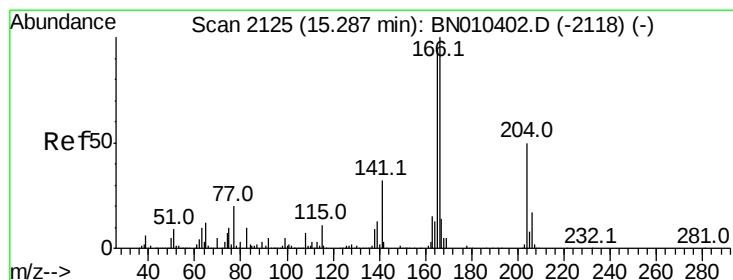
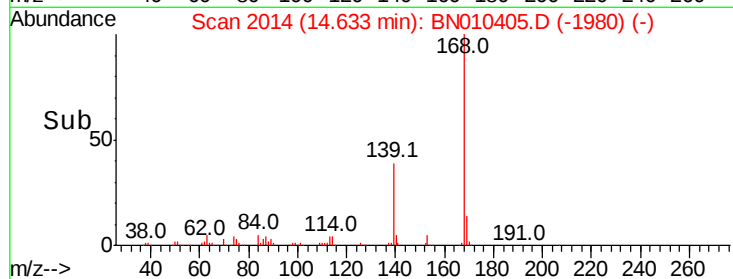
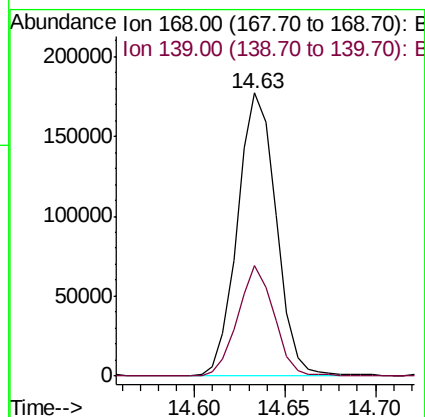
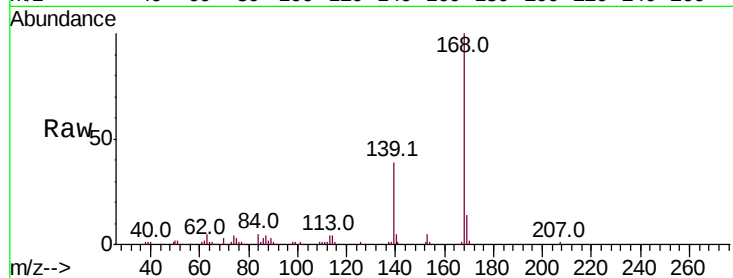




#54  
Dibenzenofuran  
Concen: 2.701 ng/ul  
RT: 14.63 min Scan# 2014  
Delta R.T. -0.00 min  
Lab File: BN010405.D  
Acq: 03 Apr 2020 10:40

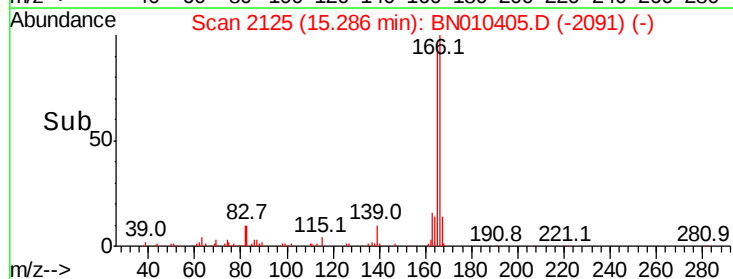
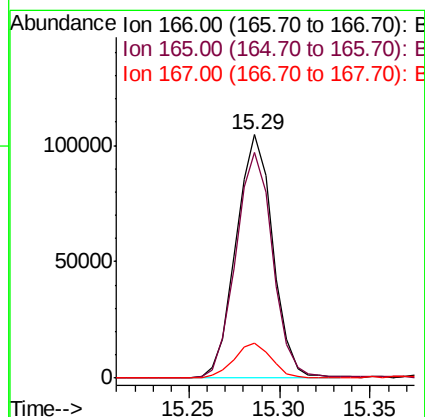
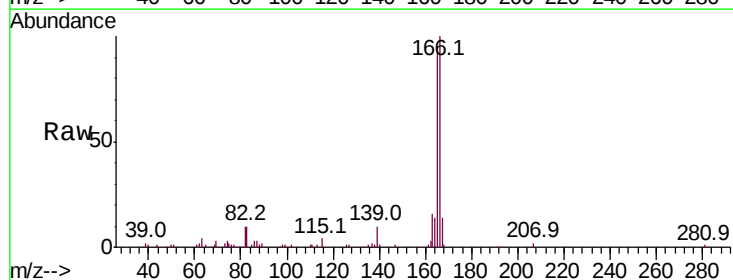
Instrument :  
BNA\_N  
ClientSampleId :  
DBF07DL2

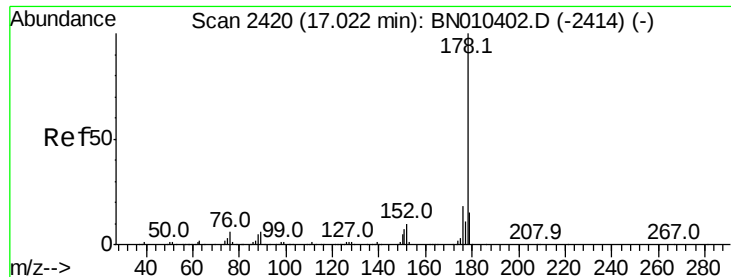
Tot Ion:168 Resp: 263158  
Ion Ratio Lower Upper  
168 100  
139 39.2 29.0 43.4



#59  
Fluorene  
Concen: 1.867 ng/ul  
RT: 15.29 min Scan# 2125  
Delta R.T. -0.00 min  
Lab File: BN010405.D  
Acq: 03 Apr 2020 10:40

Tgt Ion:166 Resp: 148007  
Ion Ratio Lower Upper  
166 100  
165 92.5 77.6 116.4  
167 14.5 10.7 16.1





#70

Phenanthrene

Concen: 1.655 ng/ul

RT: 17.02 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BN010405.D

Acq: 03 Apr 2020 10:40

Instrument :

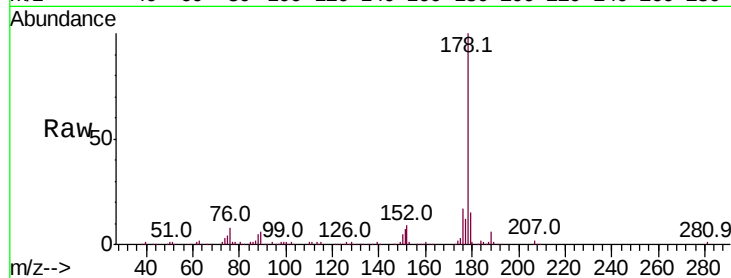
BNA\_N

ClientSampleId :

DBF07DL2

Tot Ion:178 Resp: 228466

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 14.6  | 11.9  | 17.9  |
| 176 | 17.4  | 15.4  | 23.2  |

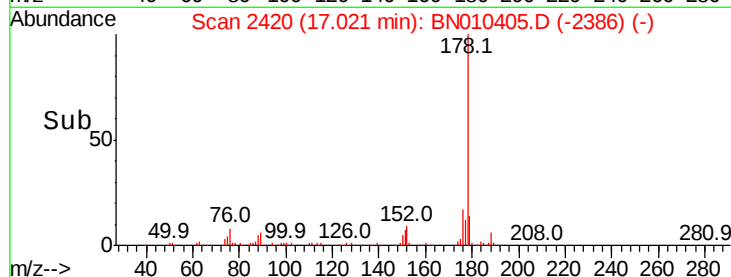
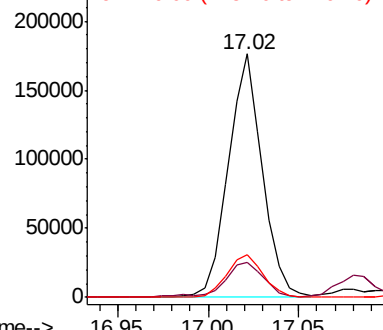


Abundance

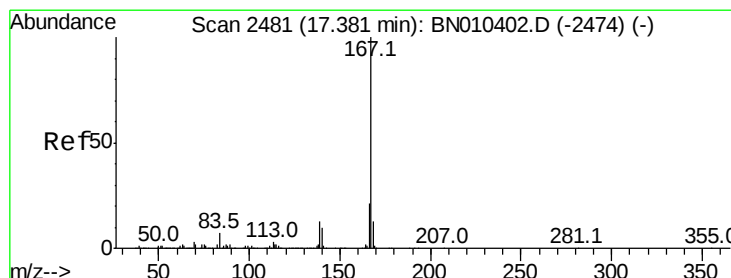
Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#75

Carbazole

Concen: 2.030 ng/ul

RT: 17.38 min Scan# 2481

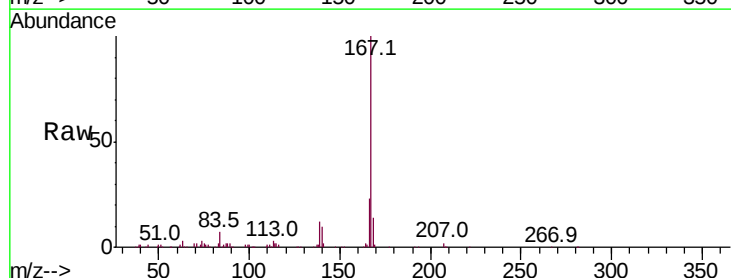
Delta R.T. -0.00 min

Lab File: BN010405.D

Acq: 03 Apr 2020 10:40

Tgt Ion:167 Resp: 233050

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.6  | 17.3  | 25.9  |
| 139 | 11.9  | 10.0  | 15.0  |

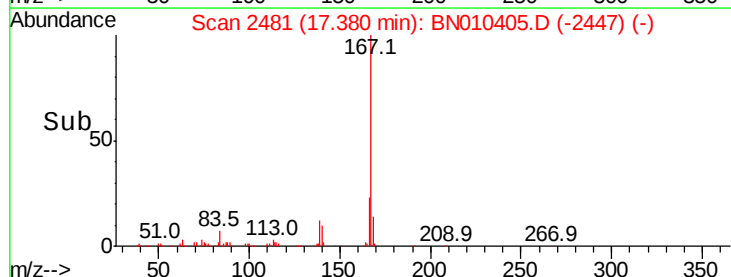
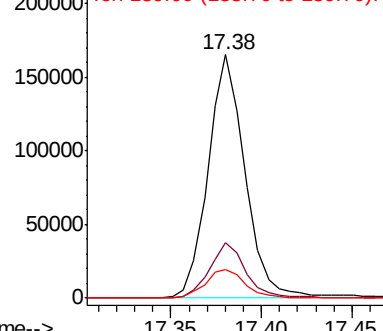


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->