

Data File : BN004449.D  
Acq On : 18 Feb 2019 18:50  
Operator : JU/SJ  
Sample : K1491-08  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
CB578

Quant Time: Feb 19 06:20:52 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Feb 14 07:13:45 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 22317    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 114379   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.38 | 164  | 87088    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.13 | 188  | 235763   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.33 | 240  | 322419   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.60 | 264  | 388532   | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0      | 0.00  | ng/uL |       |
| 5) Phenol-d5                   | 0.00  | 99  | 0      | 0.00  | ng/ul |       |
| 7) Bis-(2-Chloroethyl)ether-d  | 0.00  | 67  | 0      | 0.00  | ng/ul |       |
| 9) 2-Chlorophenol-d4           | 0.00  | 132 | 0      | 0.00  | ng/ul |       |
| 13) 4-Methylphenol-d8          | 0.00  | 113 | 0      | 0.00  | ng/ul |       |
| 19) Nitrobenzene-d5            | 0.00  | 128 | 0      | 0.00  | ng/ul |       |
| 22) 2-Nitrophenol-d4           | 0.00  | 143 | 0      | 0.00  | ng/ul |       |
| 26) 2,4-Dichlorophenol-d3      | 0.00  | 165 | 0      | 0.00  | ng/ul |       |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0      | 0.00  | ng/ul |       |
| 44) Dimethylphthalate-d6       | 0.00  | 166 | 0      | 0.00  | ng/ul |       |
| 47) Acenaphthylene-d8          | 0.00  | 160 | 0      | 0.00  | ng/ul |       |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0      | 0.00  | ng/ul |       |
| 58) Fluorene-d10               | 15.37 | 176 | 426    | 0.07  | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0      | 0.00  | ng/ul |       |
| 71) Anthracene-d10             | 17.13 | 188 | 235763 | 20.87 | ng/ul | -0.11 |
| 79) Pyrene-d10                 | 0.00  | 212 | 0      | 0.00  | ng/ul |       |
| 90) Benzo(a)pyrene-d12         | 23.60 | 264 | 386470 | 18.95 | ng/ul | 0.14  |

Target Compounds

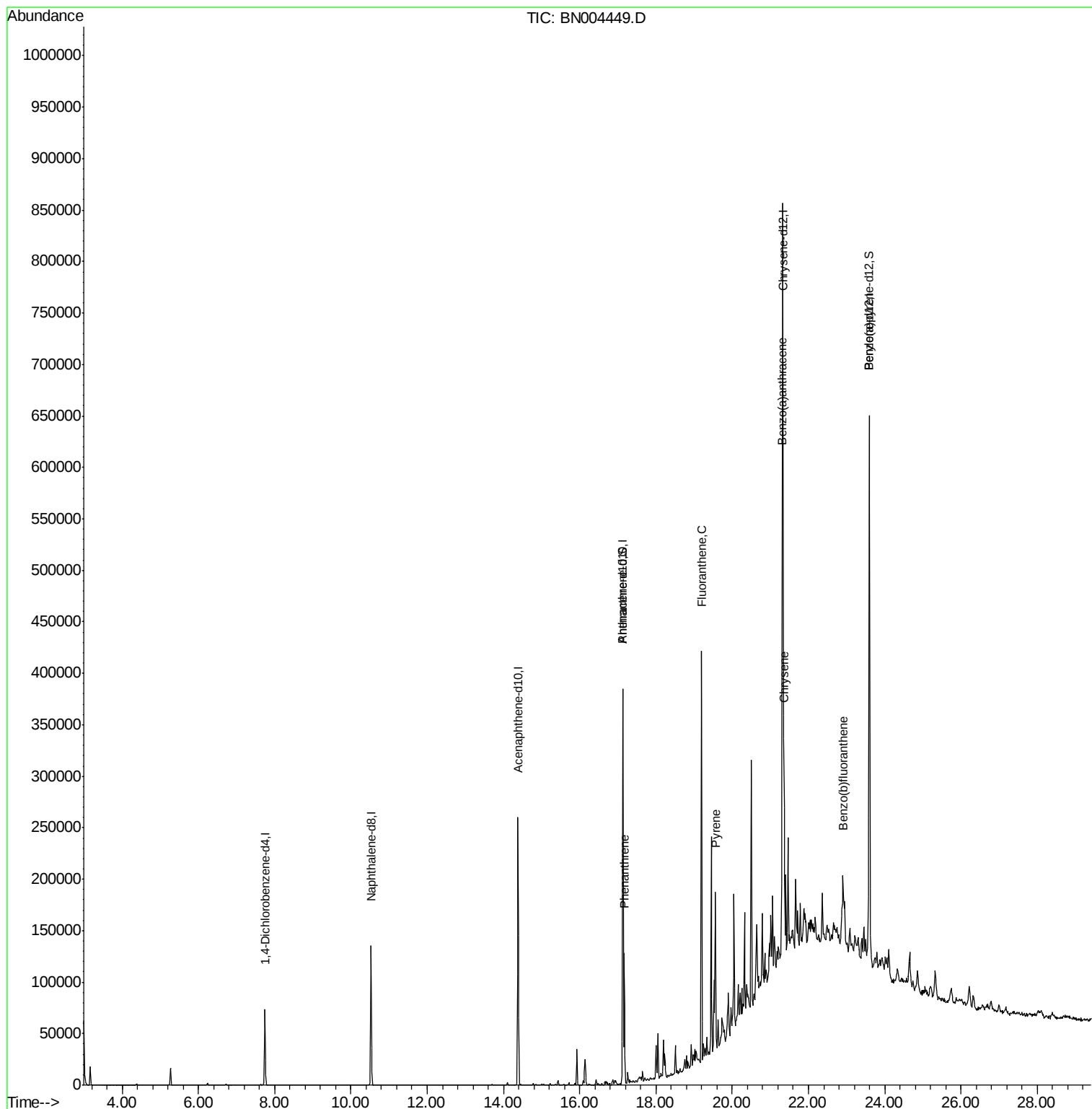
|                          |       |     |        |        | Qvalue |     |
|--------------------------|-------|-----|--------|--------|--------|-----|
| 70) Phenanthrene         | 17.17 | 178 | 78242  | 5.981  | ng/ul  | 100 |
| 77) Fluoranthene         | 19.19 | 202 | 230720 | 14.327 | ng/ul  | 98  |
| 80) Pyrene               | 19.56 | 202 | 89225  | 5.004  | ng/ul  | 99  |
| 83) Benzo(a)anthracene   | 21.31 | 228 | 94270  | 4.744  | ng/ul  | 99  |
| 85) Chrysene             | 21.36 | 228 | 97273  | 5.157  | ng/ul  | 99  |
| 88) Benzo(b)fluoranthene | 22.91 | 252 | 54632  | 2.374  | ng/ul# | 90  |

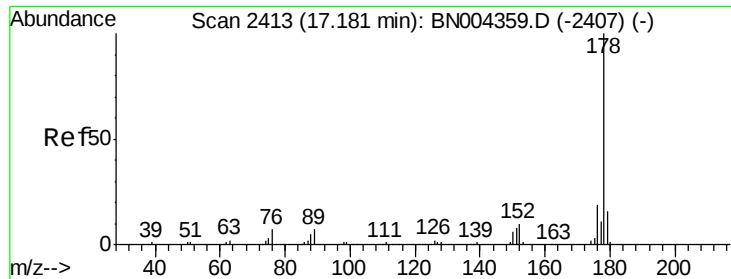
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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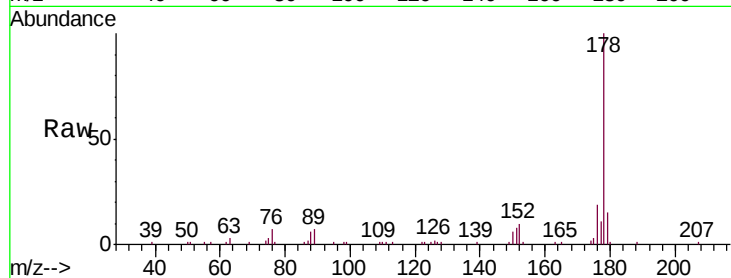




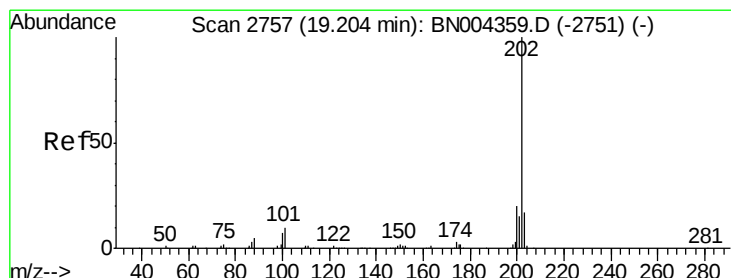
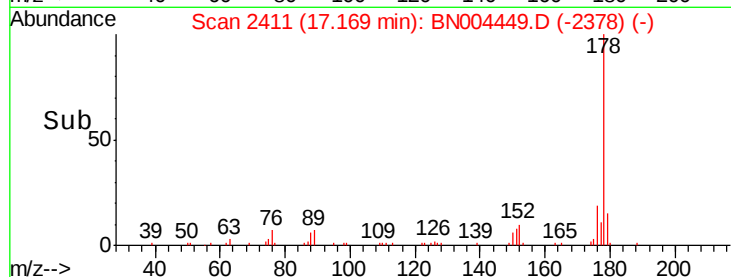
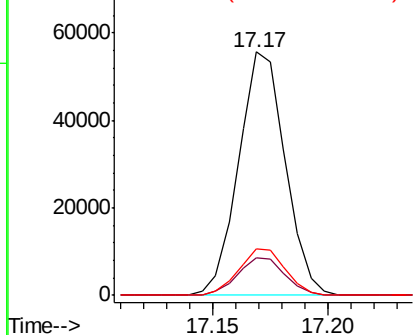
#70  
Phenanthrene  
Concen: 5.981 ng/ul  
RT: 17.17 min Scan# 2411  
Delta R.T. -0.01 min  
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Tgt Ion:178 Resp: 78242  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.3 18.5  
176 19.3 15.4 23.0

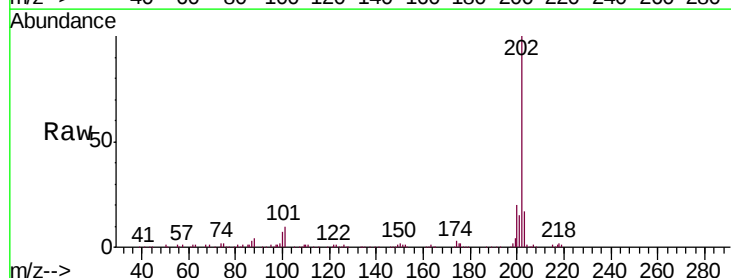


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E

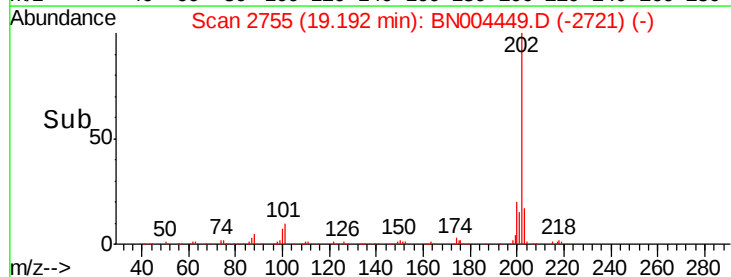
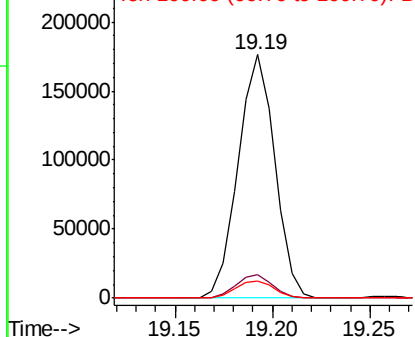


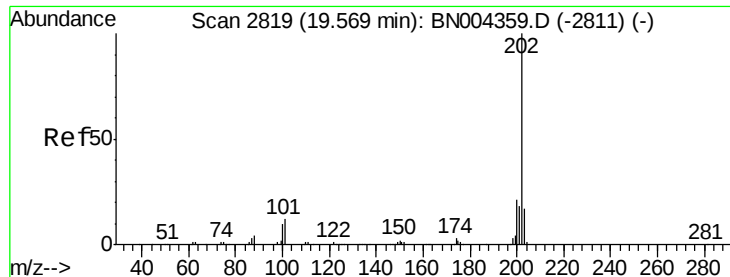
#77  
Fluoranthene  
Concen: 14.327 ng/ul  
RT: 19.19 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: BN004449.D  
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Tgt Ion:202 Resp: 230720  
Ion Ratio Lower Upper  
202 100  
101 9.7 8.2 12.4  
100 7.1 6.6 9.8



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

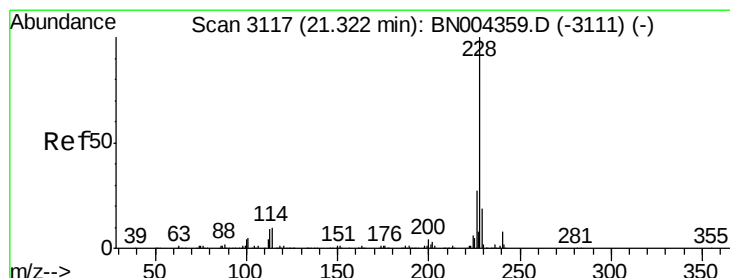
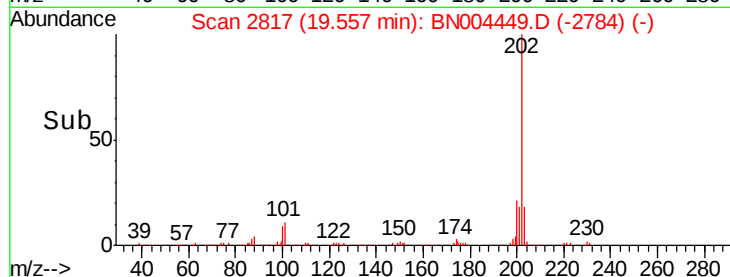
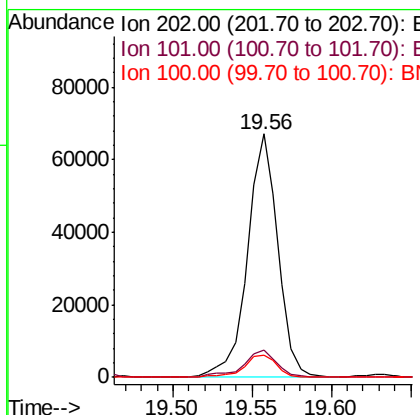
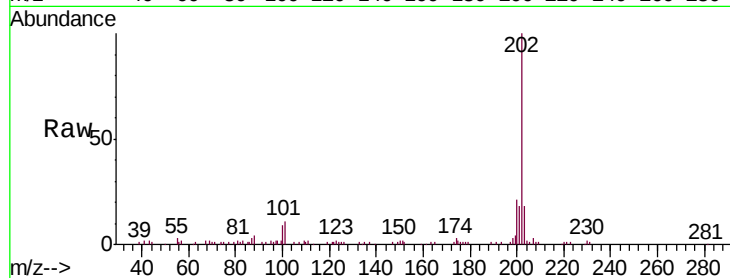




#80  
 Pyrene  
 Concen: 5.004 ng/ul  
 RT: 19.56 min Scan# 2817  
 Delta R.T. -0.01 min  
 Lab File: BN004449.D  
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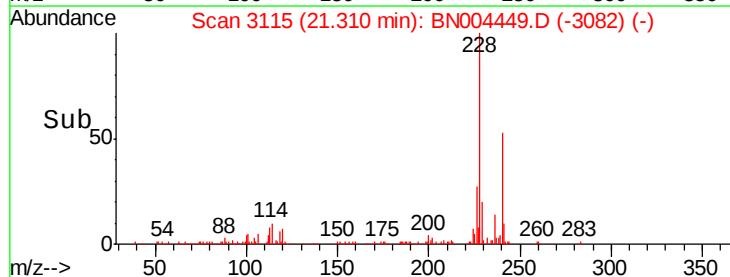
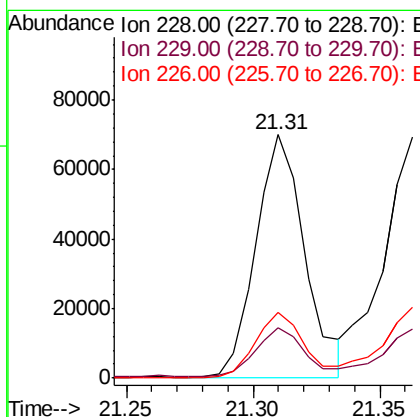
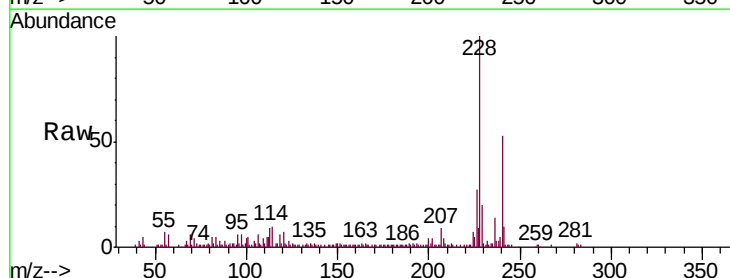
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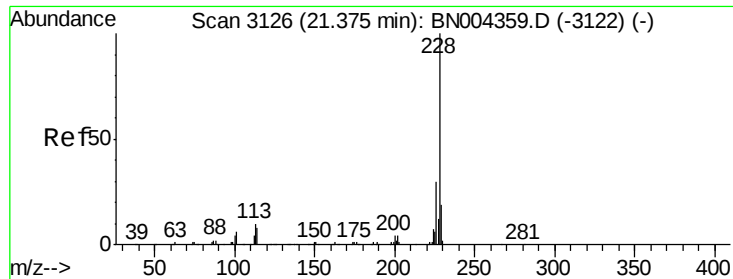
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.1  | 9.2   | 13.8  |
| 100     | 9.2   | 7.5   | 11.3  |



#83  
 Benzo(a)anthracene  
 Concen: 4.744 ng/ul  
 RT: 21.31 min Scan# 3115  
 Delta R.T. -0.01 min  
 Lab File: BN004449.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.5  | 15.4  | 23.2  |
| 226     | 27.1  | 21.4  | 32.2  |

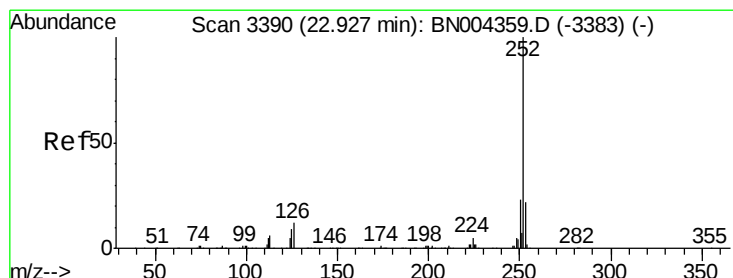
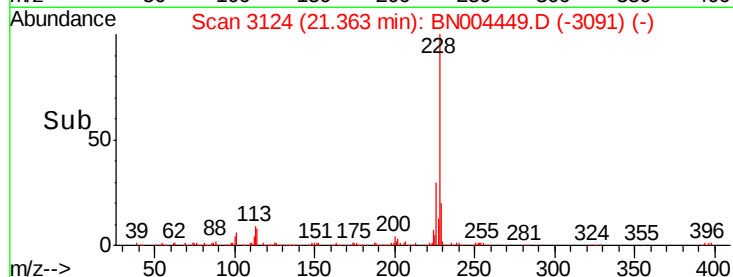
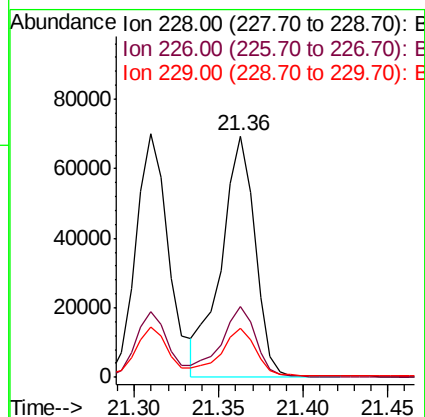
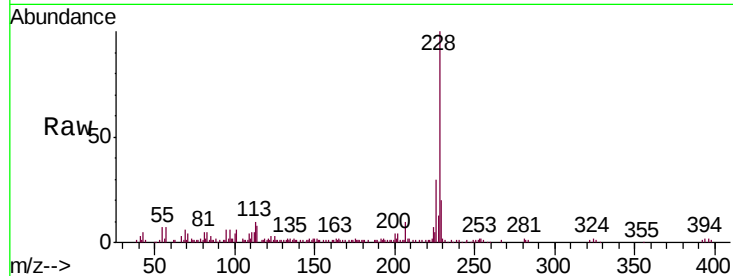




#85  
Chrysene  
Concen: 5.157 ng/ul  
RT: 21.36 min Scan# 3124  
Delta R.T. -0.01 min  
Lab File: BN004449.D  
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Instrument :  
BNA\_N  
ClientSampleId :  
CB578

Tgt Ion:228 Resp: 97273  
Ion Ratio Lower Upper  
228 100  
226 29.6 24.0 36.0  
229 20.5 15.7 23.5



#88  
Benzo(b)fluoranthene  
Concen: 2.374 ng/ul  
RT: 22.91 min Scan# 3387  
Delta R.T. 0.00 min  
Lab File: BN004449.D  
Acq: 18 Feb 2019 18:50

Tgt Ion:252 Resp: 54632  
Ion Ratio Lower Upper  
252 100  
253 25.5 17.7 26.5  
125 15.6 7.4 11.2#

