

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\  
 Data File : BN000390.D  
 Acq On : 15 Mar 2018 00:17  
 Operator : JU/SJ  
 Sample : J1866-03  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Mar 15 07:08:23 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 15 07:02:49 2018  
 Response via : Initial Calibration

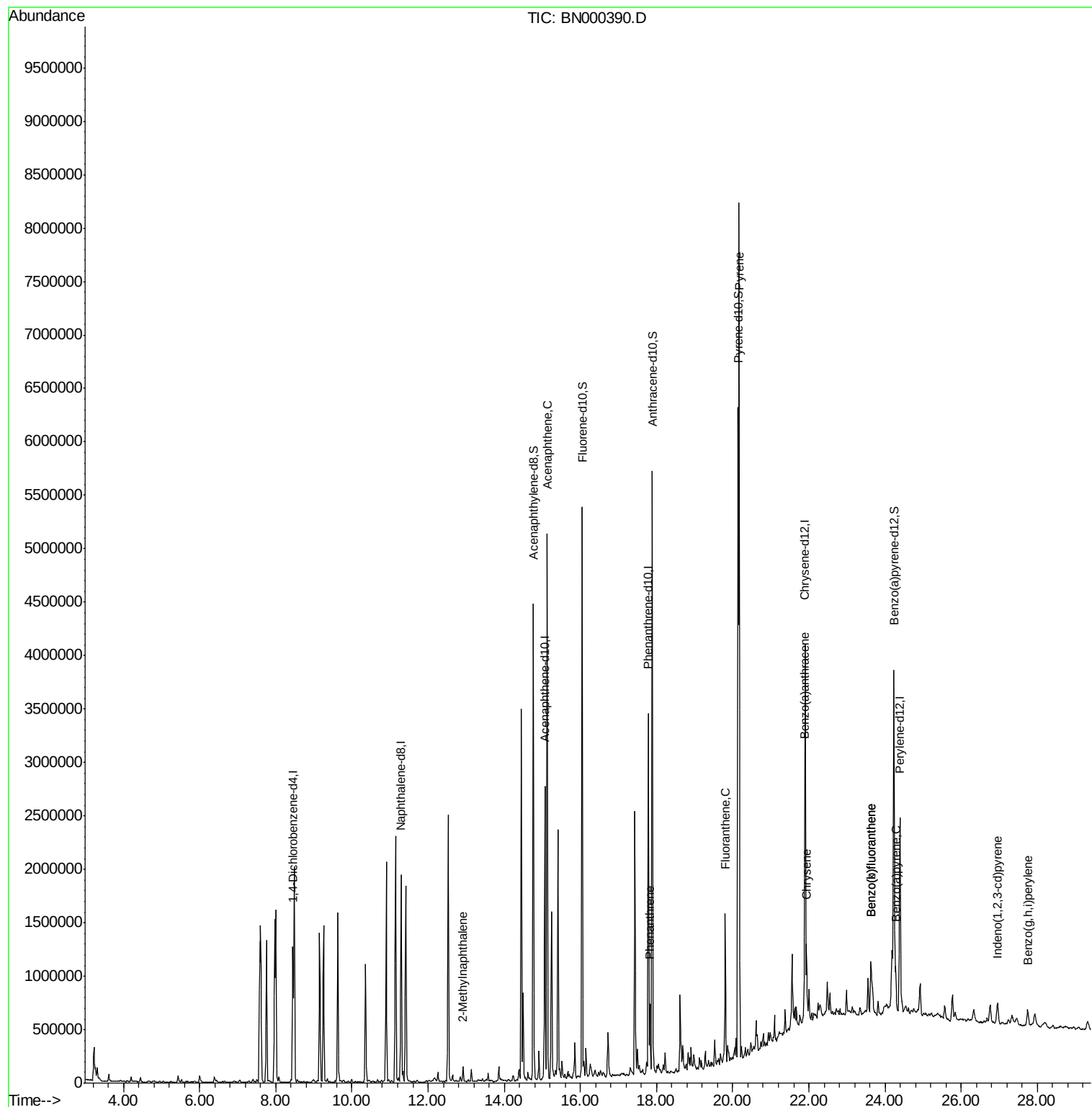
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.45  | 152  | 341887   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.29 | 136  | 1619073  | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.06 | 164  | 894659   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.79 | 188  | 1857127  | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.90 | 240  | 1490457  | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 24.39 | 264  | 1340315  | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 14.76 | 160  | 3032708  | 34.15  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 16.04 | 176  | 1967909  | 32.73  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.89 | 188  | 2983334  | 34.38  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 20.14 | 212  | 2955179  | 40.53  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.23 | 264  | 2119029  | 34.62  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 4) 2-Methylnaphthalene      | 12.92 | 142  | 63149    | 1.050  | ng/ul  | 95       |
| 9) Acenaphthene             | 15.13 | 153  | 1968243  | 31.692 | ng/ul  | 95       |
| 13) Phenanthrene            | 17.83 | 178  | 351398   | 3.299  | ng/ul  | 100      |
| 16) Fluoranthene            | 19.80 | 202  | 753928   | 6.552  | ng/ul# | 92       |
| 19) Pyrene                  | 20.17 | 202  | 4247922  | 45.142 | ng/ul# | 87       |
| 20) Benzo(a)anthracene      | 21.89 | 228  | 344922   | 3.723  | ng/ul  | 99       |
| 21) Chrysene                | 21.94 | 228  | 367933   | 4.184  | ng/ul  | 96       |
| 23) Benzo(b)fluoranthene    | 23.63 | 252  | 440448   | 5.511  | ng/ul# | 95       |
| 24) Benzo(k)fluoranthene    | 23.63 | 252  | 551513   | 7.372  | ng/ul# | 95       |
| 26) Benzo(a)pyrene          | 24.28 | 252  | 269710   | 3.546  | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.96 | 276  | 175126   | 2.135  | ng/ul# | 83       |
| 29) Benzo(g,h,i)perylene    | 27.74 | 276  | 186878   | 2.729  | ng/ul# | 90       |

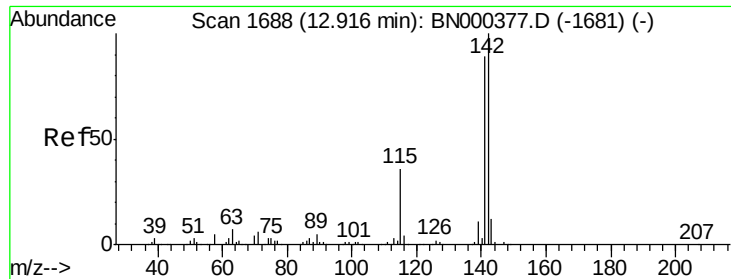
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M  
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QLast Update : Thu Mar 15 07:02:49 2018  
Response via : Initial Calibration





#4

2-Methylnaphthalene

Concen: 1.050 ng/ul

RT: 12.92 min Scan# 1688

Delta R.T. -0.00 min

Lab File: BN000390.D

Acq: 15 Mar 2018 00:17

Instrument :

BNA\_N

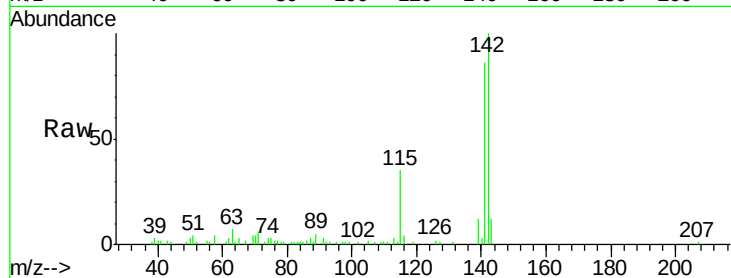
ClientSampled :

Tot Ion:142 Resp: 63149

Ion Ratio Lower Upper

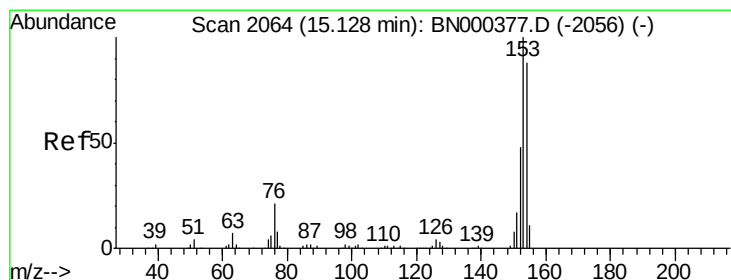
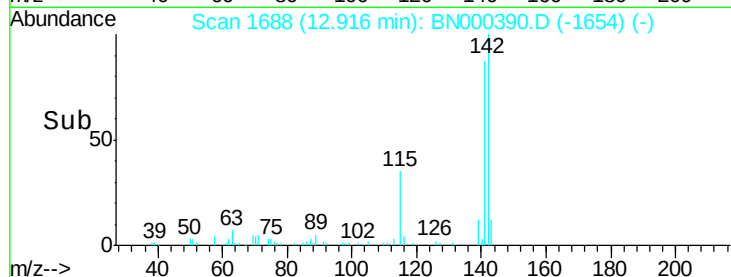
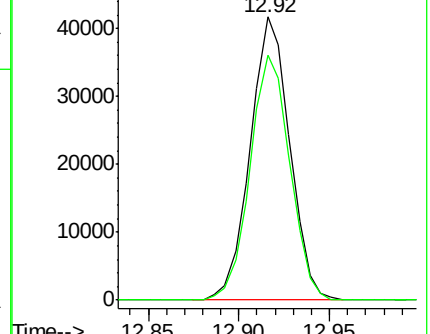
142 100

141 86.4 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthene

Concen: 31.692 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.00 min

Lab File: BN000390.D

Acq: 15 Mar 2018 00:17

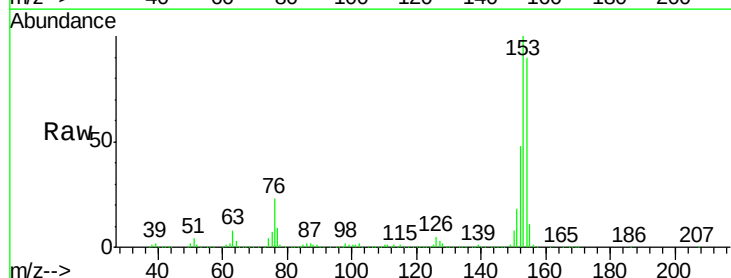
Tgt Ion:153 Resp: 1968243

Ion Ratio Lower Upper

153 100

152 48.2 39.0 58.6

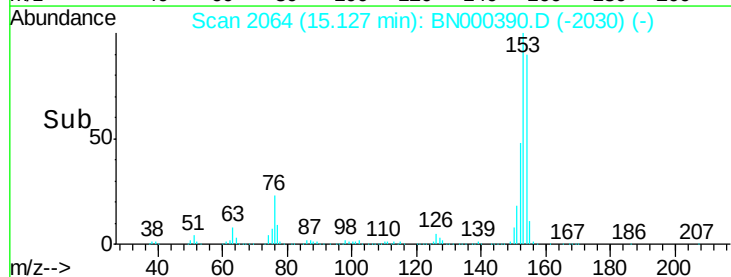
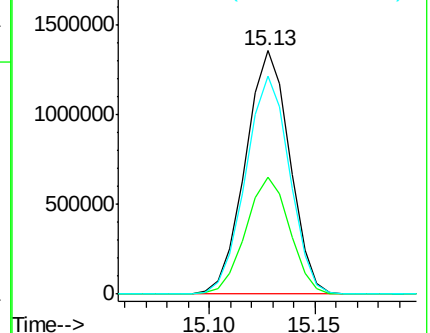
154 89.5 66.8 100.2

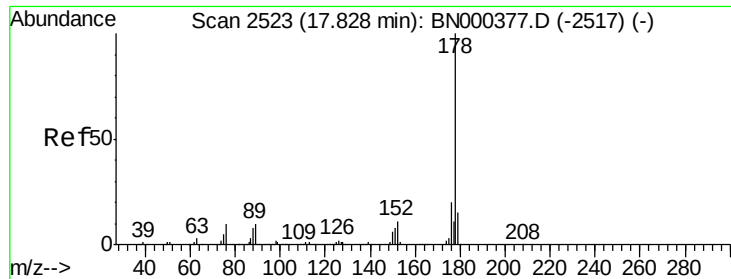


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

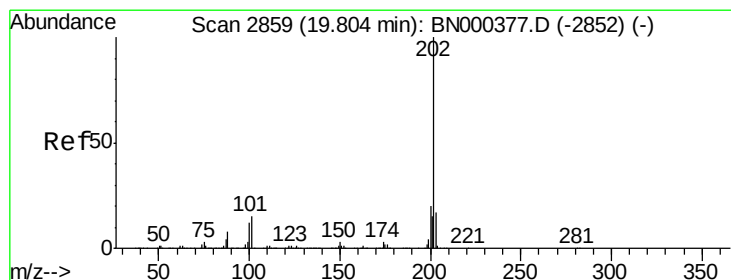
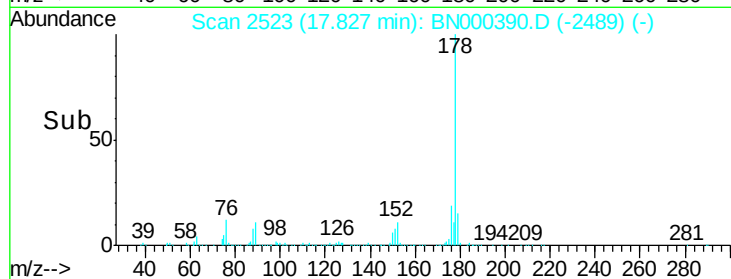
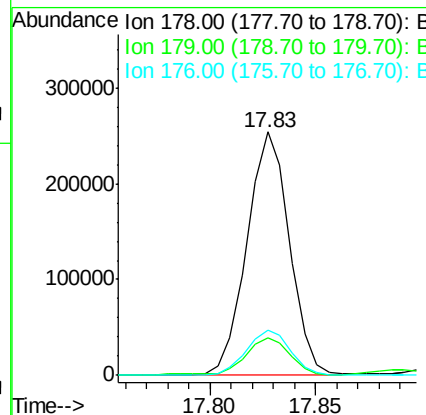
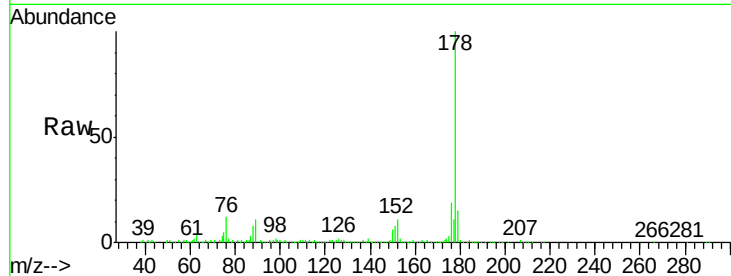




#13  
Phenanthrene  
Concen: 3.299 ng/ul  
RT: 17.83 min Scan# 2523  
Delta R.T. -0.00 min  
Lab File: BN000390.D  
Acq: 15 Mar 2018 00:17

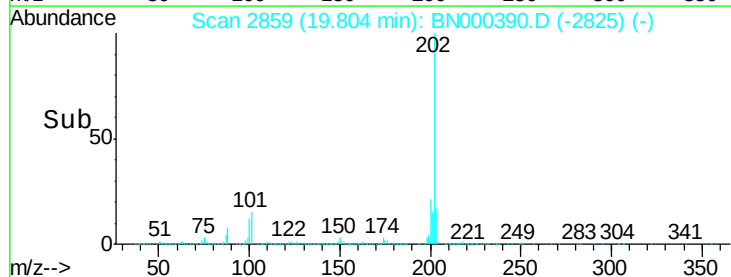
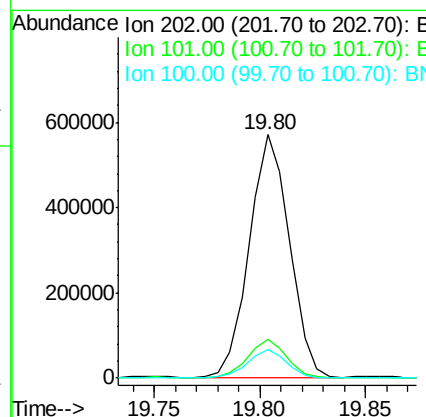
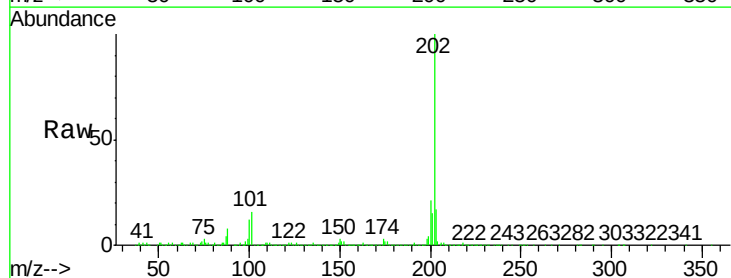
Instrument :  
BNA\_N  
ClientSampleId :

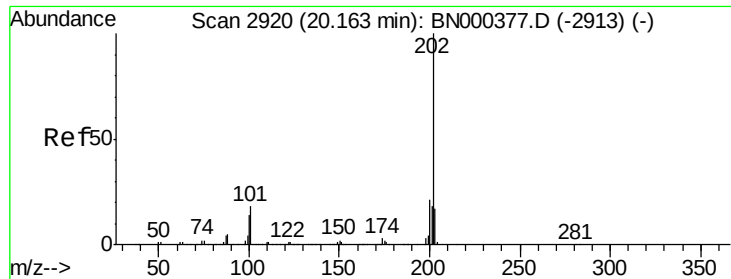
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.3  | 12.3  | 18.5  |
| 176     | 18.7  | 15.1  | 22.7  |



#16  
Fluoranthene  
Concen: 6.552 ng/ul  
RT: 19.80 min Scan# 2859  
Delta R.T. -0.00 min  
Lab File: BN000390.D  
Acq: 15 Mar 2018 00:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.7  | 9.9   | 14.9# |
| 100     | 11.6  | 7.4   | 11.0# |

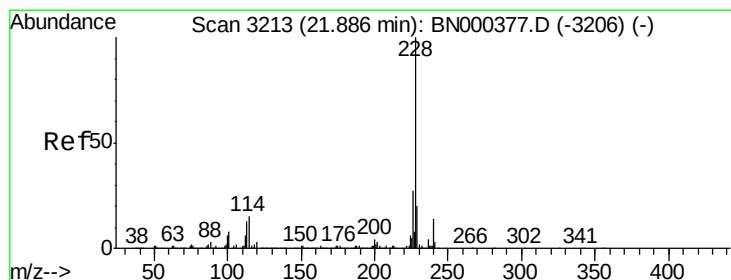
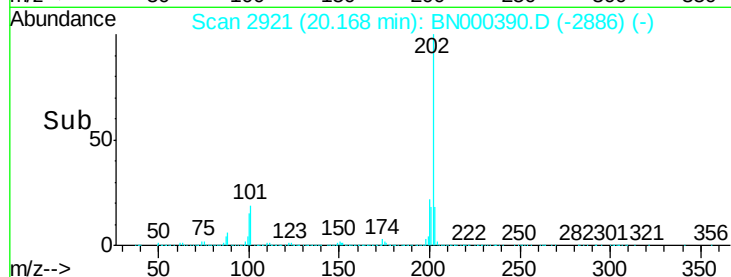
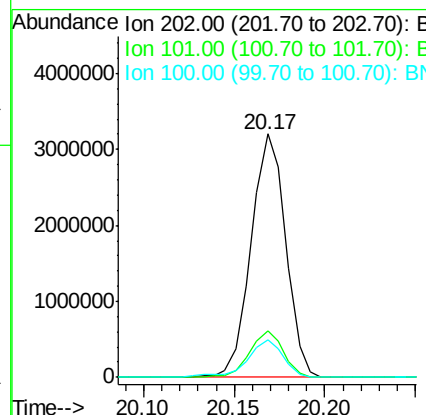
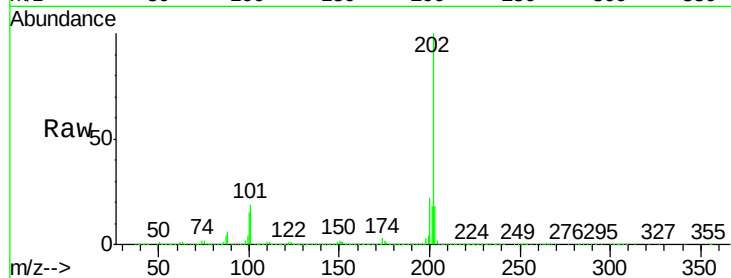




#19  
 Pvrene  
 Concen: 45.142 ng/ul  
 RT: 20.17 min Scan# 2921  
 Delta R.T. 0.01 min  
 Lab File: BN000390.D  
 Acq: 15 Mar 2018 00:17

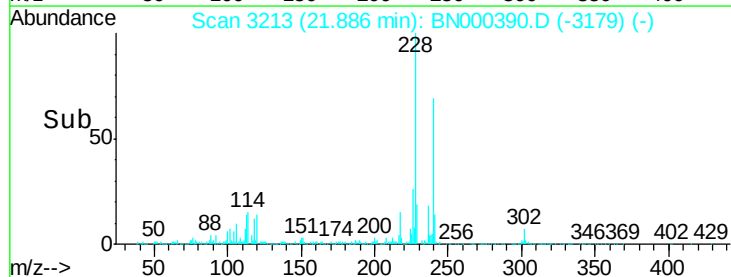
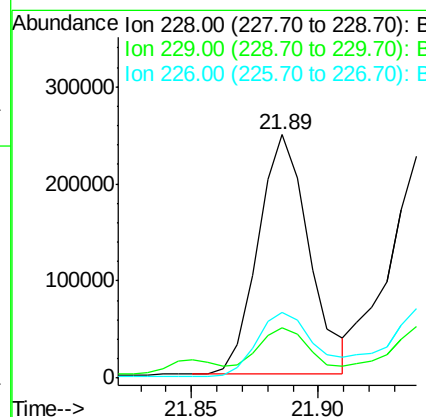
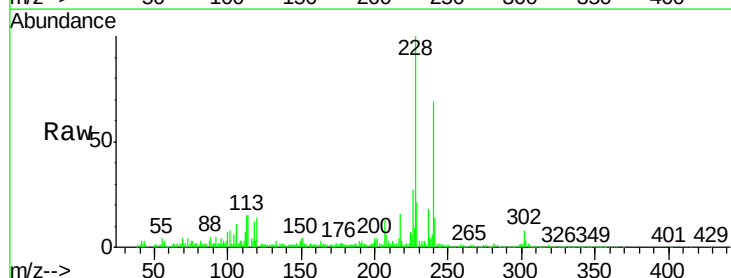
Instrument :  
 BNA\_N  
 ClientSampleId :

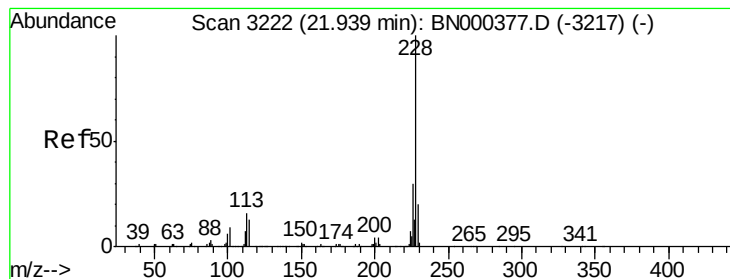
Tot Ion:202 Resp: 4247922  
 Ion Ratio Lower Upper  
 202 100  
 101 18.9 11.0 16.4#  
 100 15.3 8.1 12.1#



#20  
 Benzo(a)anthracene  
 Concen: 3.723 ng/ul  
 RT: 21.89 min Scan# 3213  
 Delta R.T. -0.00 min  
 Lab File: BN000390.D  
 Acq: 15 Mar 2018 00:17

Tgt Ion:228 Resp: 344922  
 Ion Ratio Lower Upper  
 228 100  
 229 20.8 15.7 23.5  
 226 26.8 21.1 31.7





#21

Chrysene

Concen: 4.184 ng/ul

RT: 21.94 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BN000390.D

Acq: 15 Mar 2018 00:17

Instrument :

BNA\_N

ClientSampleId :

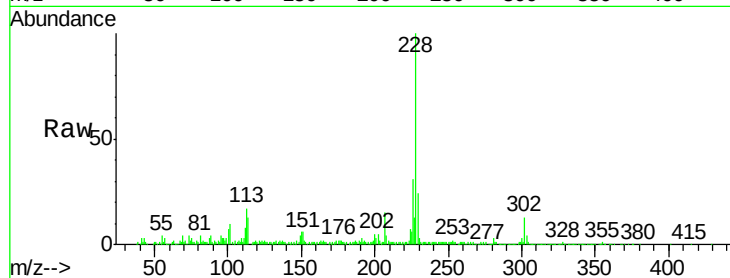
Tot Ion:228 Resp: 367933

Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

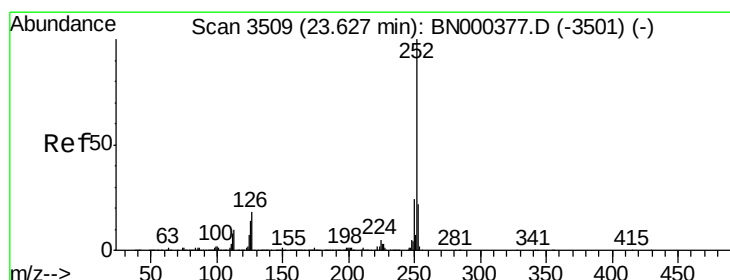
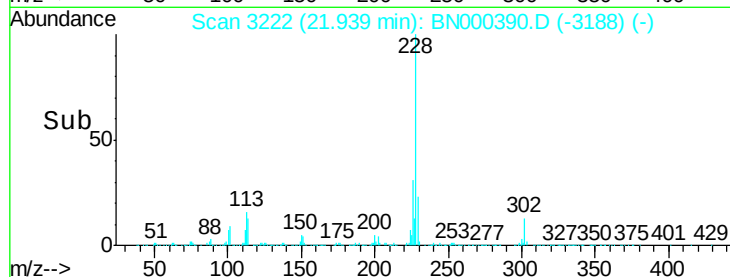
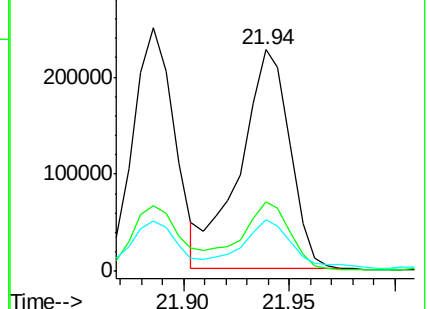
229 23.6 15.8 23.8



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



#23

Benzo(b)fluoranthene

Concen: 5.511 ng/ul

RT: 23.63 min Scan# 3510

Delta R.T. 0.01 min

Lab File: BN000390.D

Acq: 15 Mar 2018 00:17

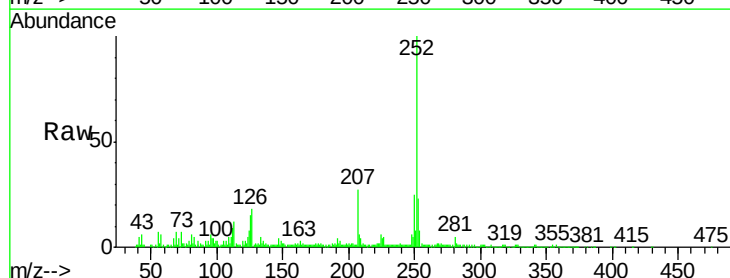
Tgt Ion:252 Resp: 440448

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

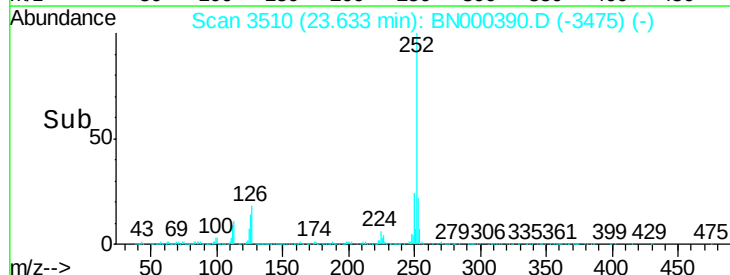
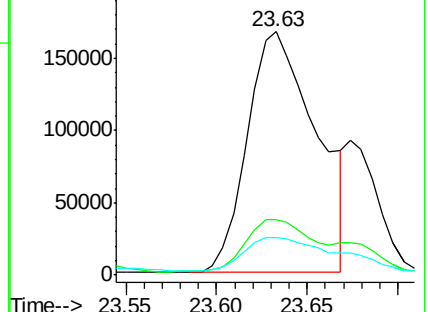
125 15.5 8.0 12.0#

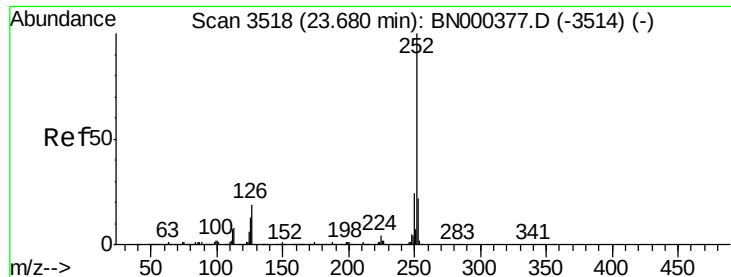


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 7.372 ng/ul

RT: 23.63 min Scan# 3510

Delta R.T. -0.05 min

Lab File: BN000390.D

Acq: 15 Mar 2018 00:17

Instrument :

BNA\_N

ClientSampleId :

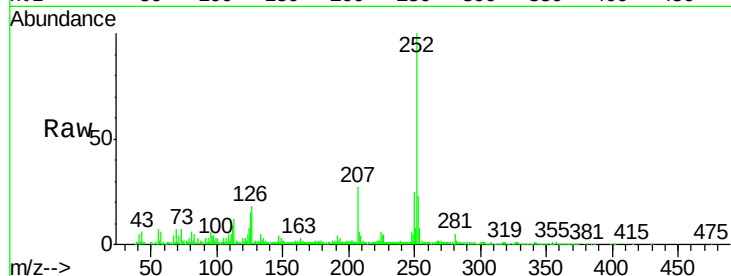
Tot Ion:252 Resp: 551513

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

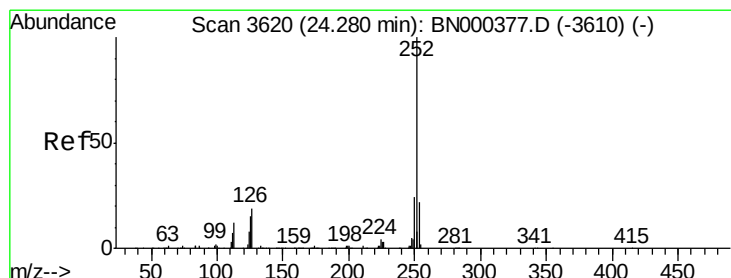
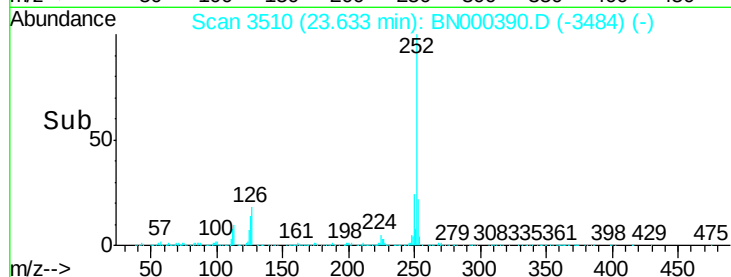
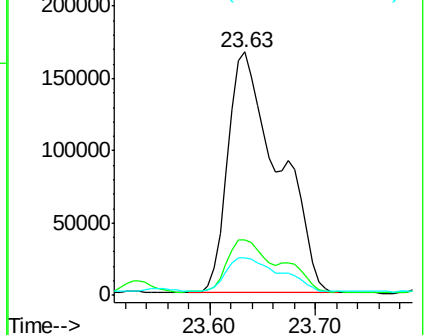
125 15.5 8.1 12.1#



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



#26

Benzo(a)pyrene

Concen: 3.546 ng/ul

RT: 24.28 min Scan# 3620

Delta R.T. -0.00 min

Lab File: BN000390.D

Acq: 15 Mar 2018 00:17

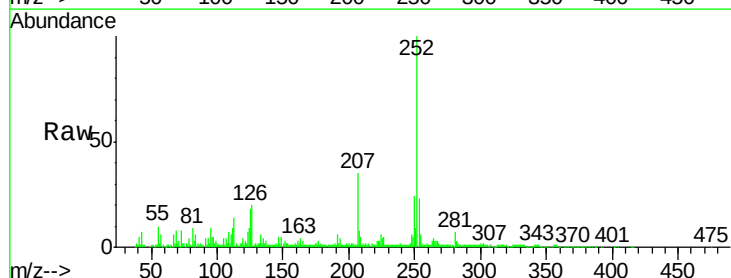
Tgt Ion:252 Resp: 269710

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

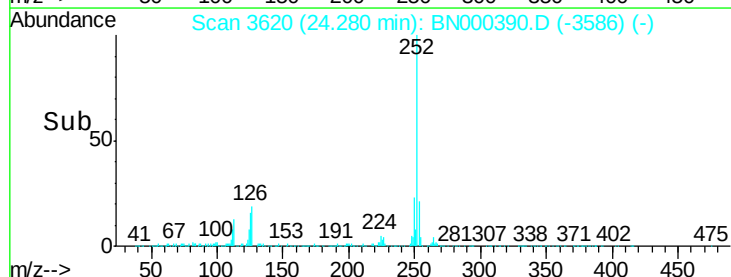
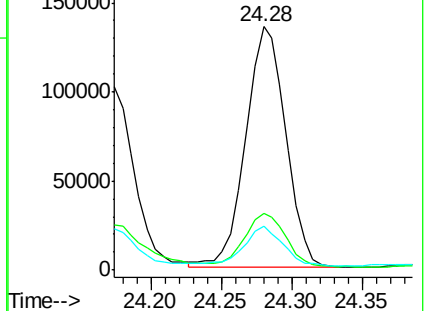
125 18.1 8.2 12.4#

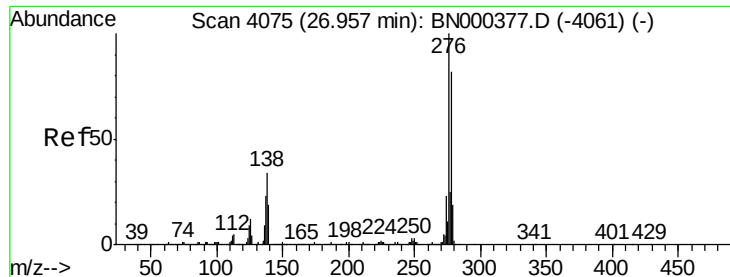


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



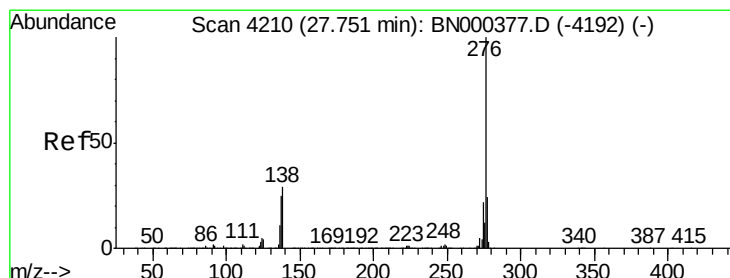
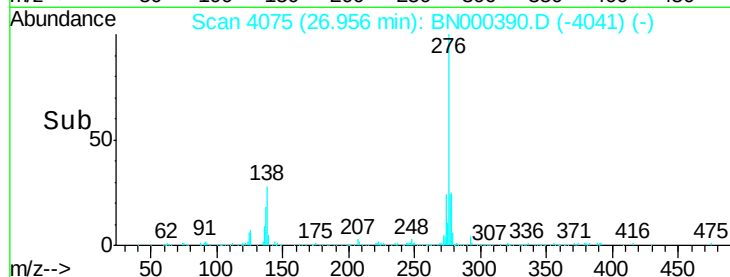
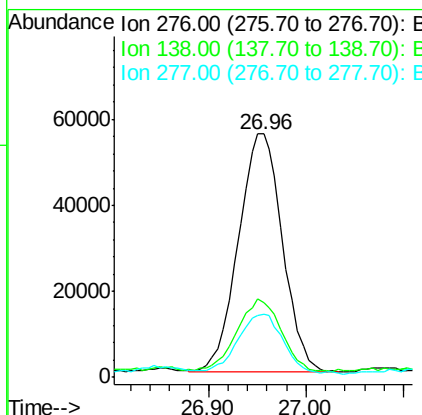
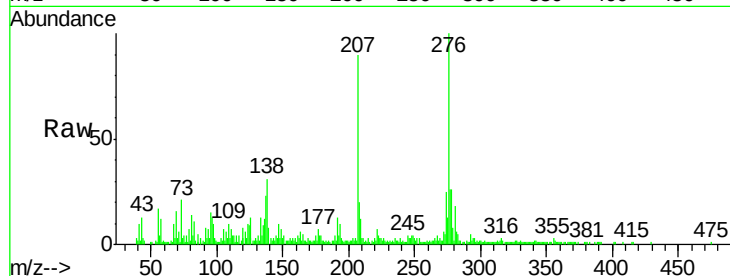


#27

Indeno(1,2,3-cd)pyrene  
Concen: 2.135 ng/ul  
RT: 26.96 min Scan# 4075  
Delta R.T. -0.00 min  
Lab File: BN000390.D  
Acq: 15 Mar 2018 00:17

Instrument :  
BNA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.6  | 14.4  | 21.6# |
| 277     | 26.0  | 18.0  | 27.0  |



#29

Benzo(g,h,i)perylene  
Concen: 2.729 ng/ul  
RT: 27.74 min Scan# 4209  
Delta R.T. -0.01 min  
Lab File: BN000390.D  
Acq: 15 Mar 2018 00:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.0  | 15.3  | 22.9# |
| 277     | 24.1  | 19.0  | 28.4  |

