

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060519\  
 Data File : BN006121.D  
 Acq On : 06 Jun 2019 04:23  
 Operator : JU/SJ  
 Sample : K3016-21  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jun 06 07:55:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 06 07:51:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 362686   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 1595447  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 908812   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.05 | 188  | 1862077  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 1648529  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.50 | 264  | 1803130  | 20.00 | ng/ul | 0.00     |

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| System Monitoring Compounds    |       |     |         |       |       |      |
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 26880   | 3.21  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 441015  | 15.22 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 309284  | 18.66 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 378601  | 16.26 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 290969  | 12.96 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 183157  | 16.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 193317  | 15.30 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 342814  | 15.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 273297  | 10.02 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.71 | 166 | 1105799 | 17.15 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.99 | 160 | 1318698 | 15.80 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.51 | 143 | 78021   | 6.85  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 902882  | 16.57 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 87918   | 8.44  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.15 | 188 | 1285483 | 16.18 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 1321170 | 16.58 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.36 | 264 | 1177942 | 14.67 | ng/ul | 0.00 |

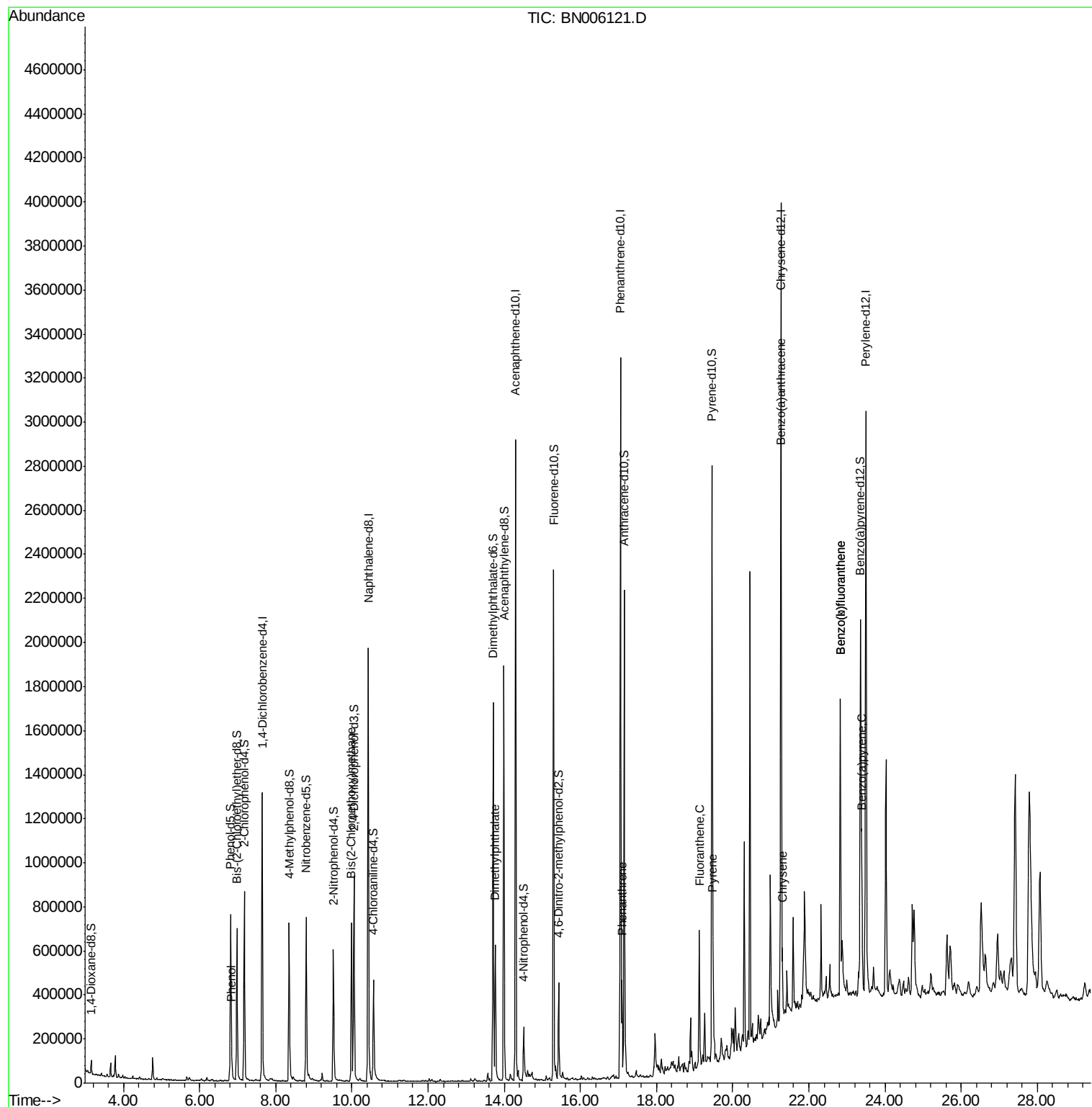
|                                |       |     |        |        |        |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds               |       |     |        | Ovalue |        |    |
| 6) Phenol                      | 6.85  | 94  | 39955  | 1.349  | ng/ul  | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.99  | 93  | 87389  | 2.735  | ng/ul# | 52 |
| 44) Dimethylphthalate          | 13.76 | 163 | 216671 | 3.388  | ng/ul  | 98 |
| 69) Phenanthrene               | 17.09 | 178 | 237973 | 2.606  | ng/ul  | 99 |
| 76) Fluoranthene               | 19.12 | 202 | 349079 | 3.411  | ng/ul  | 98 |
| 79) Pyrene                     | 19.49 | 202 | 292317 | 2.884  | ng/ul  | 95 |
| 82) Benzo(a)anthracene         | 21.25 | 228 | 172989 | 1.707  | ng/ul  | 98 |
| 84) Chrysene                   | 21.30 | 228 | 156558 | 1.612  | ng/ul  | 98 |
| 87) Benzo(b)fluoranthene       | 22.83 | 252 | 197207 | 2.052  | ng/ul# | 89 |
| 88) Benzo(k)fluoranthene       | 22.83 | 252 | 197207 | 2.096  | ng/ul# | 90 |
| 90) Benzo(a)pyrene             | 23.40 | 252 | 126614 | 1.363  | ng/ul# | 95 |

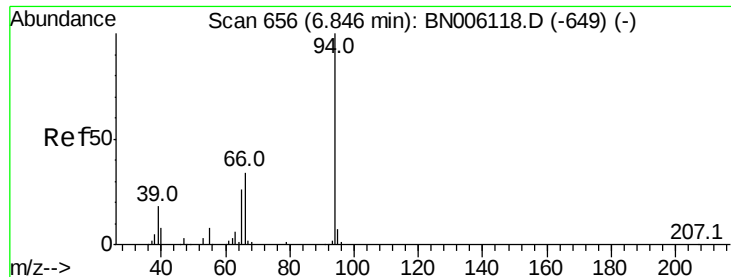
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 06 07:51:51 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 1.349 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BN006121.D

Acq: 06 Jun 2019 04:23

Instrument :

BNA\_N

ClientSampleId :

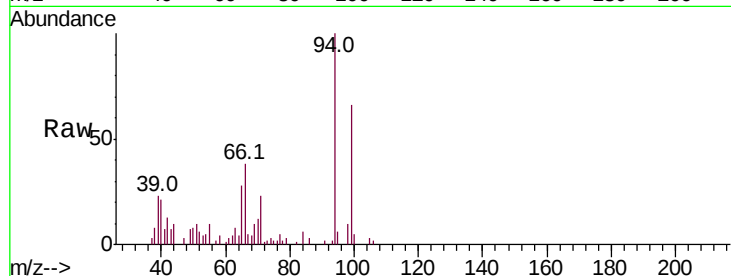
Tot Ion: 94 Resp: 39955

Ion Ratio Lower Upper

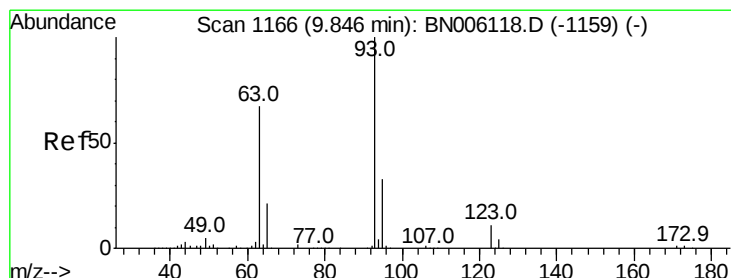
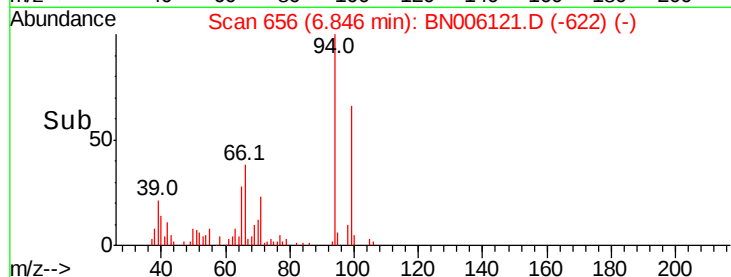
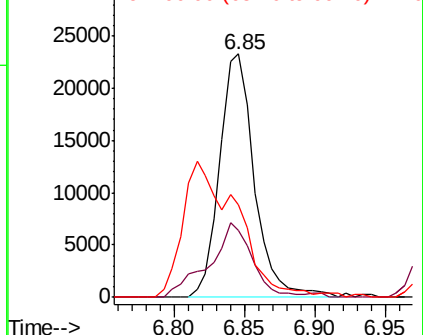
94 100

65 27.7 21.8 32.6

66 37.9 29.5 44.3



Abundance Ion 94.00 (93.70 to 94.70): BN0  
Ion 65.00 (64.70 to 65.70): BN0  
Ion 66.00 (65.70 to 66.70): BN0



#25

Bis(2-Chloroethoxy)methane

Concen: 2.735 ng/ul

RT: 9.99 min Scan# 1190

Delta R.T. 0.14 min

Lab File: BN006121.D

Acq: 06 Jun 2019 04:23

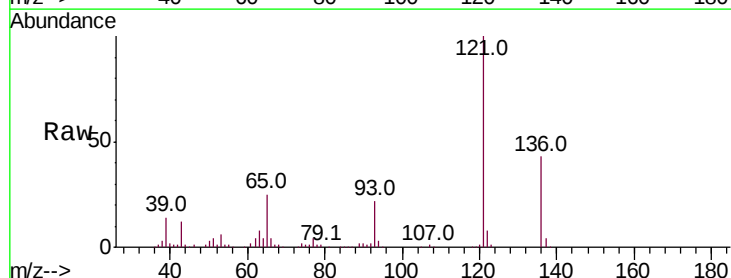
Tgt Ion: 93 Resp: 87389

Ion Ratio Lower Upper

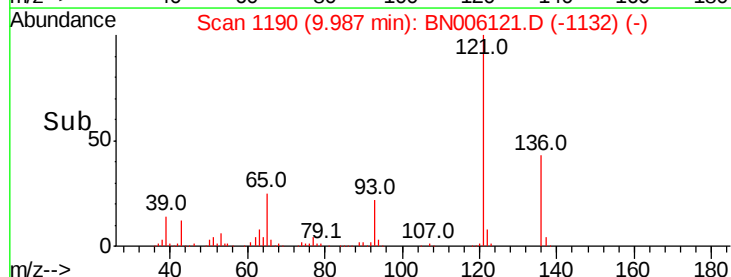
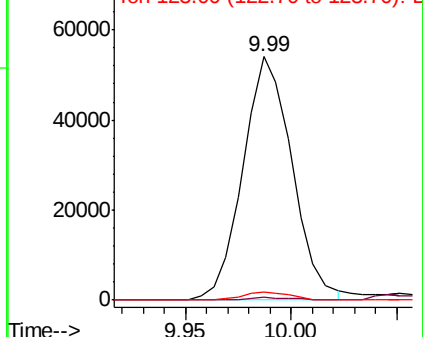
93 100

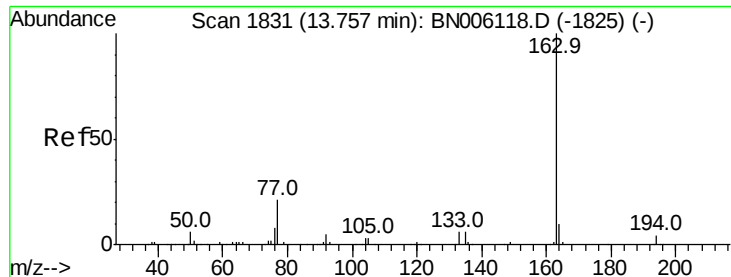
95 1.2 26.7 40.1#

123 3.2 8.6 13.0#



Abundance Ion 93.00 (92.70 to 93.70): BN0  
Ion 95.00 (94.70 to 95.70): BN0  
Ion 123.00 (122.70 to 123.70): E

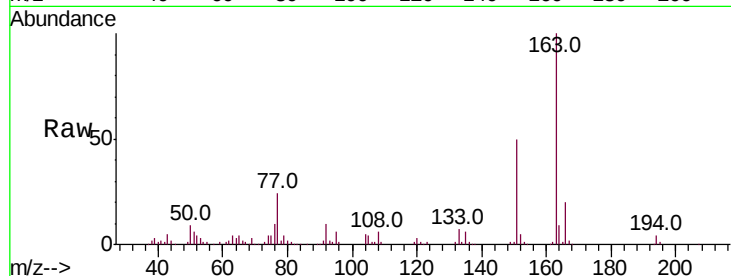




#44  
Dimethylphthalate  
Concen: 3.388 ng/ul  
RT: 13.76 min Scan# 1831  
Delta R.T. 0.00 min  
Lab File: BN006121.D  
Acq: 06 Jun 2019 04:23

Instrument :  
BNA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.4   | 5.2   |
| 164     | 9.4   | 8.2   | 12.2  |

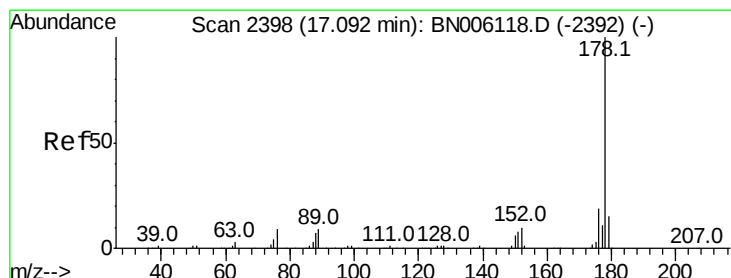
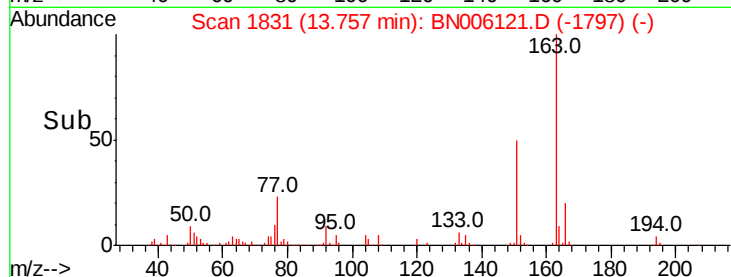
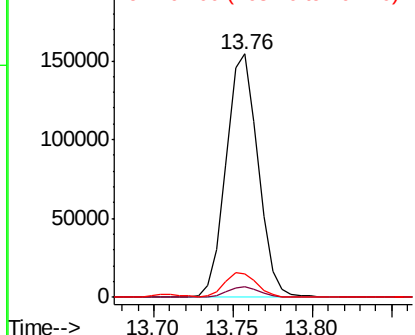


Abundance

Ion 163.00 (162.70 to 163.70): E

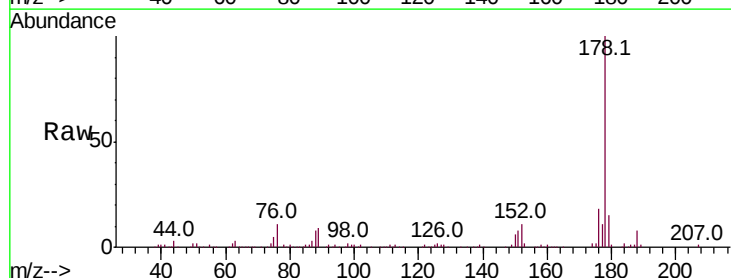
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#69  
Phenanthrene  
Concen: 2.606 ng/ul  
RT: 17.09 min Scan# 2398  
Delta R.T. 0.00 min  
Lab File: BN006121.D  
Acq: 06 Jun 2019 04:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 14.5  | 11.8  | 17.8  |
| 176     | 18.5  | 15.0  | 22.6  |

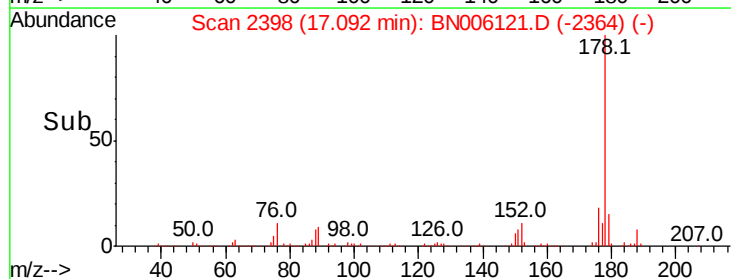
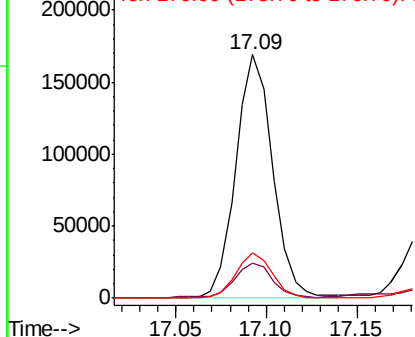


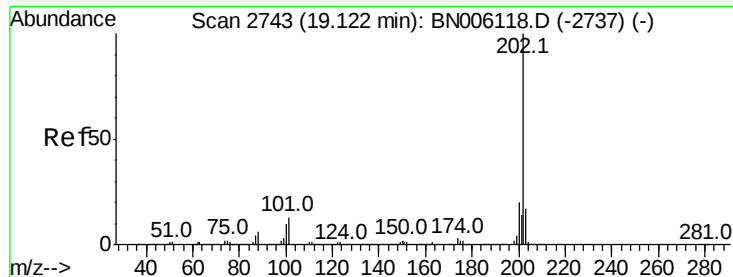
Abundance

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

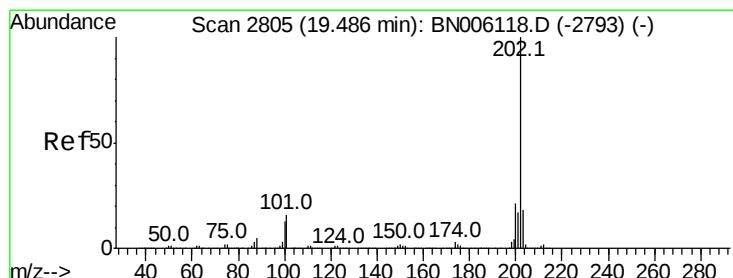
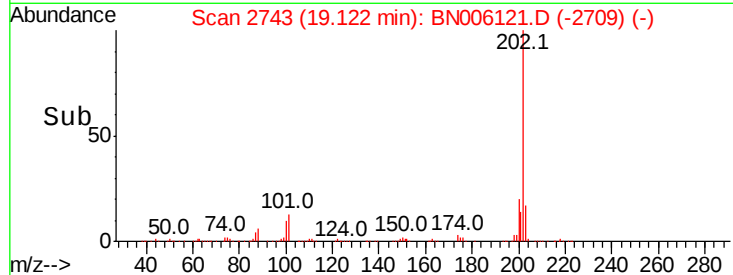
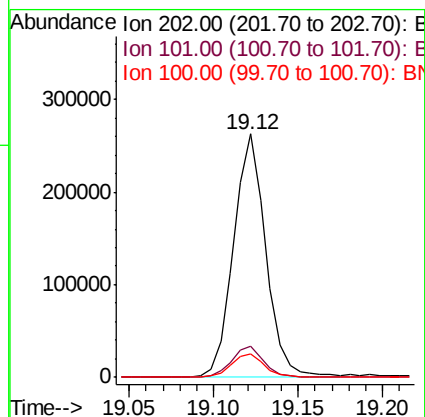
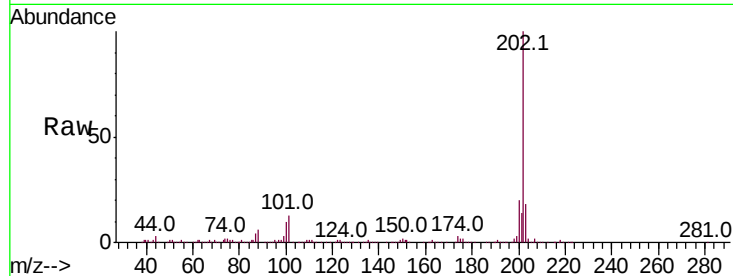




#76  
Fluoranthene  
Concen: 3.411 ng/ul  
RT: 19.12 min Scan# 2743  
Delta R.T. 0.00 min  
Lab File: BN006121.D  
Acq: 06 Jun 2019 04:23

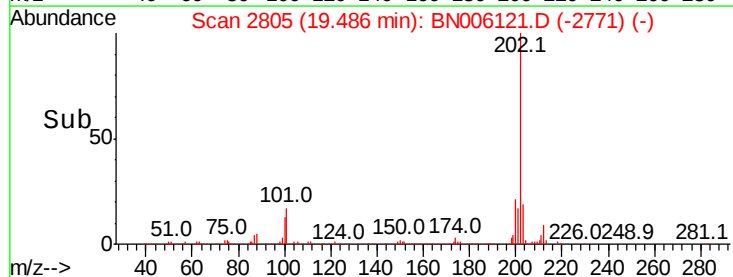
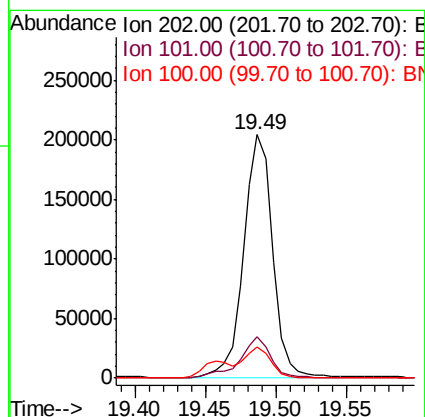
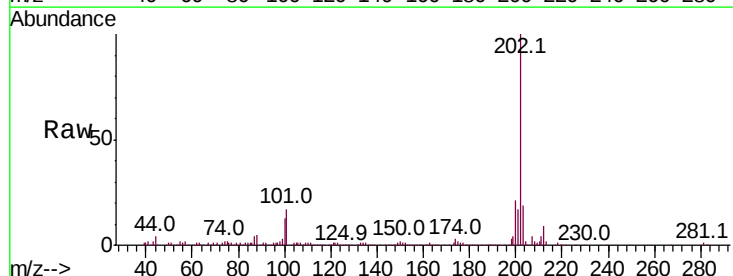
Instrument :  
BNA\_N  
ClientSampleId :

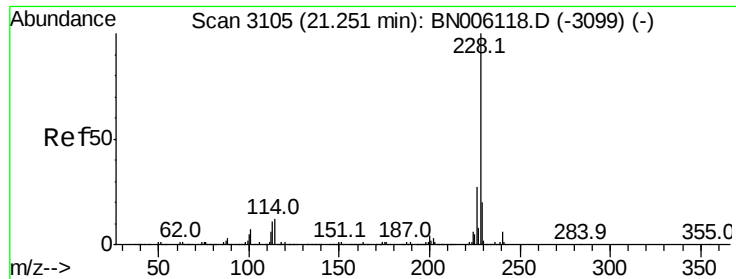
Tot Ion:202 Resp: 349079  
Ion Ratio Lower Upper  
202 100  
101 13.0 9.6 14.4  
100 9.6 7.1 10.7



#79  
Pyrene  
Concen: 2.884 ng/ul  
RT: 19.49 min Scan# 2805  
Delta R.T. 0.00 min  
Lab File: BN006121.D  
Acq: 06 Jun 2019 04:23

Tgt Ion:202 Resp: 292317  
Ion Ratio Lower Upper  
202 100  
101 16.8 11.5 17.3  
100 12.7 9.0 13.6

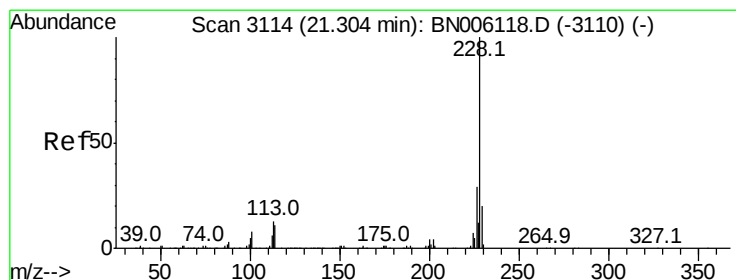
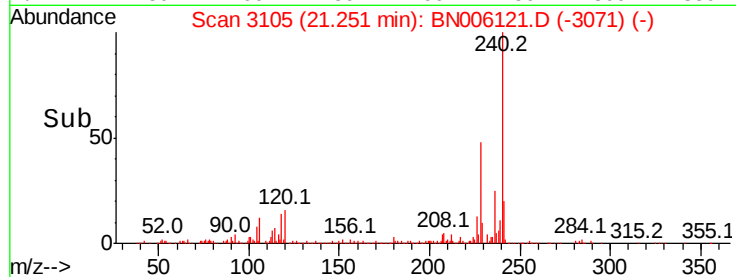
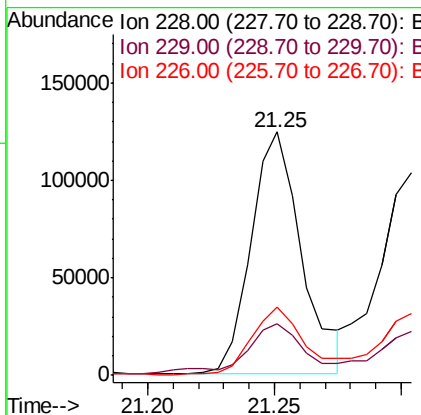
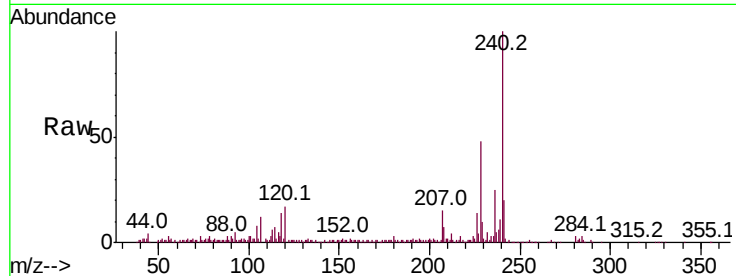




#82  
Benzo(a)anthracene  
Concen: 1.707 ng/ul  
RT: 21.25 min Scan# 3105  
Delta R.T. 0.00 min  
Lab File: BN006121.D  
Acq: 06 Jun 2019 04:23

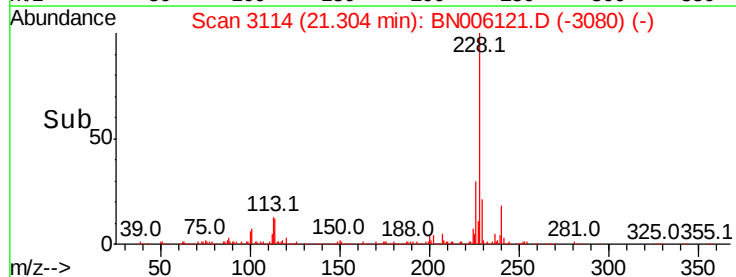
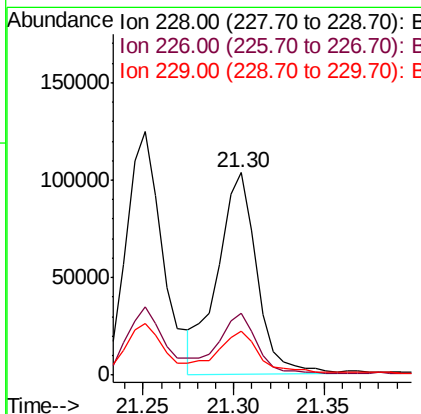
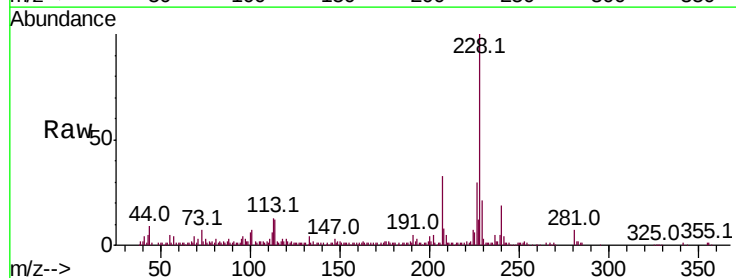
Instrument :  
BNA\_N  
ClientSampleId :

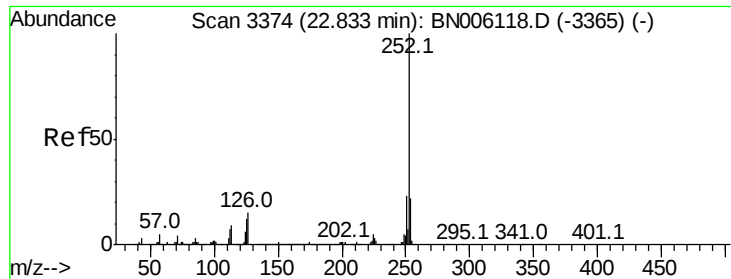
Tot Ion:228 Resp: 172989  
Ion Ratio Lower Upper  
228 100  
229 21.5 16.1 24.1  
226 28.2 21.9 32.9



#84  
Chrysene  
Concen: 1.612 ng/ul  
RT: 21.30 min Scan# 3114  
Delta R.T. 0.00 min  
Lab File: BN006121.D  
Acq: 06 Jun 2019 04:23

Tgt Ion:228 Resp: 156558  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.1 36.1  
229 21.4 16.0 24.0





#87

Benzo(b)fluoranthene

Concen: 2.052 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BN006121.D

Acq: 06 Jun 2019 04:23

Instrument :

BNA\_N

ClientSampled :

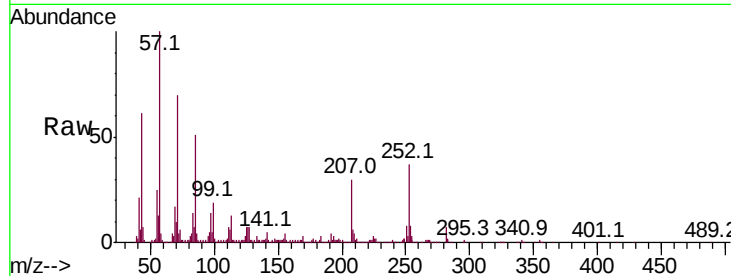
Tot Ion:252 Resp: 197207

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

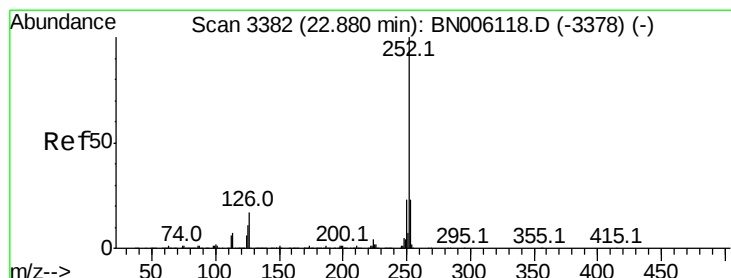
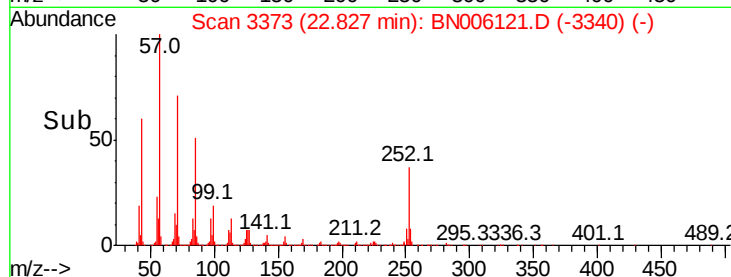
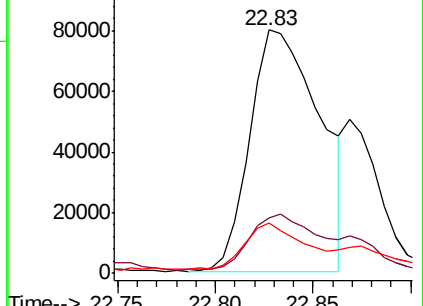
125 20.4 8.2 12.2#



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



#88

Benzo(k)fluoranthene

Concen: 2.096 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. -0.05 min

Lab File: BN006121.D

Acq: 06 Jun 2019 04:23

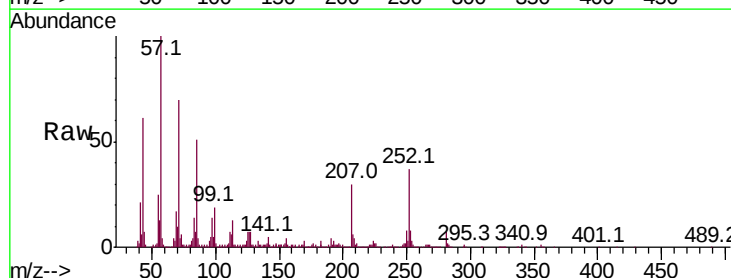
Tgt Ion:252 Resp: 197207

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

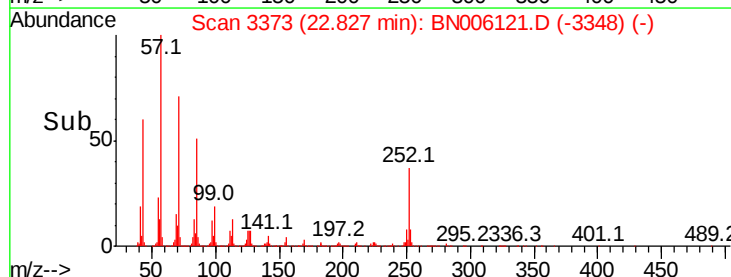
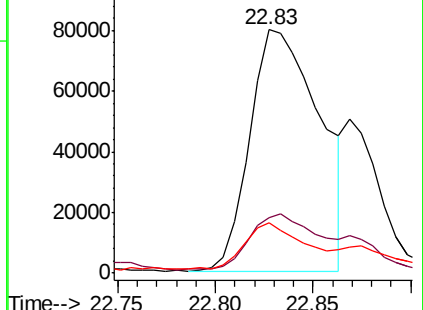
125 20.4 8.0 12.0#

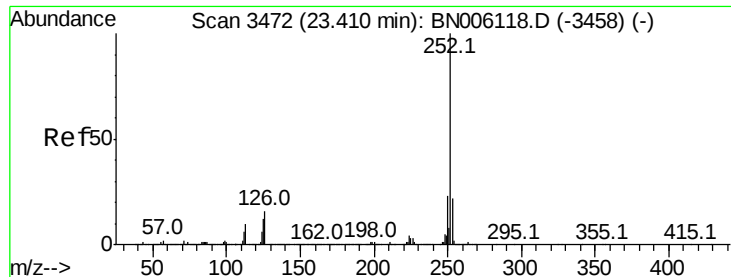


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 1.363 ng/ul

RT: 23.40 min Scan# 3470

Delta R.T. -0.01 min

Lab File: BN006121.D

Acq: 06 Jun 2019 04:23

Instrument :

BNA\_N

ClientSampleId :

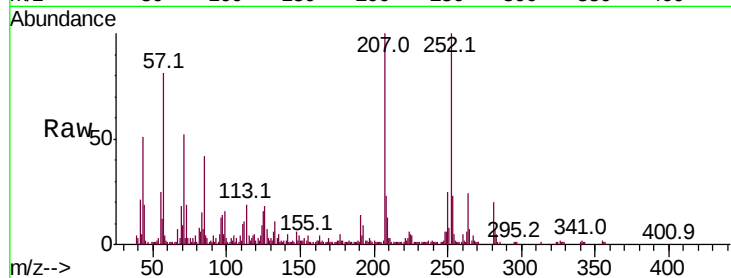
Tot Ion: 252 Resp: 126614

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 16.1 9.7 14.5#



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

