

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121220\  
 Data File : BP004241.D  
 Acq On : 11 Dec 2020 22:35  
 Operator : CG/JU  
 Sample : L5000-07  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A54A5

Quant Time: Dec 12 00:01:18 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP121020MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 13:52:32 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 355826   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 1429214  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.47 | 164  | 866044   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.23 | 188  | 1889973  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.32 | 240  | 1970134  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.67 | 264  | 2086805  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 24453   | 2.41  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 494145  | 16.79 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 301502  | 16.41 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.36  | 132 | 404181  | 18.09 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 348749  | 15.68 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.98  | 128 | 202615  | 17.31 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 192174  | 19.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165 | 386876  | 18.22 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 469211  | 17.83 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.88 | 166 | 1205766 | 18.22 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.16 | 160 | 1592663 | 18.85 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.66 | 143 | 146243  | 13.08 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.47 | 176 | 1072970 | 17.90 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 91992   | 10.14 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.33 | 188 | 1707725 | 18.54 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.57 | 212 | 2051640 | 19.99 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.52 | 264 | 2168590 | 19.73 | ng/ul | 0.00 |

## Target Compounds

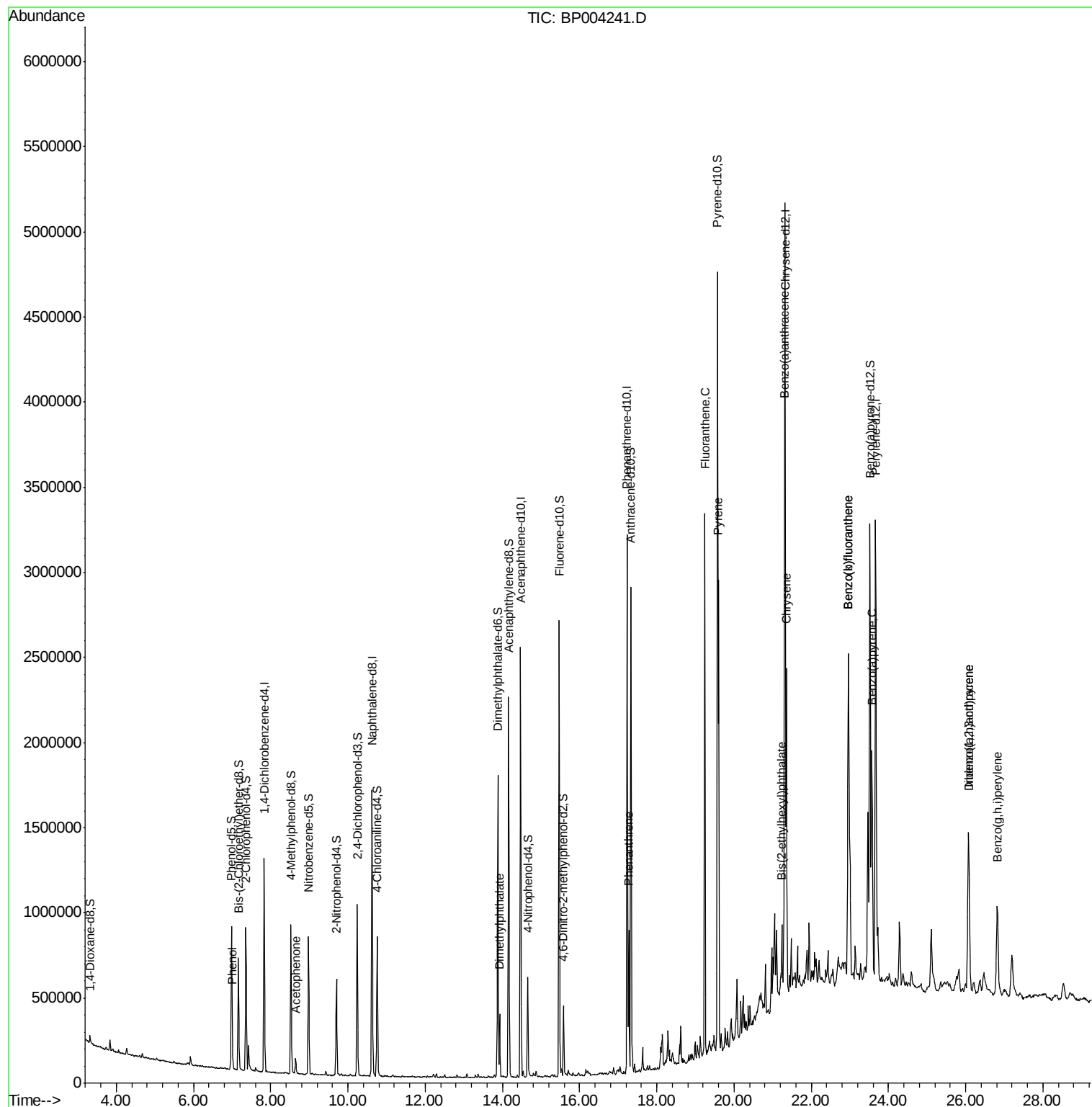
|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 6) Phenol                      | 7.01  | 94  | 32186   | 1.047  | ng/ul# | 92  |
| 14) Acetophenone               | 8.65  | 105 | 51939   | 1.477  | ng/ul  | 97  |
| 45) Dimethylphthalate          | 13.93 | 163 | 240991  | 3.575  | ng/ul  | 99  |
| 70) Phenanthrene               | 17.27 | 178 | 513125  | 4.602  | ng/ul  | 100 |
| 77) Fluoranthene               | 19.25 | 202 | 1844731 | 15.494 | ng/ul  | 98  |
| 80) Pyrene                     | 19.60 | 202 | 1615178 | 12.154 | ng/ul  | 100 |
| 83) Benzo(a)anthracene         | 21.30 | 228 | 769512  | 5.926  | ng/ul  | 99  |
| 84) Bis(2-ethylhexyl)phthalate | 21.24 | 149 | 129322  | 2.177  | ng/ul  | 98  |
| 85) Chrysene                   | 21.36 | 228 | 1076388 | 8.449  | ng/ul  | 98  |
| 88) Benzo(b)fluoranthene       | 22.96 | 252 | 1693206 | 12.795 | ng/ul  | 98  |
| 89) Benzo(k)fluoranthene       | 22.96 | 252 | 1693206 | 12.458 | ng/ul  | 97  |
| 91) Benzo(a)pyrene             | 23.57 | 252 | 928583  | 7.519  | ng/ul  | 98  |
| 92) Indeno(1,2,3-cd)pyrene     | 26.08 | 276 | 811591  | 5.240  | ng/ul  | 97  |
| 93) Dibenzo(a,h)anthracene     | 26.09 | 278 | 174546  | 1.345  | ng/ul# | 89  |
| 94) Benzo(g,h,i)perylene       | 26.82 | 276 | 699994  | 5.388  | ng/ul  | 97  |

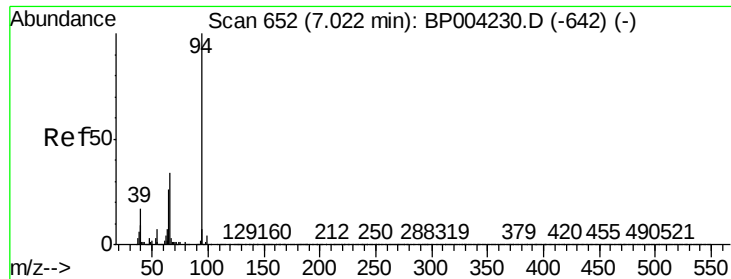
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121220\  
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A54A5

Quant Time: Dec 12 00:01:18 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP121020MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 10 13:52:32 2020  
Response via : Initial Calibration





#6

Phenol

Concen: 1.047 ng/ul

RT: 7.01 min Scan# 650

Delta R.T. -0.01 min

Lab File: BP004241.D

Acq: 11 Dec 2020 22:35

Instrument :

BNA\_P

ClientSampleId :

A54A5

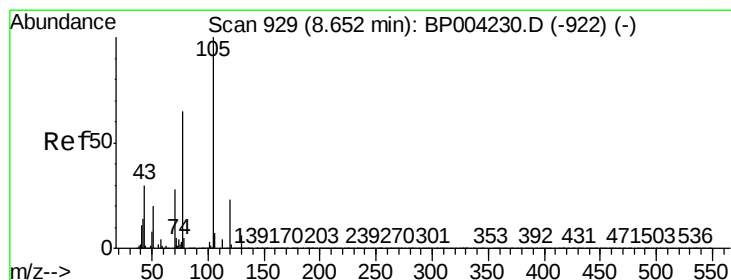
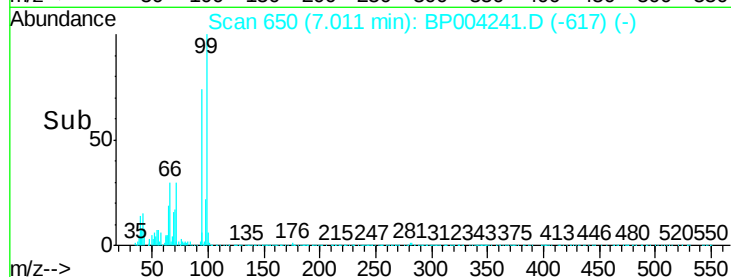
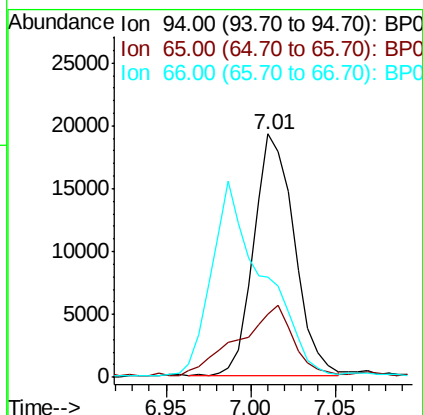
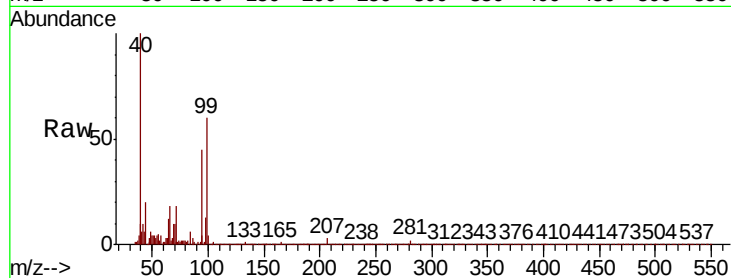
Tot Ion: 94 Resp: 32186

Ion Ratio Lower Upper

94 100

65 26.0 20.8 31.2

66 41.1 26.5 39.7#



#14

Acetophenone

Concen: 1.477 ng/ul

RT: 8.65 min Scan# 928

Delta R.T. 0.00 min

Lab File: BP004241.D

Acq: 11 Dec 2020 22:35

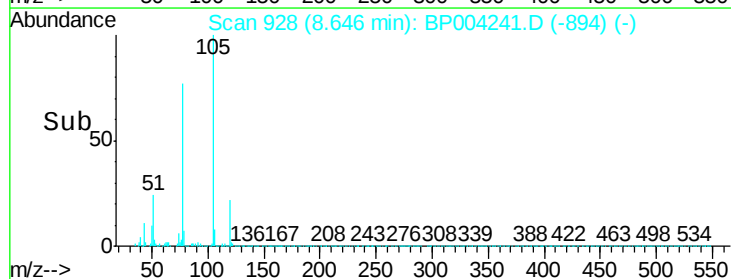
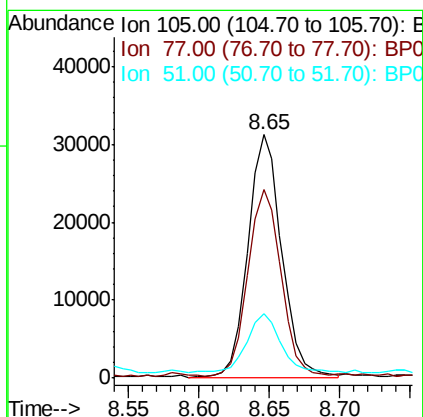
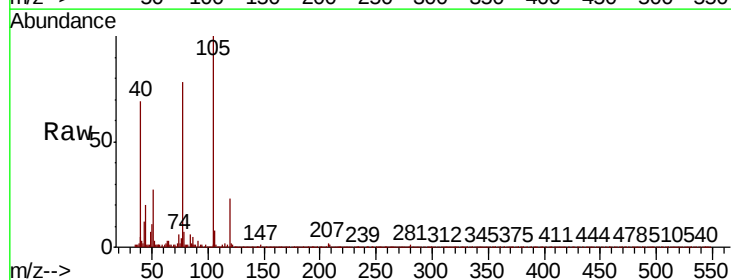
Tgt Ion: 105 Resp: 51939

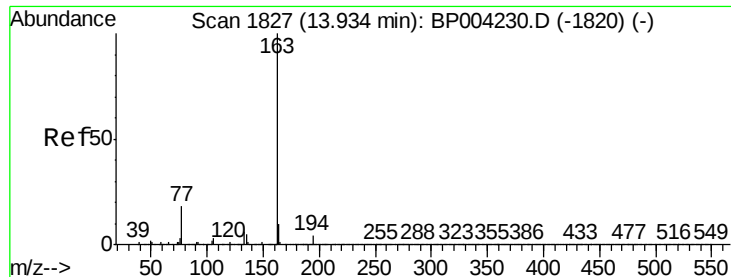
Ion Ratio Lower Upper

105 100

77 77.6 61.1 91.7

51 26.7 18.5 27.7

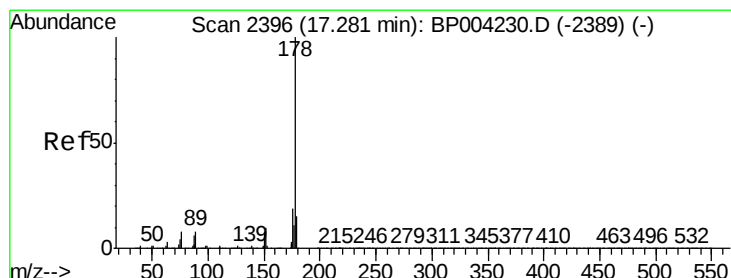
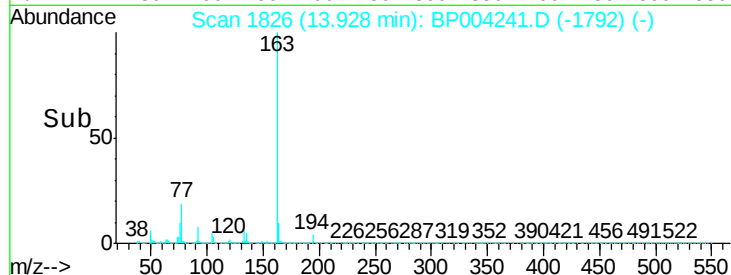
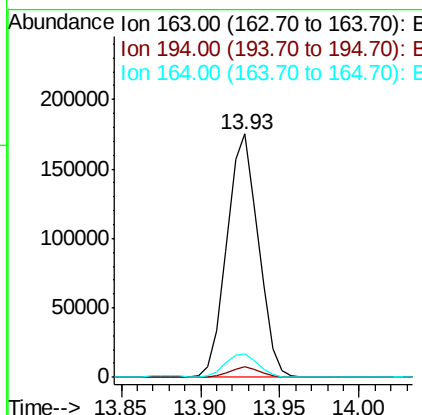
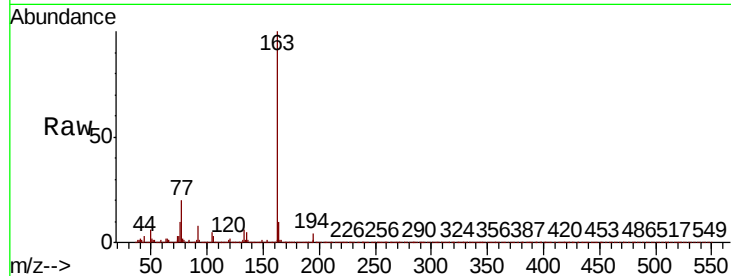




#45  
Dimethylphthalate  
Concen: 3.575 ng/ul  
RT: 13.93 min Scan# 1826  
Delta R.T. -0.00 min  
Lab File: BP004241.D  
Acq: 11 Dec 2020 22:35

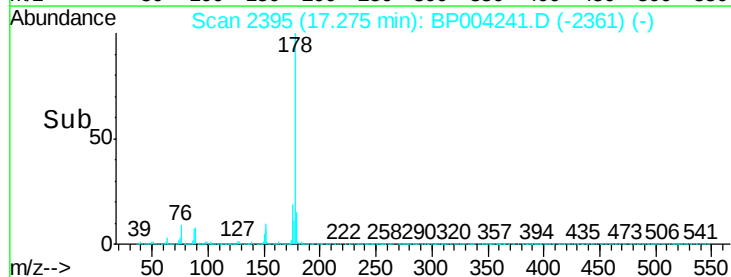
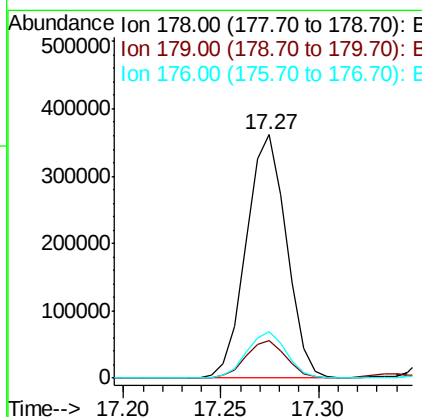
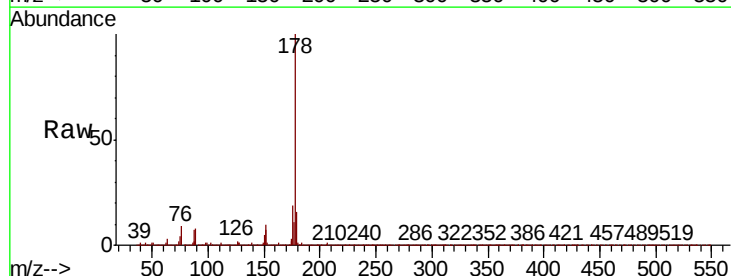
Instrument :  
BNA\_P  
ClientSampleId :  
A54A5

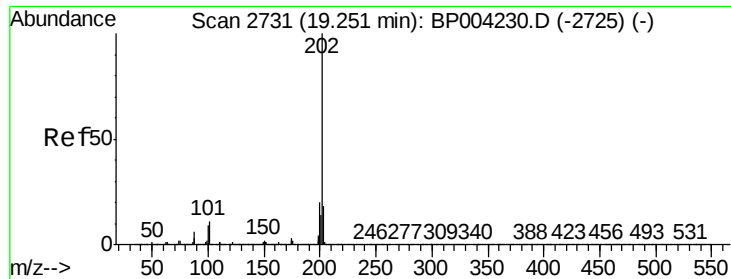
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 3.4   | 5.2   |
| 164     | 9.8   | 8.4   | 12.6  |



#70  
Phenanthrene  
Concen: 4.602 ng/ul  
RT: 17.27 min Scan# 2395  
Delta R.T. -0.00 min  
Lab File: BP004241.D  
Acq: 11 Dec 2020 22:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.5  | 12.4  | 18.6  |
| 176     | 19.1  | 15.4  | 23.0  |

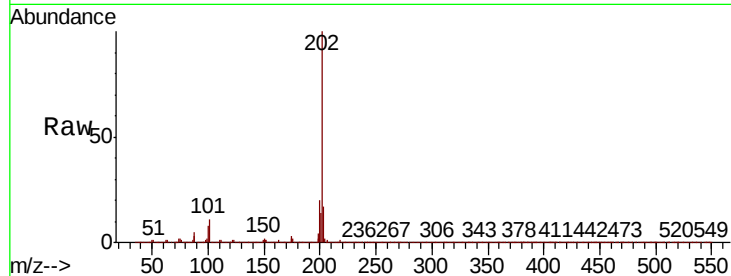




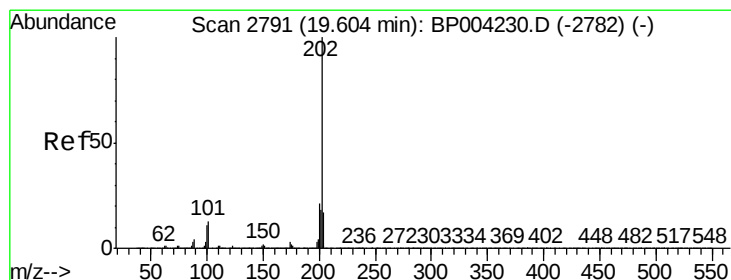
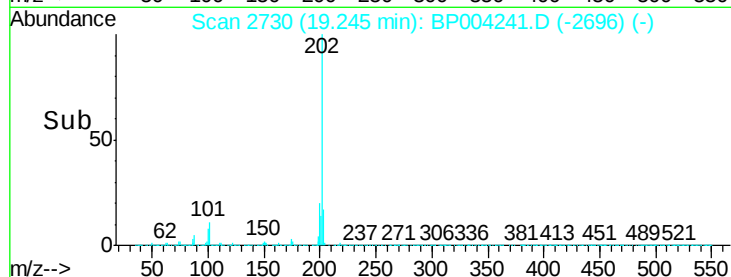
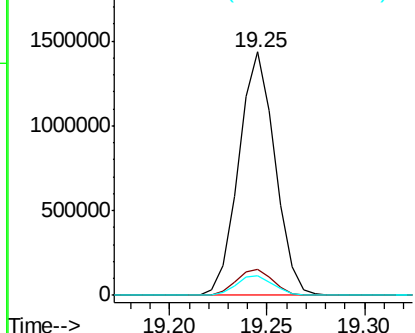
#77  
 Fluoranthene  
 Concen: 15.494 ng/ul  
 RT: 19.25 min Scan# 2730  
 Delta R.T. -0.00 min  
 Lab File: BP004241.D  
 Acq: 11 Dec 2020 22:35

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A54A5

Tot Ion:202 Resp: 1844731  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 9.1 13.7  
 100 8.1 7.1 10.7

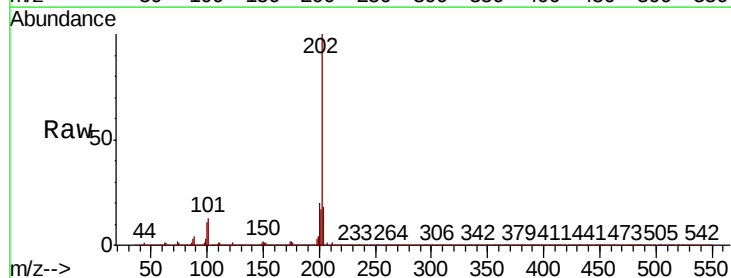


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

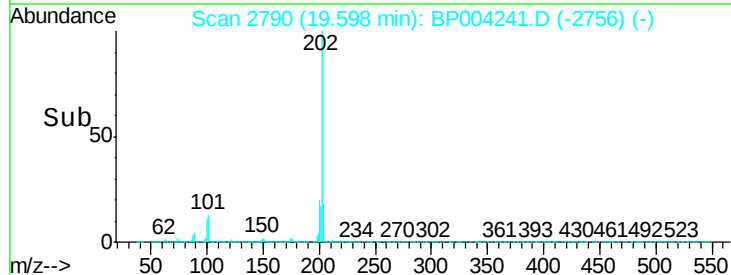
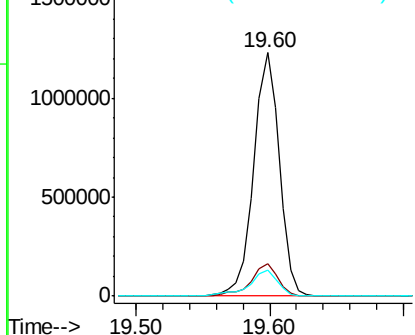


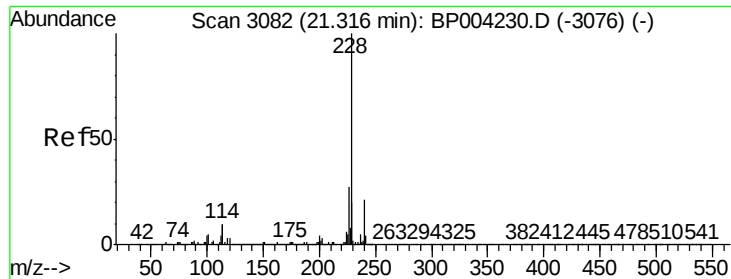
#80  
 Pyrene  
 Concen: 12.154 ng/ul  
 RT: 19.60 min Scan# 2790  
 Delta R.T. 0.00 min  
 Lab File: BP004241.D  
 Acq: 11 Dec 2020 22:35

Tgt Ion:202 Resp: 1615178  
 Ion Ratio Lower Upper  
 202 100  
 101 13.1 10.6 15.8  
 100 10.6 8.6 12.8



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





#83

Benzo(a)anthracene

Concen: 5.926 ng/ul

RT: 21.30 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BP004241.D

Acq: 11 Dec 2020 22:35

Instrument :

BNA\_P

ClientSampleId :

A54A5

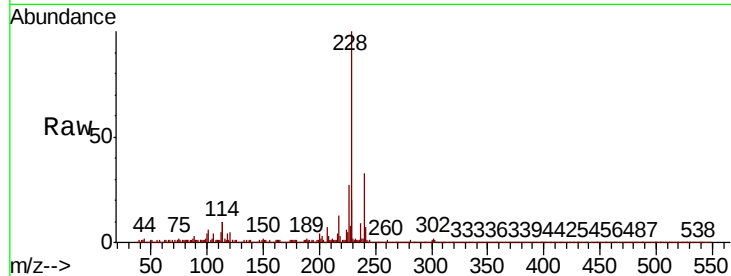
Tot Ion:228 Resp: 769512

Ion Ratio Lower Upper

228 100

229 20.2 15.8 23.8

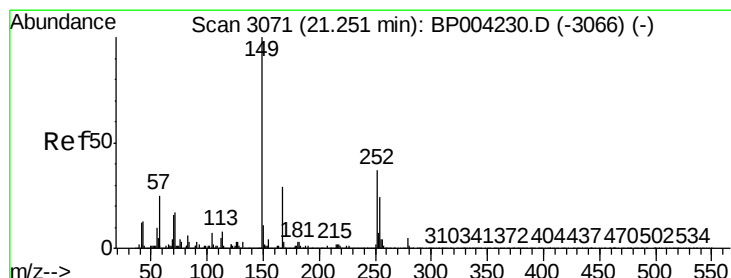
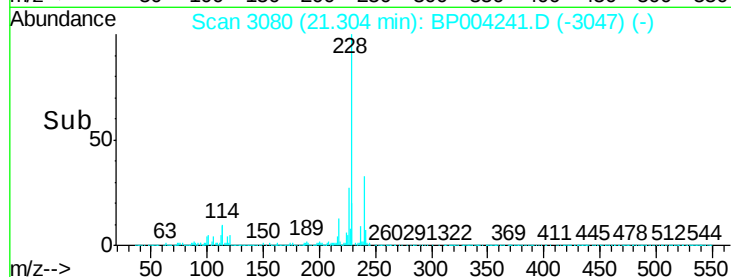
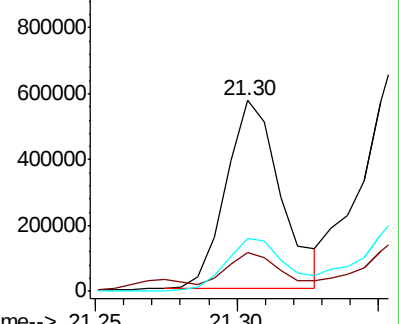
226 27.4 21.7 32.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.177 ng/ul

RT: 21.24 min Scan# 3069

Delta R.T. -0.01 min

Lab File: BP004241.D

Acq: 11 Dec 2020 22:35

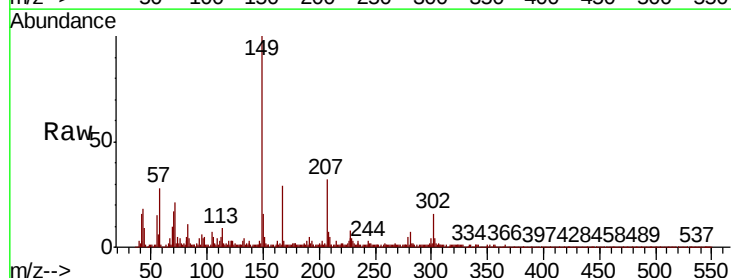
Tgt Ion:149 Resp: 129322

Ion Ratio Lower Upper

149 100

167 28.5 22.2 33.4

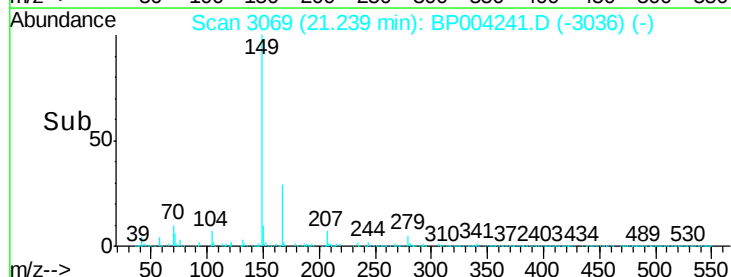
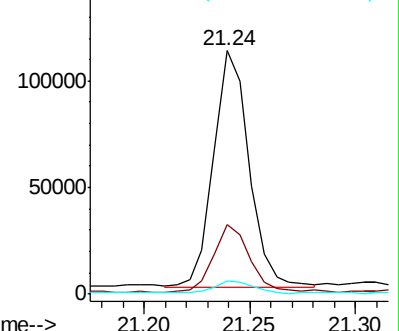
279 5.3 3.6 5.4

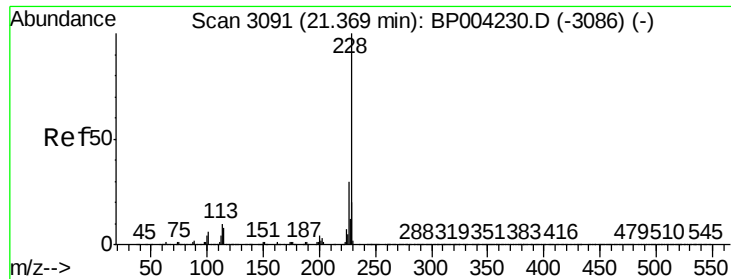


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 8.449 ng/ul

RT: 21.36 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BP004241.D

Acq: 11 Dec 2020 22:35

Instrument :

BNA\_P

ClientSampleId :

A54A5

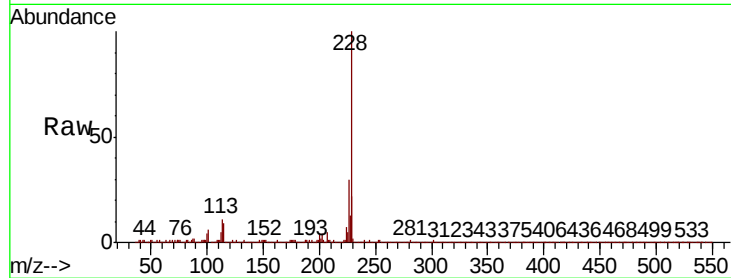
Tot Ion:228 Resp: 1076388

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

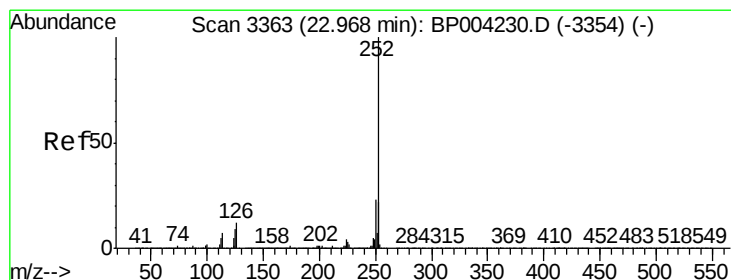
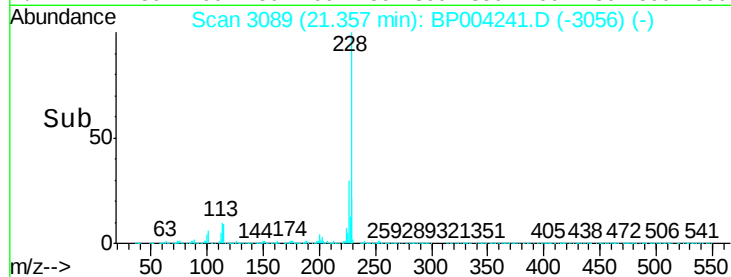
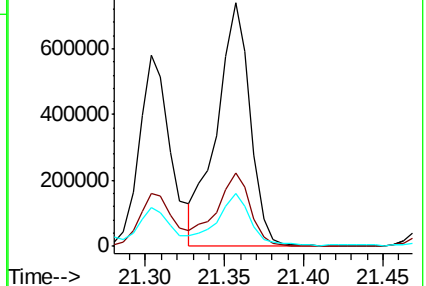
229 21.8 15.8 23.8



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



#88

Benzo(b)fluoranthene

Concen: 12.795 ng/ul

RT: 22.96 min Scan# 3361

Delta R.T. -0.01 min

Lab File: BP004241.D

Acq: 11 Dec 2020 22:35

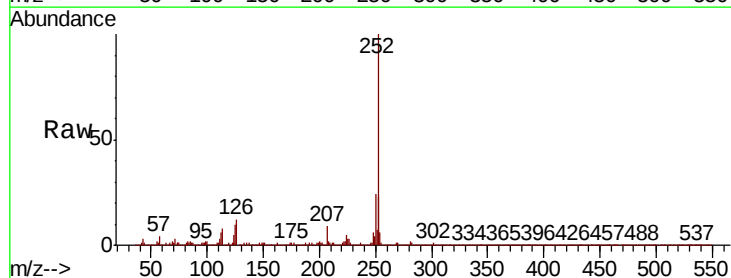
Tgt Ion:252 Resp: 1693206

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

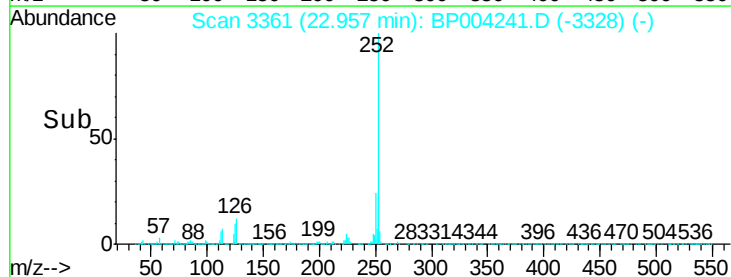
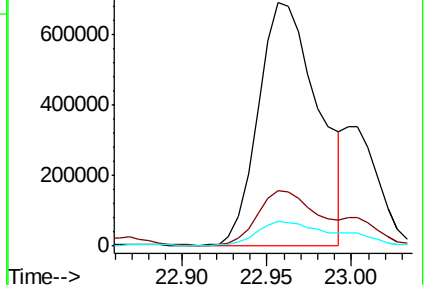
125 10.2 7.7 11.5

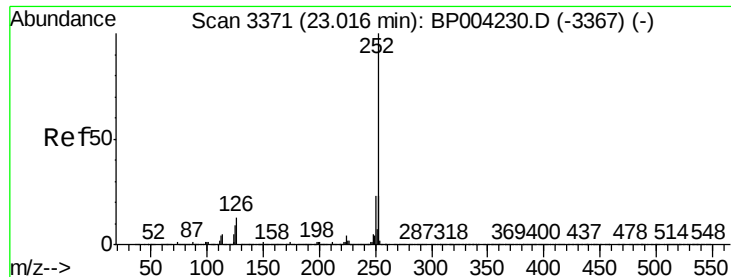


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

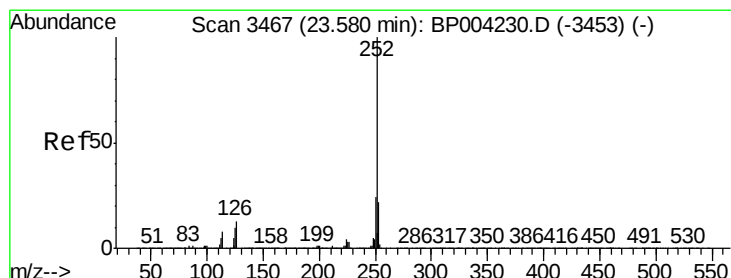
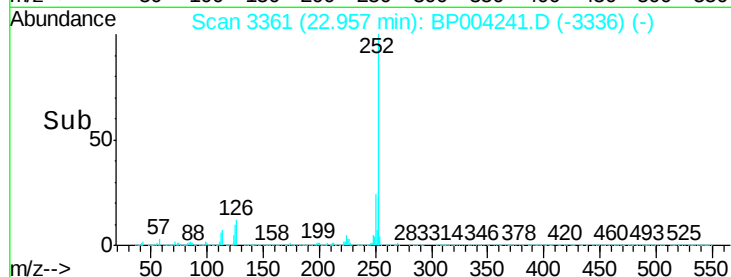
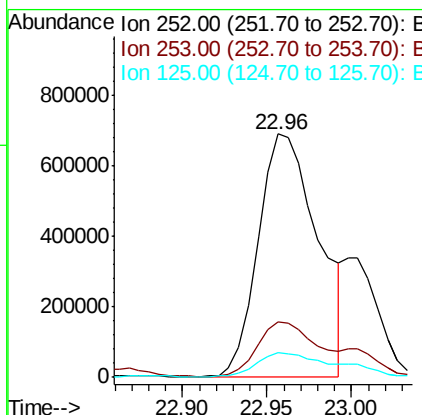
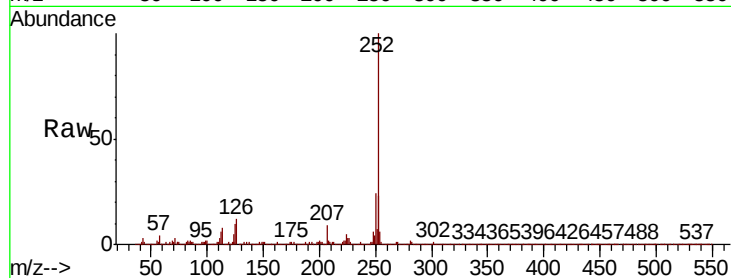




#89  
Benzo(k)fluoranthene  
Concen: 12.458 ng/ul  
RT: 22.96 min Scan# 3361  
Delta R.T. -0.05 min  
Lab File: BP004241.D  
Acq: 11 Dec 2020 22:35

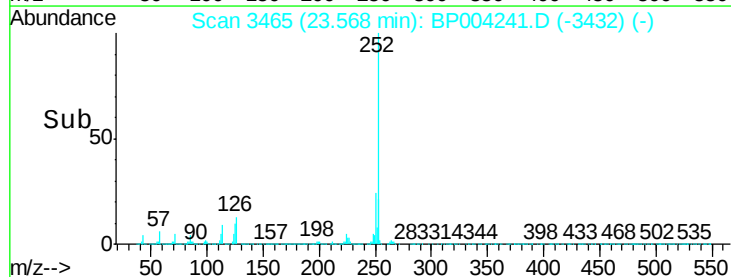
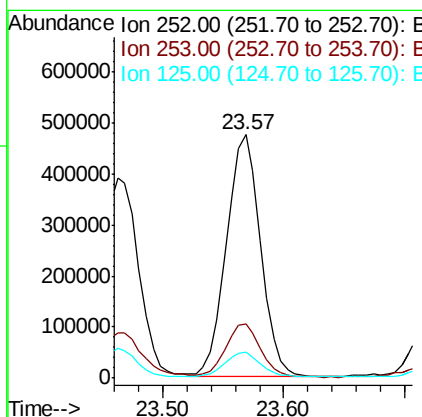
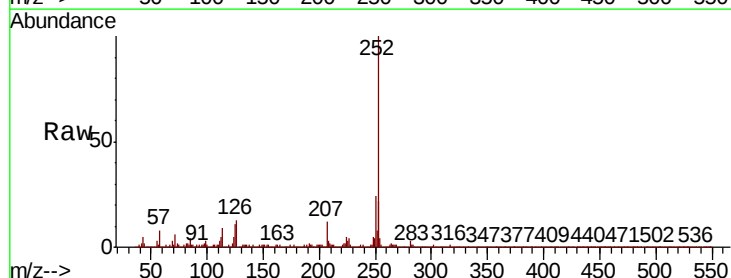
Instrument :  
BNA\_P  
ClientSampleId :  
A54A5

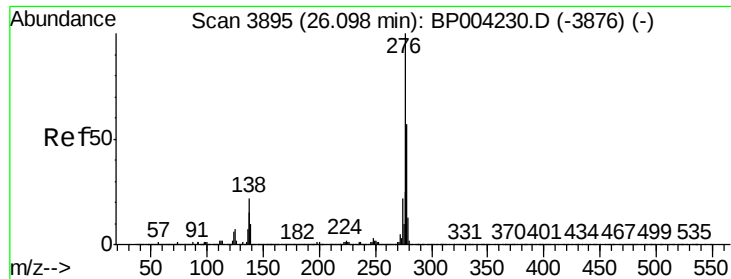
Tot Ion:252 Resp: 1693206  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.4 26.2  
125 10.2 7.3 10.9



#91  
Benzo(a)pyrene  
Concen: 7.519 ng/ul  
RT: 23.57 min Scan# 3465  
Delta R.T. -0.01 min  
Lab File: BP004241.D  
Acq: 11 Dec 2020 22:35

Tgt Ion:252 Resp: 928583  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.3 25.9  
125 10.8 7.8 11.6



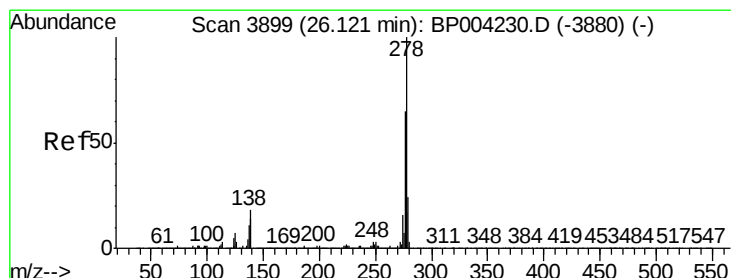
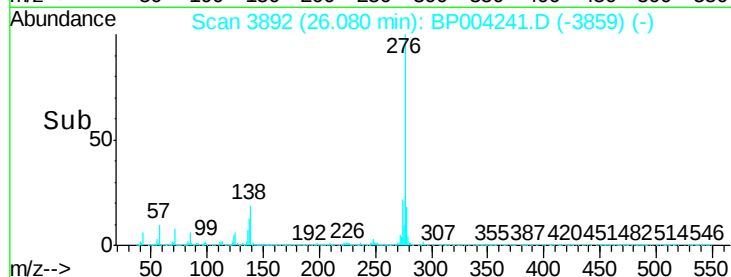
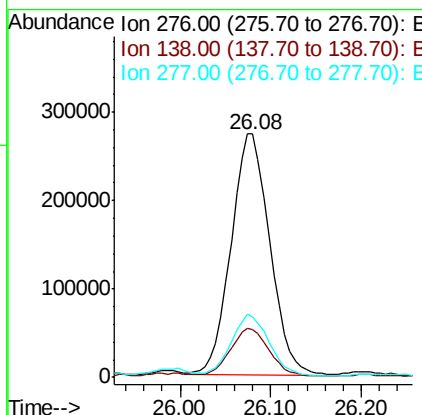
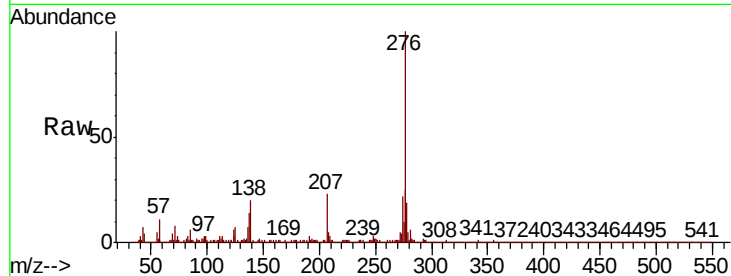


#92

Indeno(1,2,3-cd)pyrene  
Concen: 5.240 ng/ul  
RT: 26.08 min Scan# 3892  
Delta R.T. -0.01 min  
Lab File: BP004241.D  
Acq: 11 Dec 2020 22:35

Instrument :  
BNA\_P  
ClientSampleId :  
A54A5

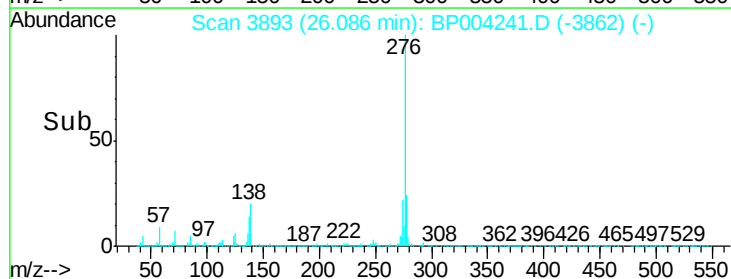
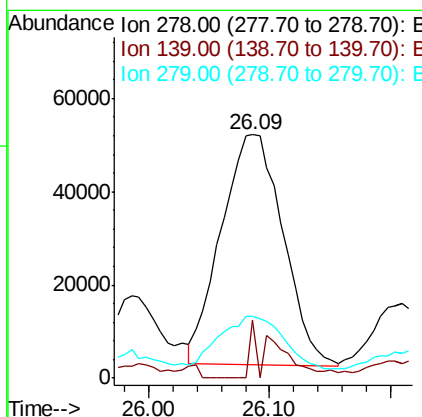
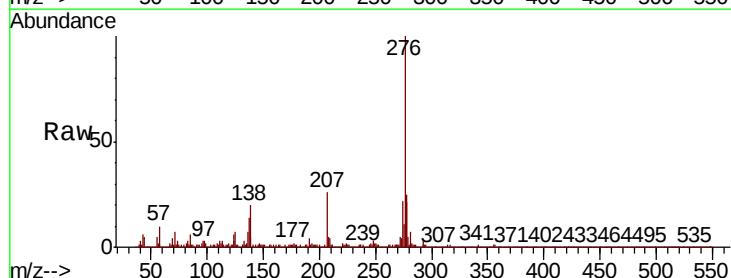
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.6  | 17.8  | 26.6  |
| 277     | 24.9  | 19.8  | 29.6  |

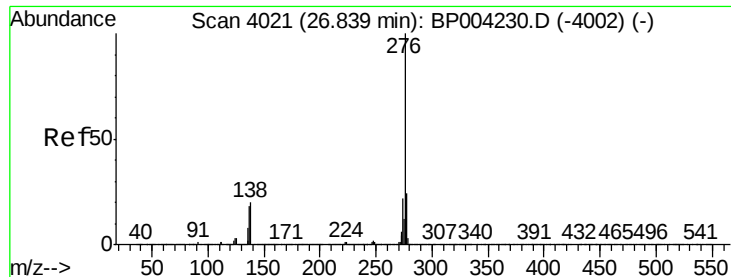


#93

Dibenzo(a,h)anthracene  
Concen: 1.345 ng/ul  
RT: 26.09 min Scan# 3893  
Delta R.T. -0.02 min  
Lab File: BP004241.D  
Acq: 11 Dec 2020 22:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 23.7  | 11.9  | 17.9# |
| 279     | 25.6  | 18.6  | 28.0  |





#94

Benzo(a,h,i)perylene

Concen: 5.388 ng/ul

RT: 26.82 min Scan# 4017

Delta R.T. -0.01 min

Lab File: BP004241.D

Acq: 11 Dec 2020 22:35

Instrument :

BNA\_P

ClientSampleId :

A54A5

Tot Ion:276 Resp: 699994

Ion Ratio Lower Upper

276 100

138 21.3 16.6 25.0

277 25.2 18.5 27.7

