

Data File : BP000785.D  
Acq On : 15 Oct 2019 23:00  
Operator : JU  
Sample : K5178-10  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
BEPF3

Quant Time: Oct 16 05:17:02 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP100919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 16 05:11:27 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.75  | 152  | 188892   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 8.03  | 136  | 710271   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 9.79  | 164  | 391783   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 11.29 | 188  | 710952   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 13.97 | 240  | 560312   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 15.45 | 264  | 656874   | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.36  | 96  | 17661  | 3.88  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.39  | 99  | 293575 | 20.15 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.43  | 67  | 154994 | 21.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.52  | 132 | 259470 | 21.14 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 7.13  | 113 | 232098 | 20.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 7.30  | 128 | 122615 | 22.71 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 7.63  | 143 | 132651 | 23.07 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 7.89  | 165 | 237066 | 21.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 8.09  | 131 | 142078 | 11.61 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 9.49  | 166 | 637611 | 23.25 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 9.64  | 160 | 785673 | 23.29 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 9.92  | 143 | 67664  | 16.02 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 10.32 | 176 | 540532 | 23.03 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 10.39 | 200 | 47035  | 13.89 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 11.35 | 188 | 777120 | 23.60 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 12.73 | 212 | 788410 | 24.88 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 15.36 | 264 | 767623 | 23.67 | ng/ul | 0.00 |

#### Target Compounds

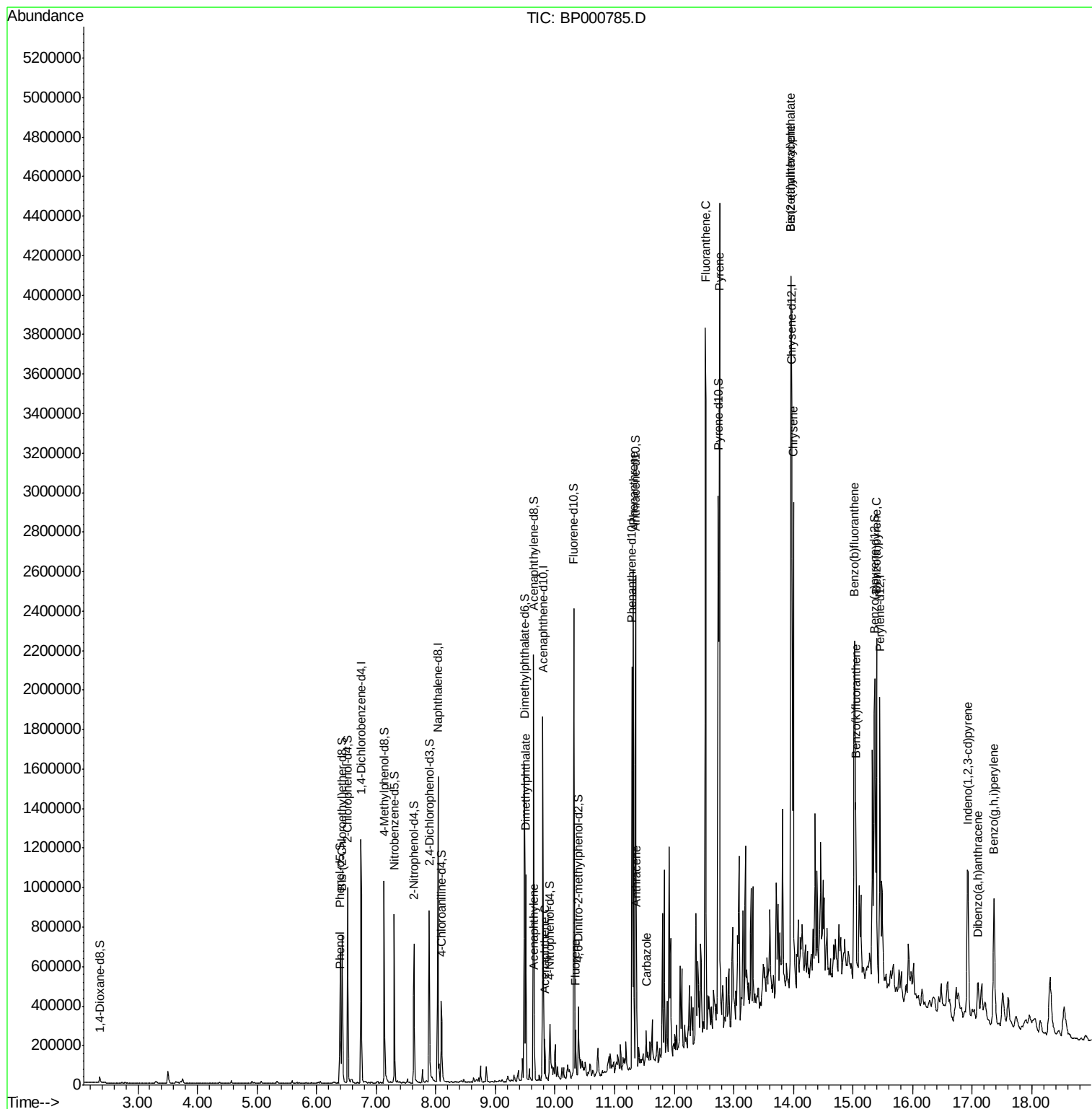
|                                |       |     |         |        |       | Qvalue |
|--------------------------------|-------|-----|---------|--------|-------|--------|
| 6) Phenol                      | 6.40  | 94  | 42384   | 2.885  | ng/ul | 95     |
| 45) Dimethylphthalate          | 9.51  | 163 | 363938  | 13.318 | ng/ul | 99     |
| 48) Acenaphthylene             | 9.66  | 152 | 50184   | 1.442  | ng/ul | 99     |
| 50) Acenaphthene               | 9.83  | 153 | 44069   | 1.829  | ng/ul | 99     |
| 59) Fluorene                   | 10.35 | 166 | 43608   | 1.673  | ng/ul | 99     |
| 70) Phenanthrene               | 11.32 | 178 | 922107  | 23.798 | ng/ul | 99     |
| 72) Anthracene                 | 11.37 | 178 | 194810  | 4.954  | ng/ul | 99     |
| 75) Carbazole                  | 11.53 | 167 | 56201   | 1.675  | ng/ul | 97     |
| 77) Fluoranthene               | 12.52 | 202 | 1437167 | 36.200 | ng/ul | 99     |
| 80) Pyrene                     | 12.76 | 202 | 1652464 | 41.567 | ng/ul | 97     |
| 83) Benzo(a)anthracene         | 13.96 | 228 | 875603  | 23.284 | ng/ul | 95     |
| 84) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 511070  | 23.667 | ng/ul | 100    |
| 85) Chrysene                   | 14.00 | 228 | 921867  | 26.374 | ng/ul | 98     |
| 88) Benzo(b)fluoranthene       | 15.02 | 252 | 982217  | 25.062 | ng/ul | 98     |
| 89) Benzo(k)fluoranthene       | 15.05 | 252 | 334459  | 8.961  | ng/ul | 96     |
| 91) Benzo(a)pyrene             | 15.39 | 252 | 789204  | 21.268 | ng/ul | 98     |
| 92) Indeno(1,2,3-cd)pyrene     | 16.92 | 276 | 489259  | 11.503 | ng/ul | 97     |
| 93) Dibenzo(a,h)anthracene     | 17.10 | 278 | 108671  | 3.117  | ng/ul | 95     |
| 94) Benzo(g,h,i)perylene       | 17.36 | 276 | 517489  | 14.612 | ng/ul | 99     |

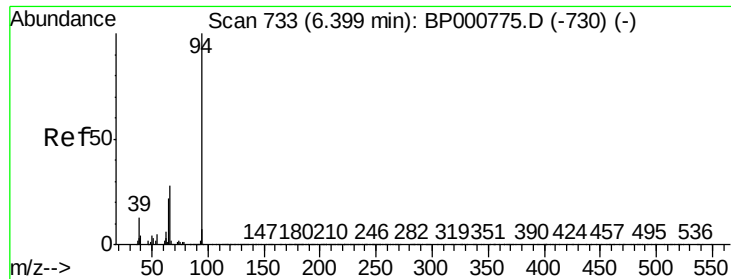
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
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#6

Phenol

Concen: 2.885 ng/ul

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

Instrument :

BNA\_P

ClientSampleId :

BEPF3

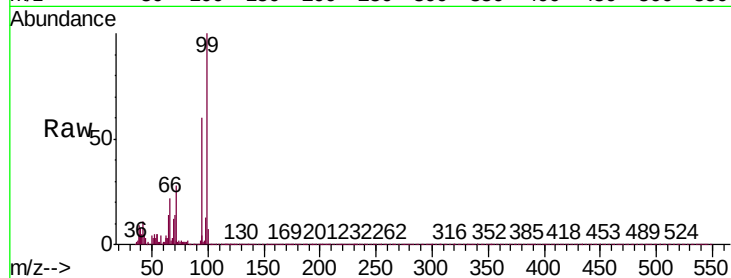
Tgt Ion: 94 Resp: 42384

Ion Ratio Lower Upper

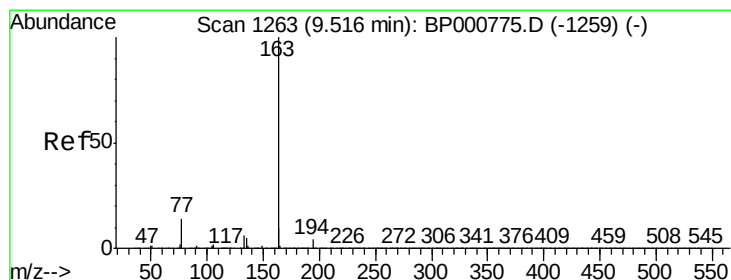
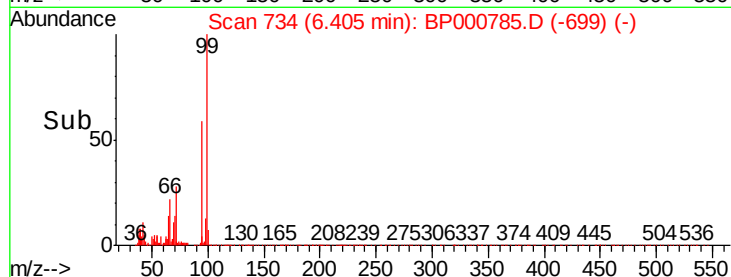
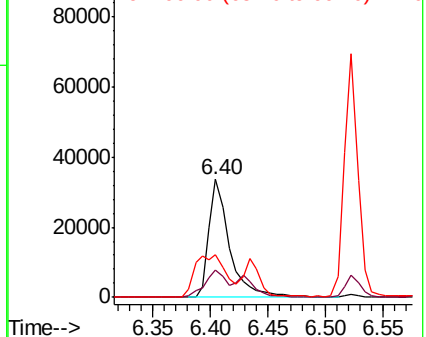
94 100

65 23.6 19.2 28.8

66 36.2 25.7 38.5



Abundance Ion 94.00 (93.70 to 94.70): BP0  
Ion 65.00 (64.70 to 65.70): BP0  
Ion 66.00 (65.70 to 66.70): BP0



#45

Dimethylphthalate

Concen: 13.318 ng/ul

RT: 9.51 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

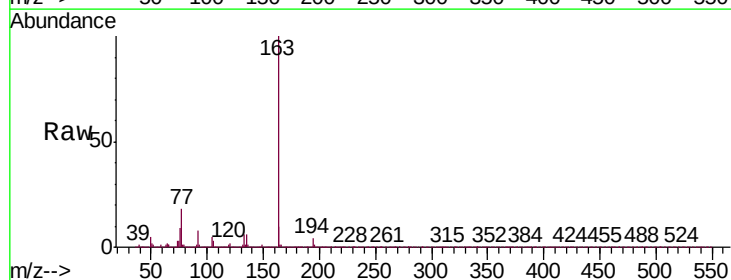
Tgt Ion: 163 Resp: 363938

Ion Ratio Lower Upper

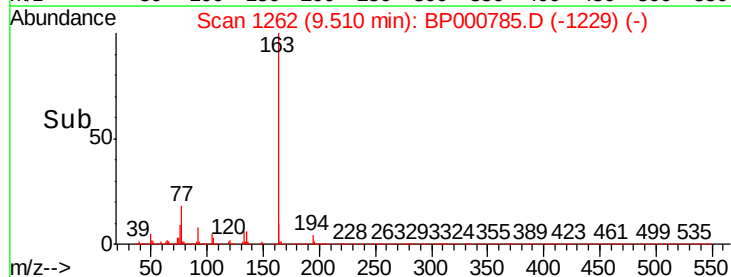
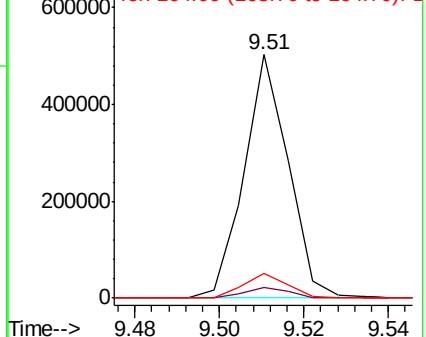
163 100

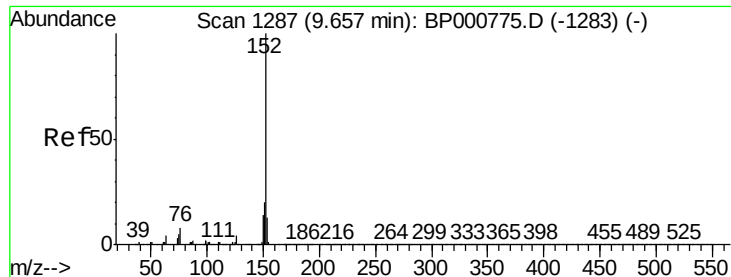
194 4.2 3.3 4.9

164 10.3 8.1 12.1



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





#48

Acenaphthylene

Concen: 1.442 ng/ul

RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

Instrument :

BNA\_P

ClientSampleId :

BEPF3

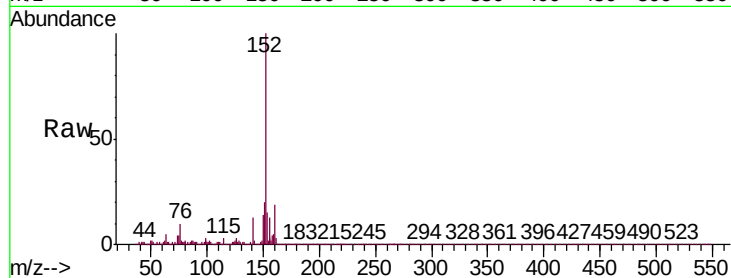
Tgt Ion:152 Resp: 50184

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 14.8 10.9 16.3

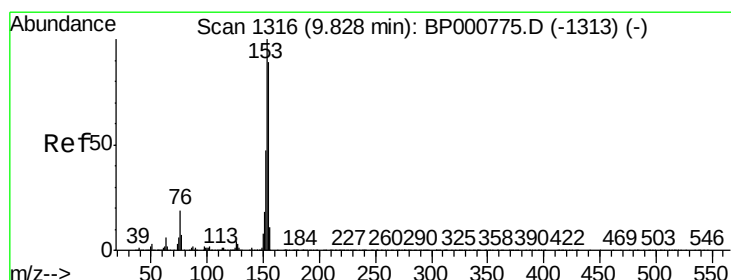
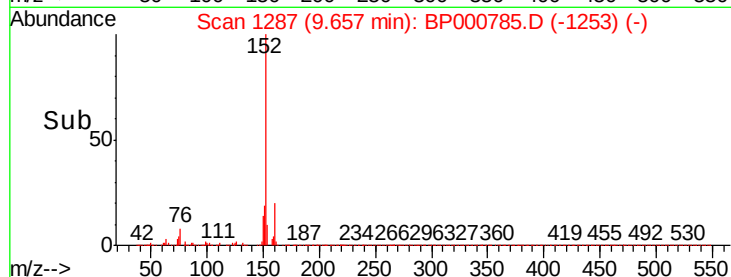
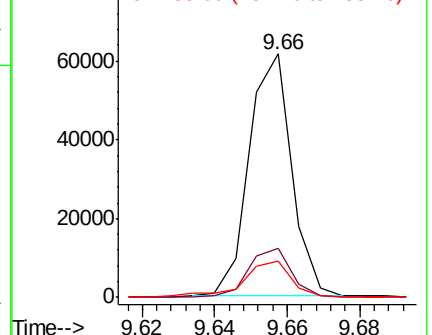


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 1.829 ng/ul

RT: 9.83 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

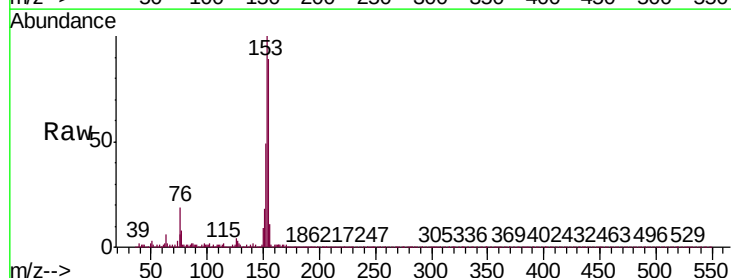
Tgt Ion:153 Resp: 44069

Ion Ratio Lower Upper

153 100

152 48.7 38.6 57.8

154 89.3 71.9 107.9

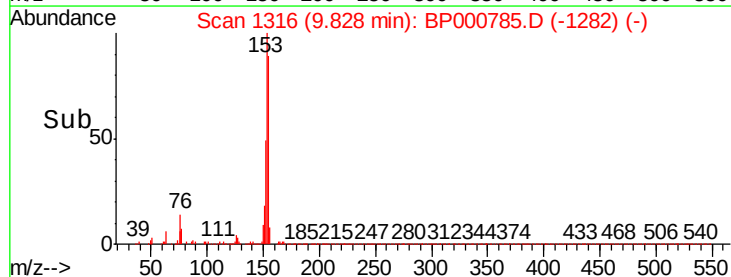
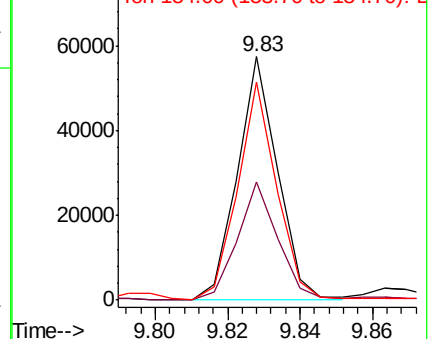


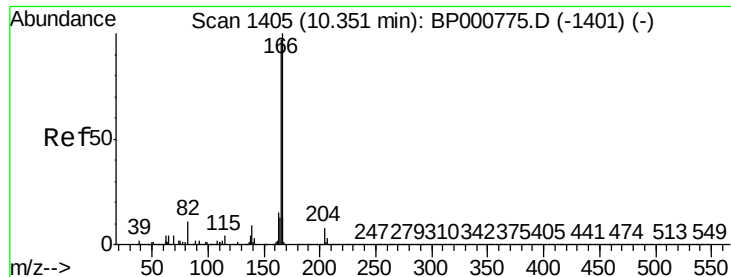
Abundance

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

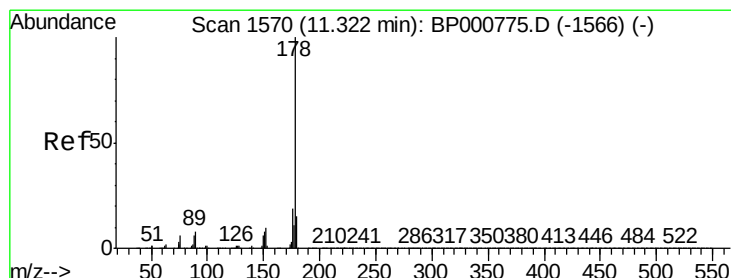
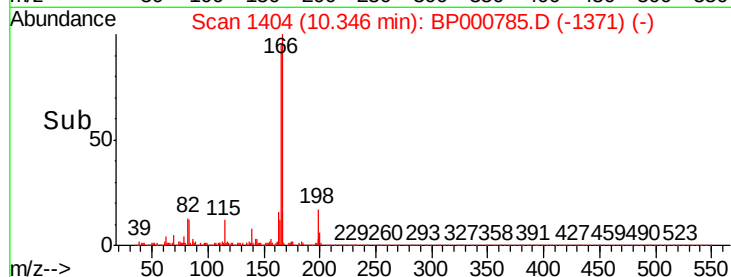
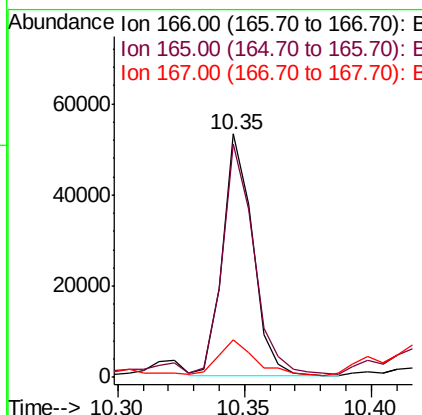
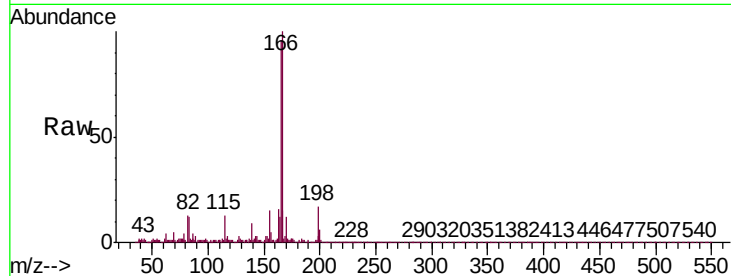




#59  
Fluorene  
Concen: 1.673 ng/ul  
RT: 10.35 min Scan# 1404  
Delta R.T. -0.01 min  
Lab File: BP000785.D  
Acq: 15 Oct 2019 23:00

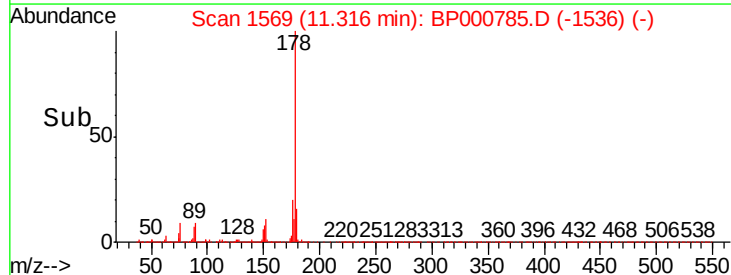
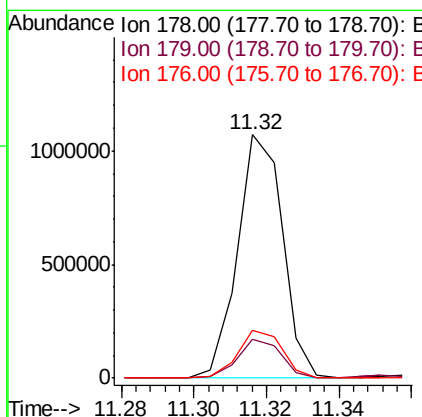
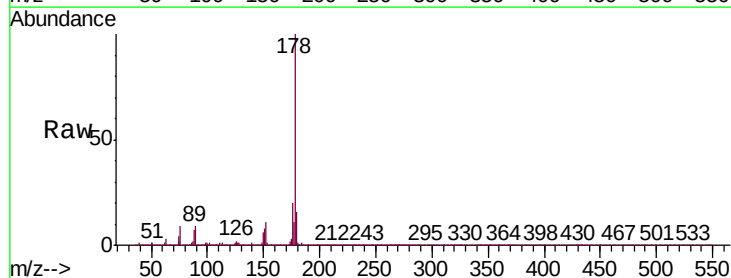
Instrument :  
BNA\_P  
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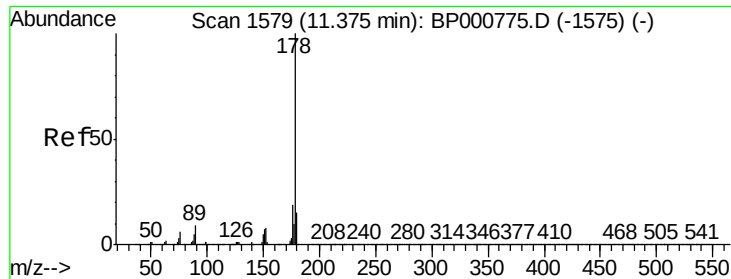
Tgt Ion:166 Resp: 43608  
Ion Ratio Lower Upper  
166 100  
165 95.8 77.4 116.0  
167 15.3 10.8 16.2



#70  
Phenanthrene  
Concen: 23.798 ng/ul  
RT: 11.32 min Scan# 1569  
Delta R.T. -0.01 min  
Lab File: BP000785.D  
Acq: 15 Oct 2019 23:00

Tgt Ion:178 Resp: 922107  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.5 18.7  
176 19.7 15.4 23.2

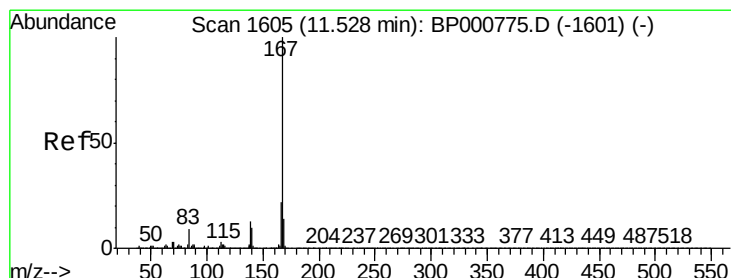
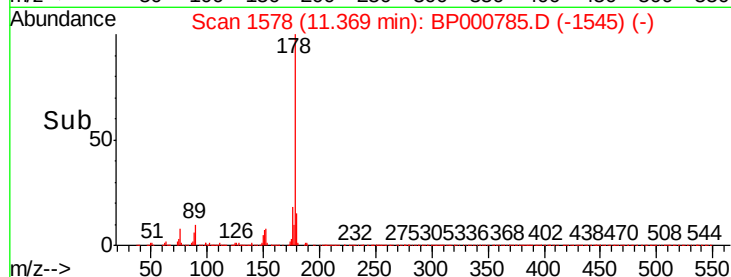
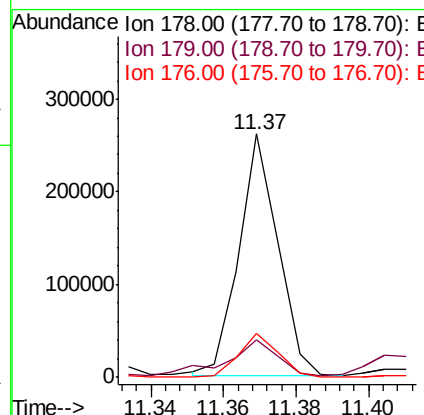
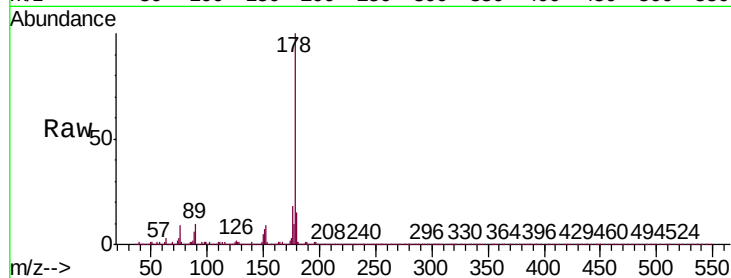




#72  
 Anthracene  
 Concen: 4.954 ng/ul  
 RT: 11.37 min Scan# 1578  
 Delta R.T. -0.01 min  
 Lab File: BP000785.D  
 Acq: 15 Oct 2019 23:00

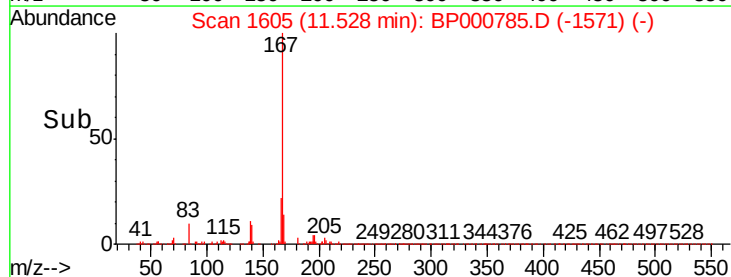
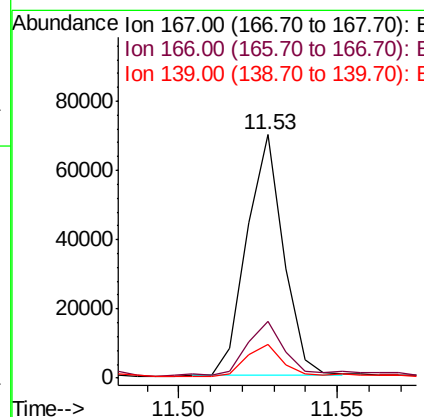
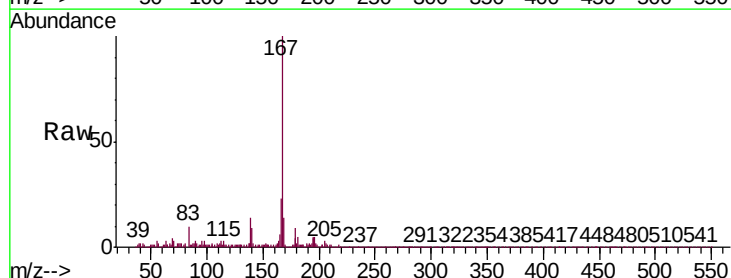
Instrument :  
 BNA\_P  
 ClientSampleId :  
 BEPF3

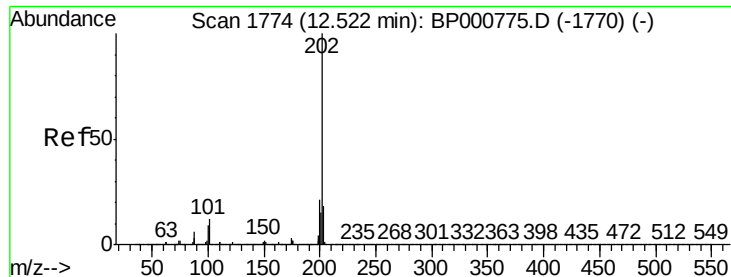
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 178   | Resp: | 194810 |
| Ion      | Ratio | Lower | Upper  |
| 178      | 100   |       |        |
| 179      | 15.2  | 12.4  | 18.6   |
| 176      | 18.3  | 15.1  | 22.7   |



#75  
 Carbazole  
 Concen: 1.675 ng/ul  
 RT: 11.53 min Scan# 1605  
 Delta R.T. 0.00 min  
 Lab File: BP000785.D  
 Acq: 15 Oct 2019 23:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 167   | Resp: | 56201 |
| Ion      | Ratio | Lower | Upper |
| 167      | 100   |       |       |
| 166      | 23.3  | 17.4  | 26.0  |
| 139      | 13.7  | 10.2  | 15.4  |





#77

Fluoranthene

Concen: 36.200 ng/ul

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

Instrument :

BNA\_P

ClientSampleId :

BEPF3

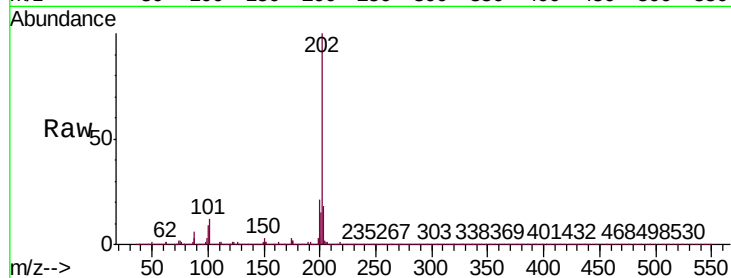
Tgt Ion:202 Resp: 1437167

Ion Ratio Lower Upper

202 100

101 12.5 9.8 14.6

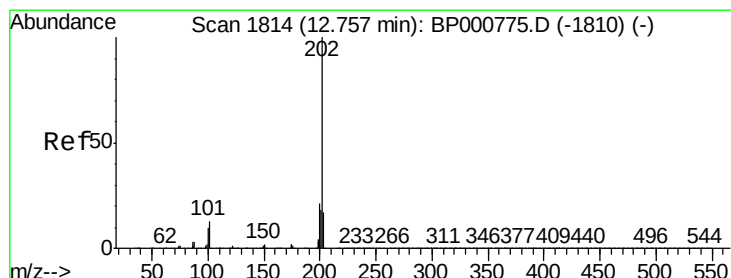
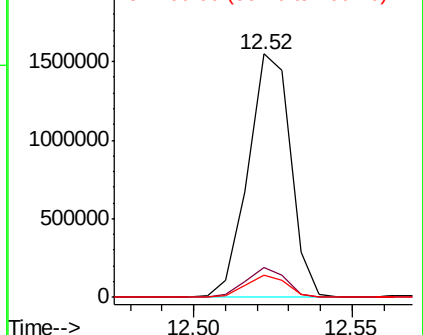
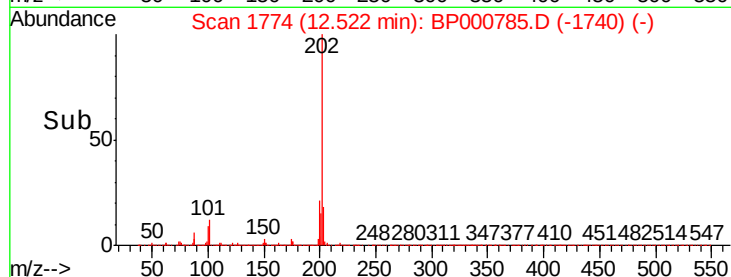
100 9.1 7.2 10.8



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): BF



#80

Pyrene

Concen: 41.567 ng/ul

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

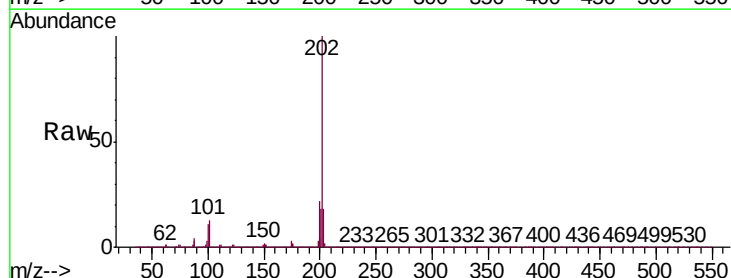
Tgt Ion:202 Resp: 1652464

Ion Ratio Lower Upper

202 100

101 13.4 9.7 14.5

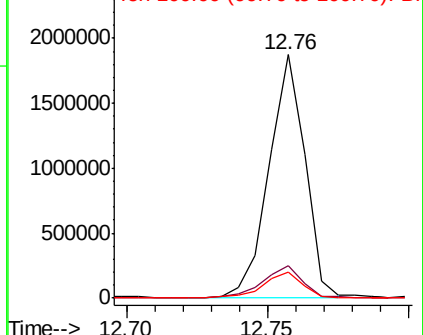
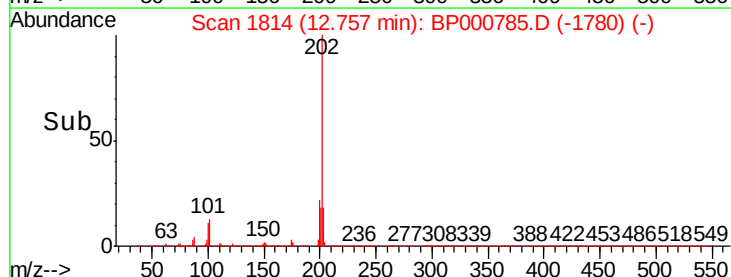
100 10.8 7.8 11.8

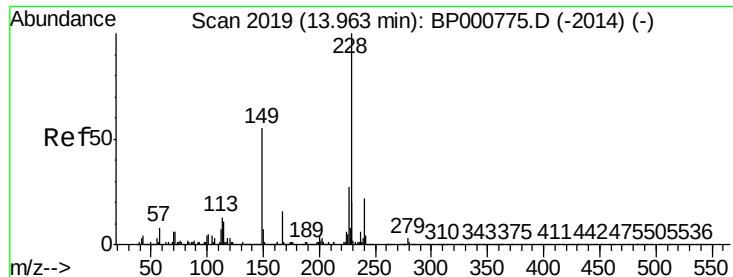


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BF





#83

Benzo(a)anthracene

Concen: 23.284 ng/ul

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

Instrument :

BNA\_P

ClientSampled :

BEPF3

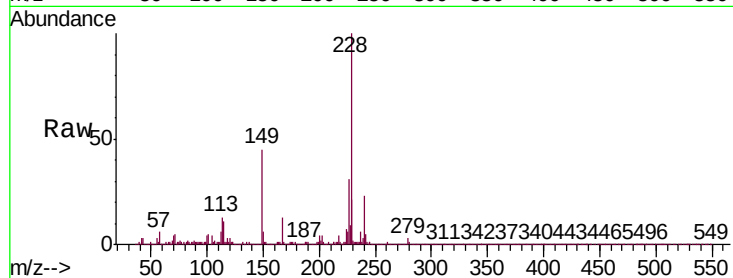
Tgt Ion:228 Resp: 875603

Ion Ratio Lower Upper

228 100

229 21.2 15.6 23.4

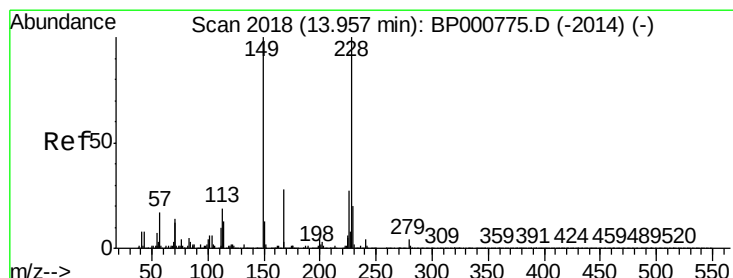
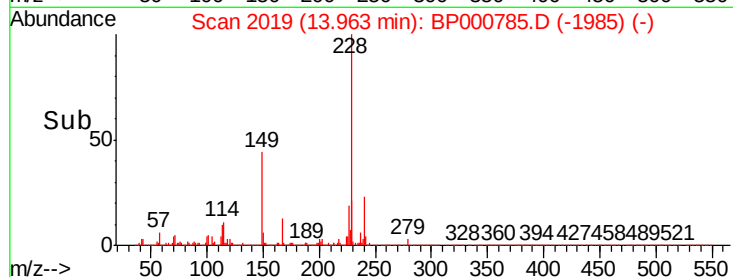
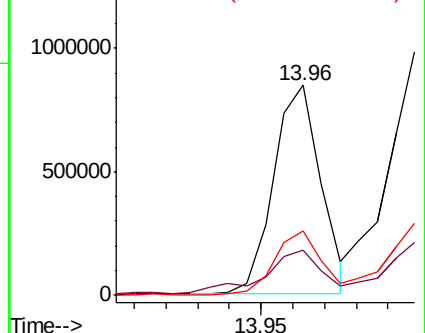
226 30.8 21.8 32.8



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: 23.667 ng/ul

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

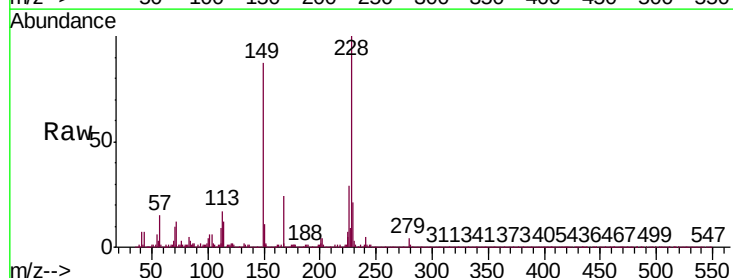
Tgt Ion:149 Resp: 511070

Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

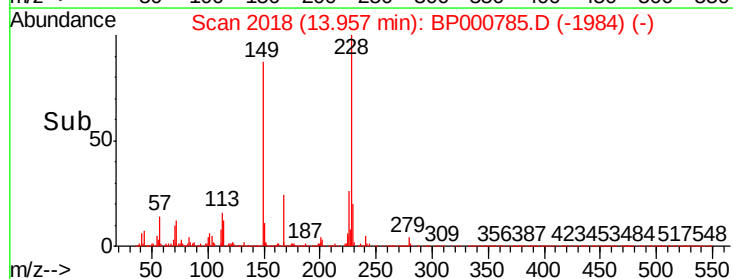
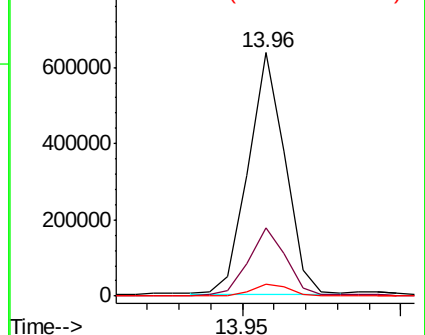
279 4.7 3.2 4.8



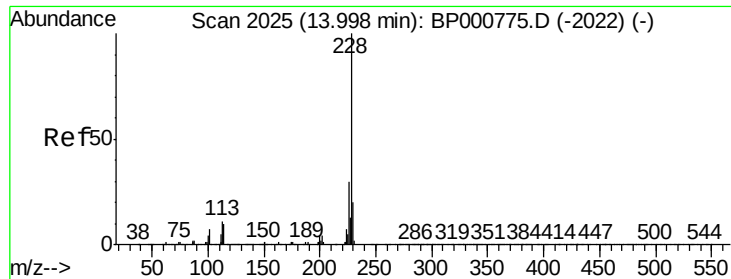
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E







#85

Chrysene

Concen: 26.374 ng/ul

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

Instrument :

BNA\_P

ClientSampleId :

BEPF3

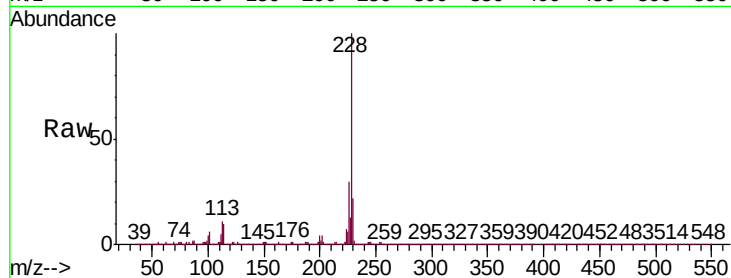
Tgt Ion:228 Resp: 921867

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.4

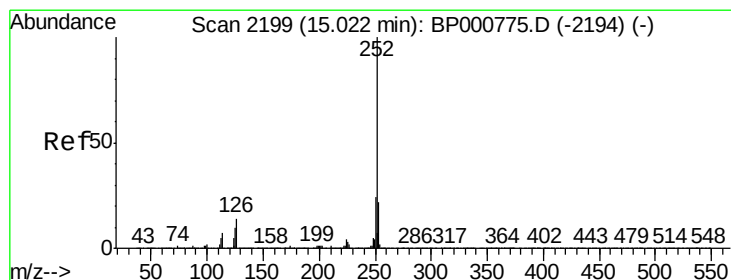
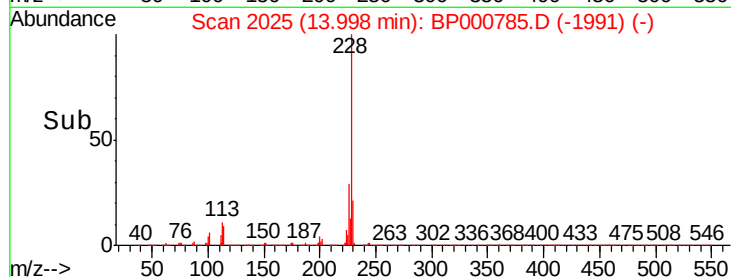
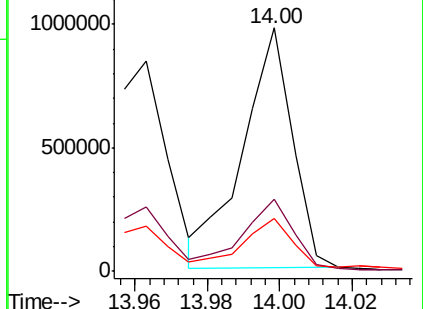
229 21.7 15.8 23.6



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: 25.062 ng/ul

RT: 15.02 min Scan# 2199

Delta R.T. 0.00 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

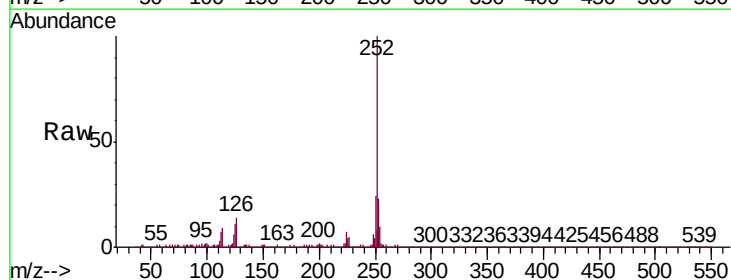
Tgt Ion:252 Resp: 982217

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

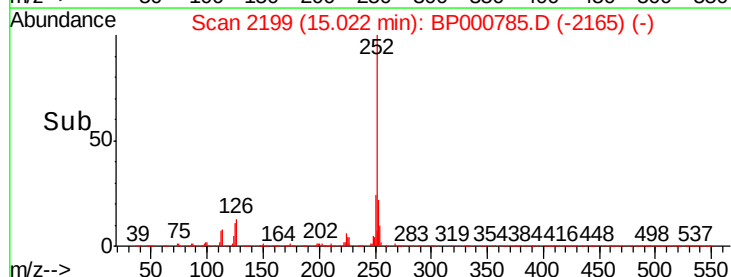
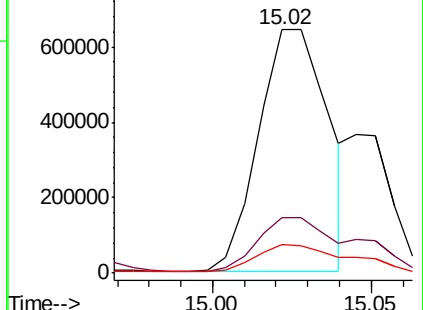
125 11.5 8.7 13.1

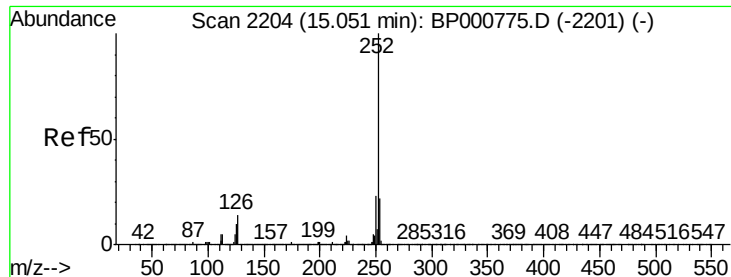


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 8.961 ng/ul

RT: 15.05 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

Instrument :

BNA\_P

ClientSampleId :

BEPF3

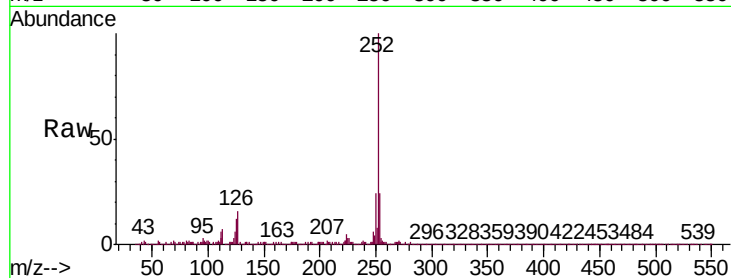
Tgt Ion:252 Resp: 334459

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

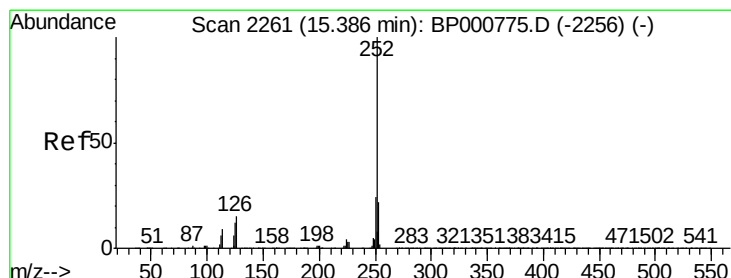
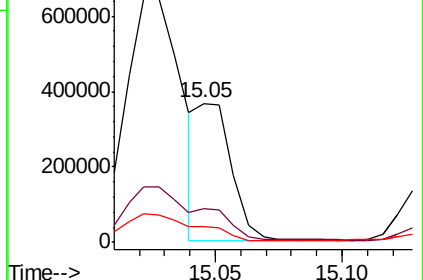
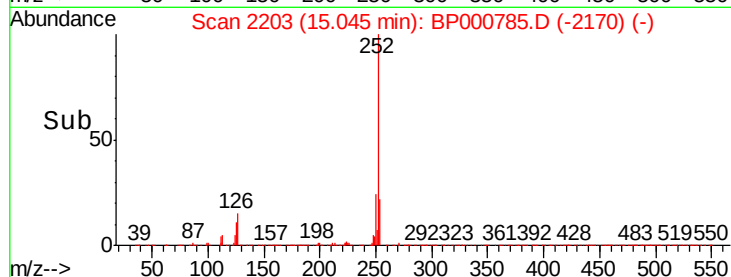
125 11.8 8.2 12.4



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



#91

Benzo(a)pyrene

Concen: 21.268 ng/ul

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

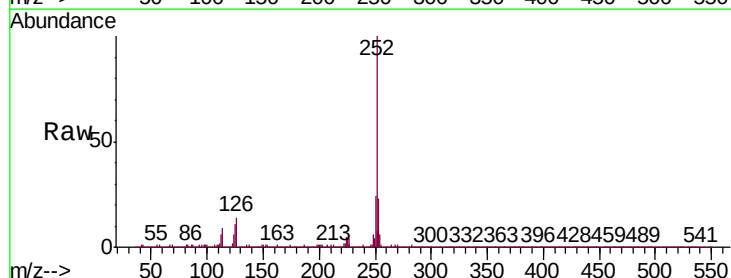
Tgt Ion:252 Resp: 789204

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

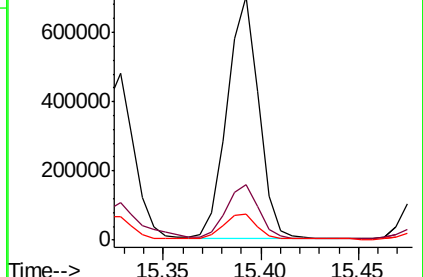
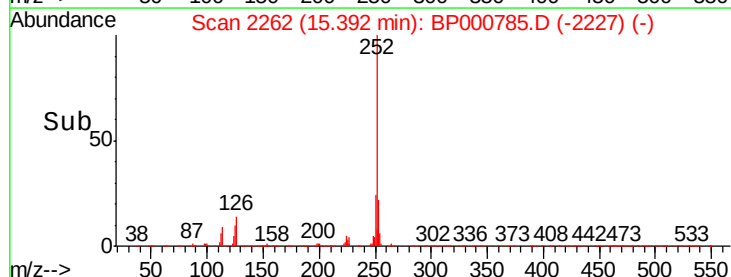
125 10.9 9.7 14.5

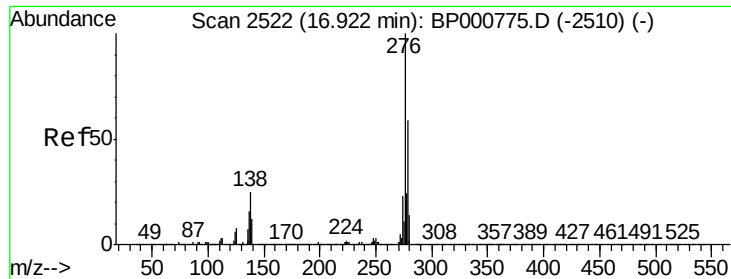


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



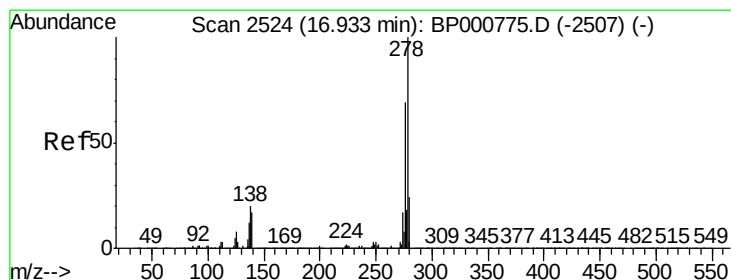
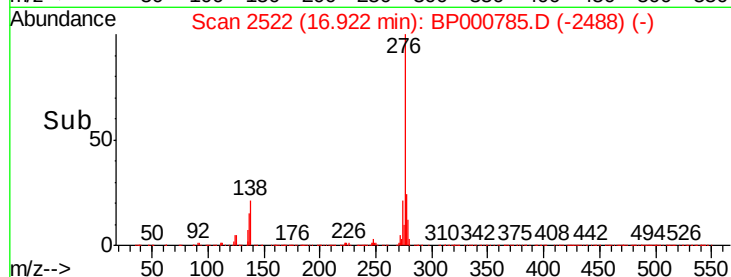
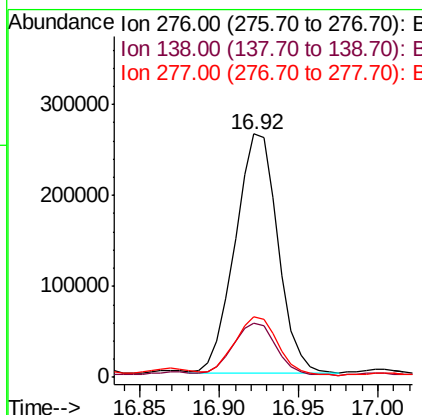
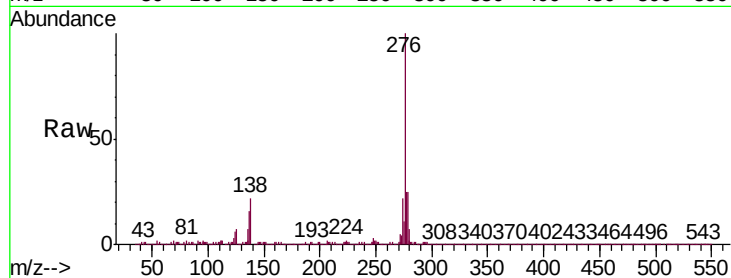


#92

Indeno(1,2,3-cd)pyrene  
Concen: 11.503 ng/ul  
RT: 16.92 min Scan# 2522  
Delta R.T. 0.00 min  
Lab File: BP000785.D  
Acq: 15 Oct 2019 23:00

Instrument :  
BNA\_P  
ClientSampleId :  
BEPF3

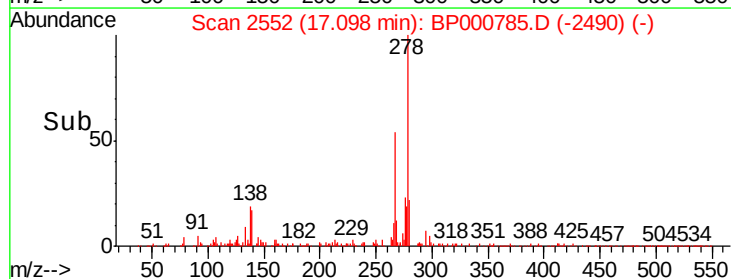
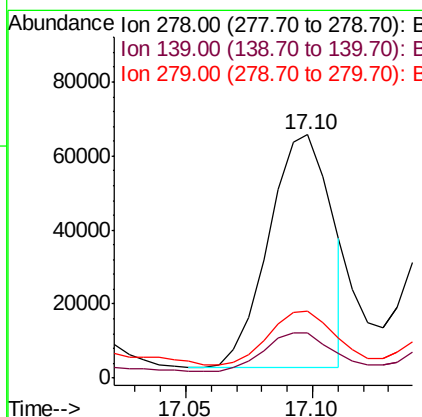
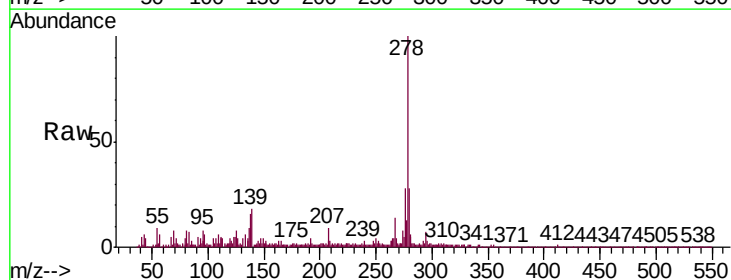
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.4  | 20.0  | 30.0  |
| 277     | 25.1  | 19.8  | 29.8  |

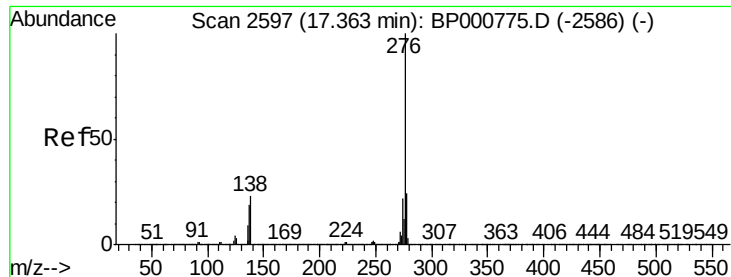


#93

Dibenzo(a,h)anthracene  
Concen: 3.117 ng/ul  
RT: 17.10 min Scan# 2552  
Delta R.T. 0.16 min  
Lab File: BP000785.D  
Acq: 15 Oct 2019 23:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.4  | 14.2  | 21.4  |
| 279     | 27.7  | 19.2  | 28.8  |





#94

Benzo(g,h,i)perylene

Concen: 14.612 ng/ul

RT: 17.36 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BP000785.D

Acq: 15 Oct 2019 23:00

Instrument :

BNA\_P

ClientSampleId :

BEPF3

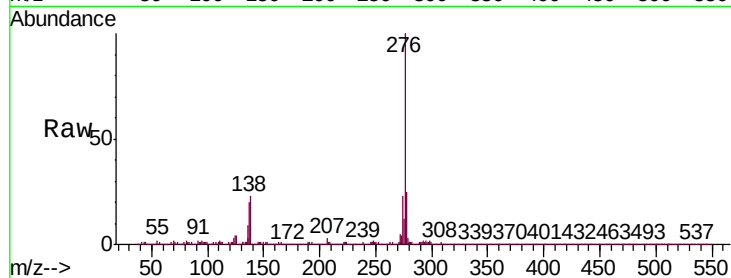
Tgt Ion: 276 Resp: 517489

Ion Ratio Lower Upper

276 100

138 22.9 18.4 27.6

277 24.6 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

