

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094361.D  
 Acq On : 14 Oct 2017 18:47  
 Operator : SJ/JU  
 Sample : I5611-02 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Oct 15 01:08:55 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 14 05:22:31 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1940     | 0.40 | ng/ul | -0.01    |
| 2) Naphthalene-d8         | 10.70 | 136  | 8388     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.52 | 164  | 4878     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.26 | 188  | 10044    | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.42 | 240  | 9409     | 0.40 | ng/ul | -0.01    |
| 20) Perylene-d12          | 23.95 | 264  | 9713     | 0.40 | ng/ul | -0.02    |

|                             |       |     |      |      |       |       |
|-----------------------------|-------|-----|------|------|-------|-------|
| System Monitoring Compounds |       |     |      |      |       |       |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152 | 1271 | 0.10 | ng/ul | -0.01 |
| 14) Fluoranthene-d10        | 19.28 | 212 | 2641 | 0.08 | ng/ul | -0.01 |

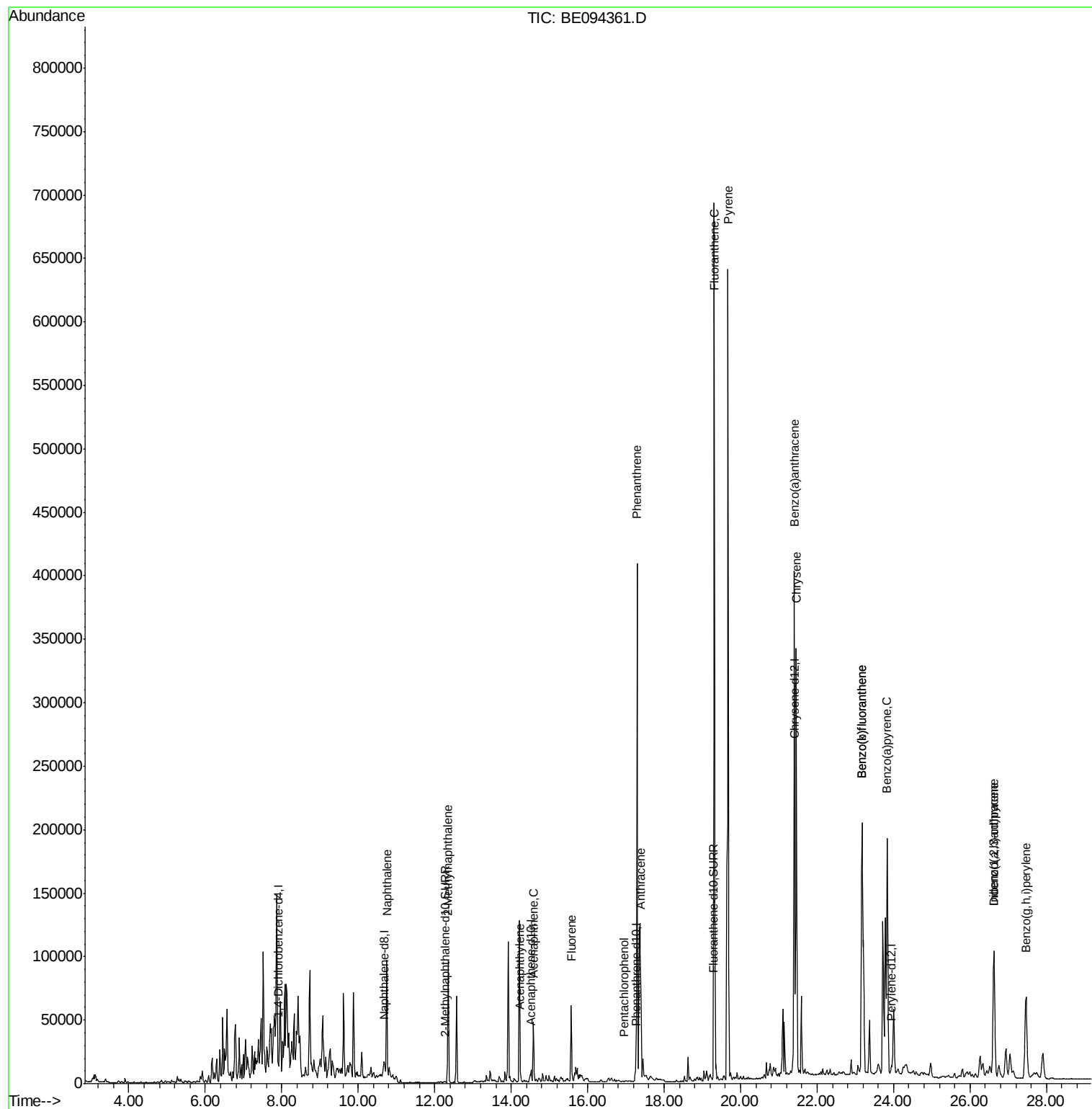
|                            |       |     |        |        |        |    |
|----------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds           |       |     |        | Ovalue |        |    |
| 3) Naphthalene             | 10.74 | 128 | 143065 | 6.963  | ng/ul# | 96 |
| 5) 2-Methylnaphthalene     | 12.35 | 142 | 82277  | 6.173  | ng/ul  | 98 |
| 7) Acenaphthylene          | 14.24 | 152 | 3679   | 0.193  | ng/ul# | 53 |
| 8) Acenaphthene            | 14.58 | 153 | 27985  | 1.787  | ng/ul  | 97 |
| 9) Fluorene                | 15.57 | 166 | 38113  | 2.079  | ng/ul  | 91 |
| 11) Pentachlorophenol      | 16.94 | 266 | 66     | 0.056  | ng/ul# | 49 |
| 12) Phenanthrene           | 17.29 | 178 | 454388 | 17.312 | ng/ul# | 87 |
| 13) Anthracene             | 17.38 | 178 | 133042 | 5.212  | ng/ul# | 88 |
| 15) Fluoranthene           | 19.31 | 202 | 752977 | 21.833 | ng/ul  | 84 |
| 17) Pyrene                 | 19.67 | 202 | 728179 | 27.815 | ng/ul# | 84 |
| 18) Benzo(a)anthracene     | 21.40 | 228 | 368637 | 14.769 | ng/ul# | 87 |
| 19) Chrysene               | 21.46 | 228 | 338023 | 11.726 | ng/ul  | 98 |
| 21) Benzo(b)fluoranthene   | 23.17 | 252 | 500849 | 18.982 | ng/ul  | 86 |
| 22) Benzo(k)fluoranthene   | 23.17 | 252 | 500849 | 16.422 | ng/ul# | 88 |
| 23) Benzo(a)pyrene         | 23.83 | 252 | 299379 | 10.919 | ng/ul# | 80 |
| 24) Indeno(1,2,3-cd)pyrene | 26.63 | 276 | 173356 | 6.181  | ng/ul# | 79 |
| 25) Dibenzo(a,h)anthracene | 26.62 | 278 | 46780  | 1.988  | ng/ul  | 96 |
| 26) Benzo(g,h,i)perylene   | 27.46 | 276 | 159512 | 6.593  | ng/ul  | 97 |

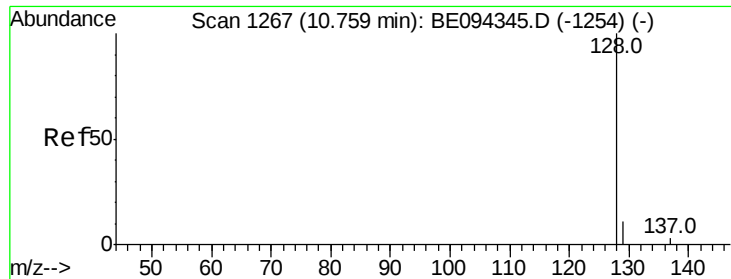
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101417\  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Oct 15 01:08:55 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 05:22:31 2017  
Response via : Initial Calibration





#3

Naphthalene

Concen: 6.963 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

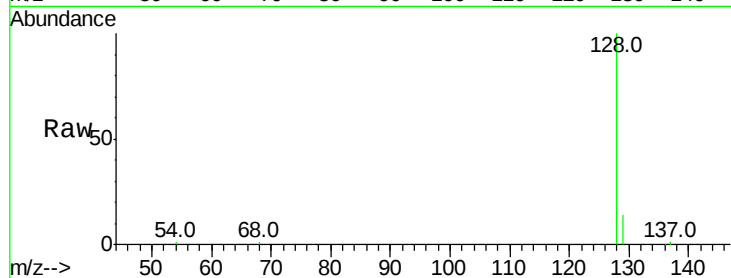
Tot Ion:128 Resp: 143065

Ion Ratio Lower Upper

128 100

129 14.0 11.3 16.9

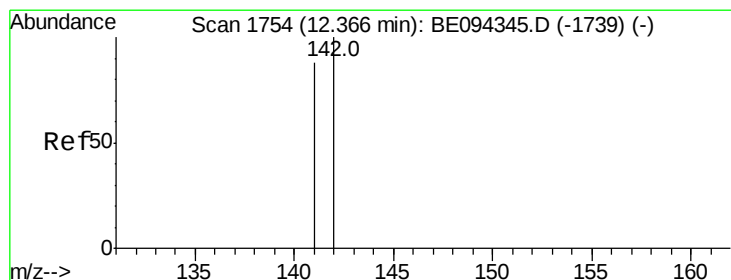
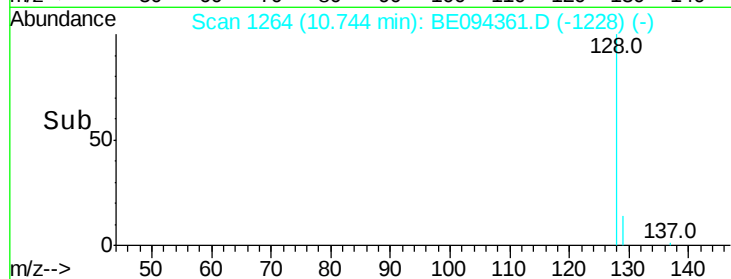
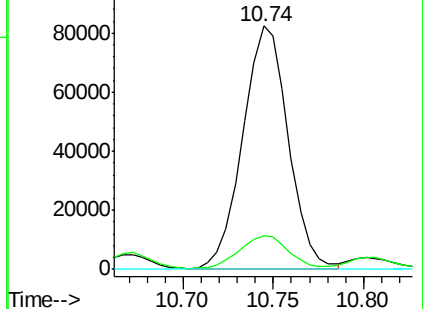
127 0.0 4.0 6.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 6.173 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094361.D

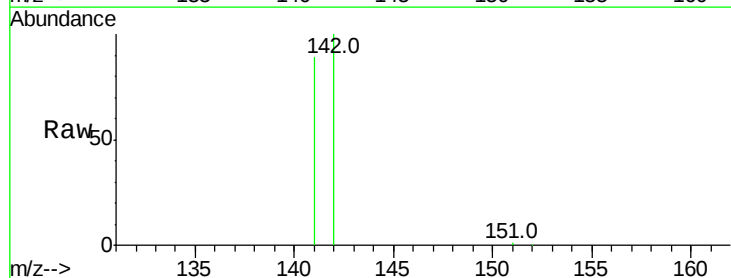
Acq: 14 Oct 2017 18:47

Tgt Ion:142 Resp: 82277

Ion Ratio Lower Upper

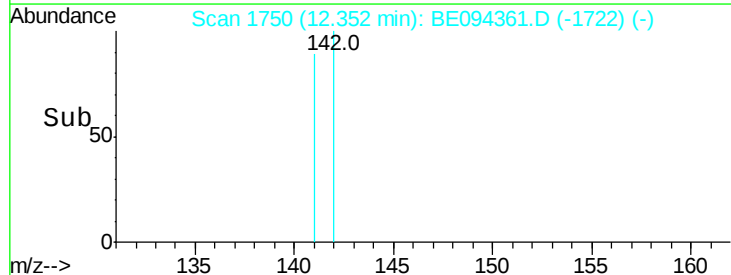
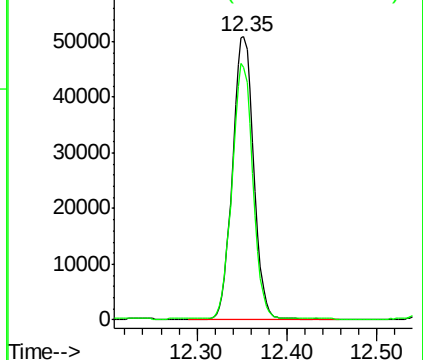
142 100

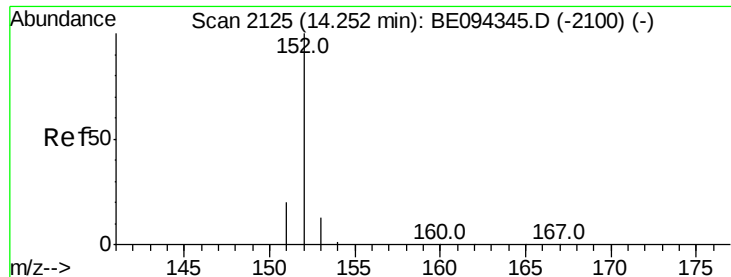
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.193 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

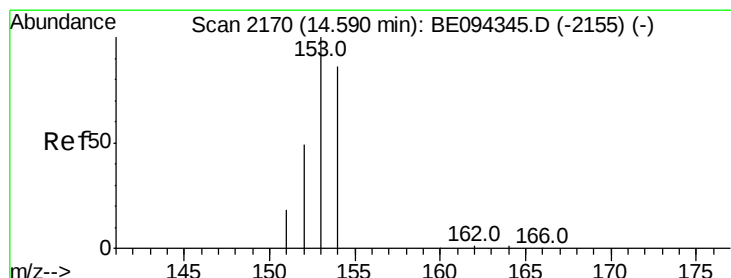
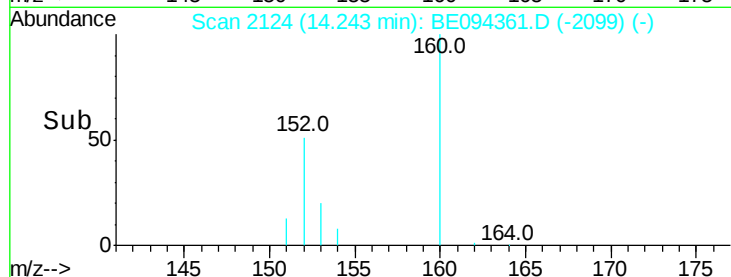
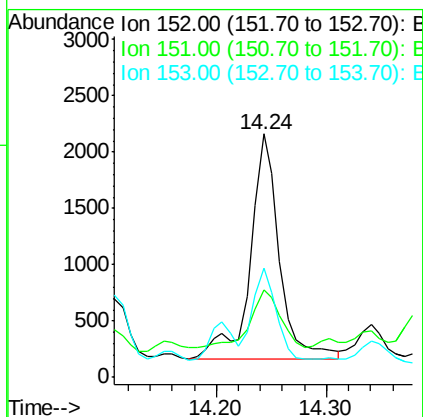
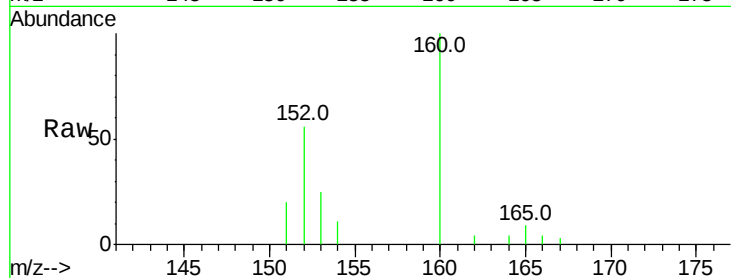
Tot Ion:152 Resp: 3679

Ion Ratio Lower Upper

152 100

151 36.0 17.1 25.7#

153 44.8 12.8 19.2#



#8

Acenaphthene

Concen: 1.787 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

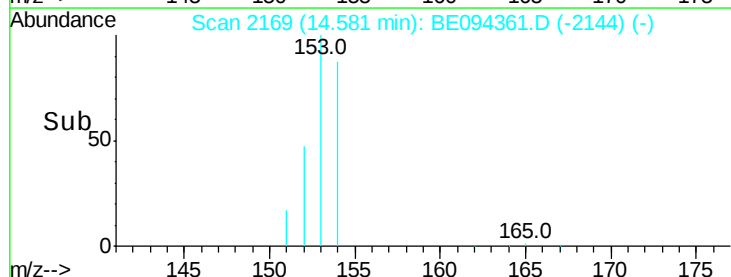
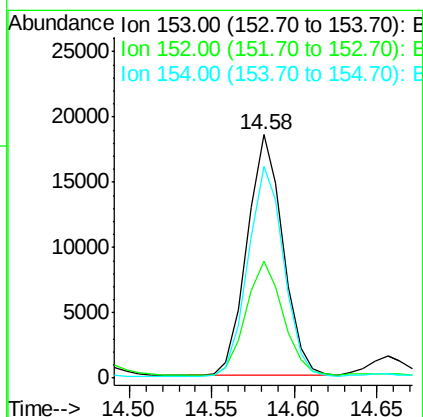
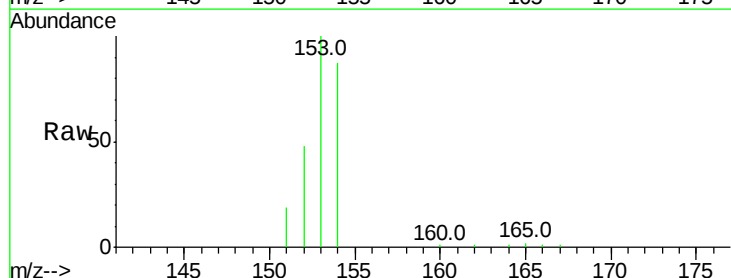
Tgt Ion:153 Resp: 27985

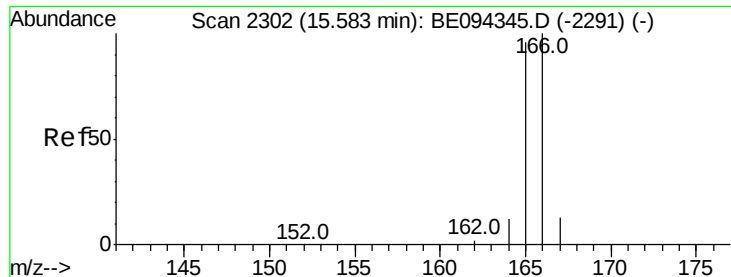
Ion Ratio Lower Upper

153 100

152 48.0 40.3 60.5

154 87.0 71.4 107.2





#9

Fluorene

Concen: 2.079 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

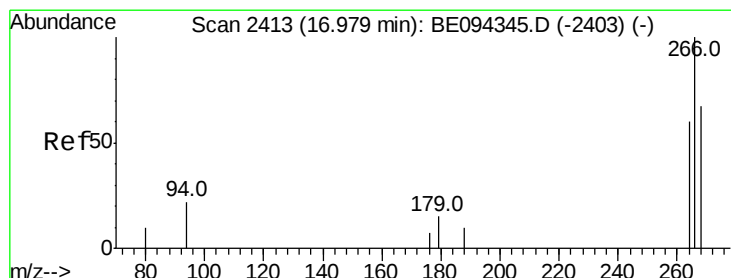
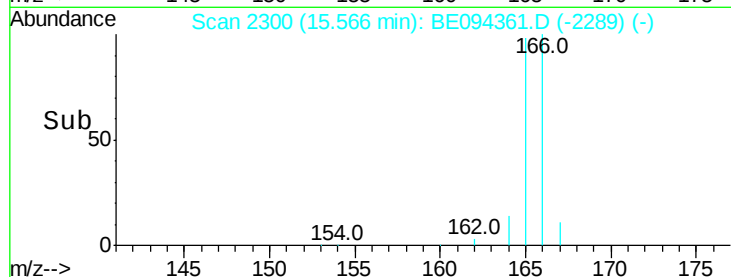
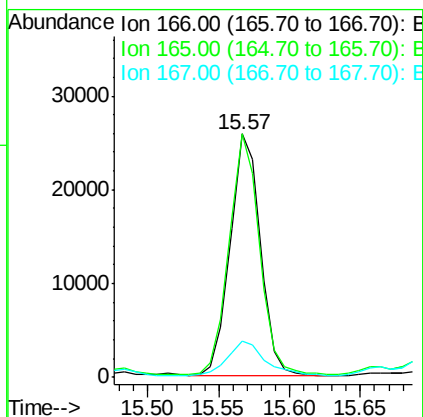
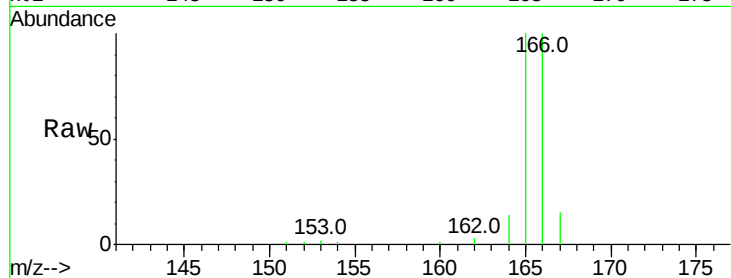
Tot Ion:166 Resp: 38113

Ion Ratio Lower Upper

166 100

165 100.0 73.4 110.2

167 14.8 14.6 22.0



#11

Pentachlorophenol

Concen: 0.056 ng/ul

RT: 16.94 min Scan# 2411

Delta R.T. -0.03 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

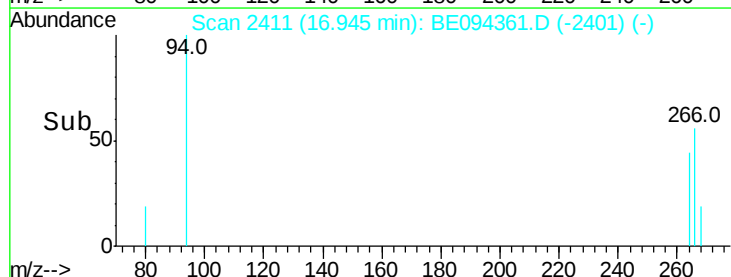
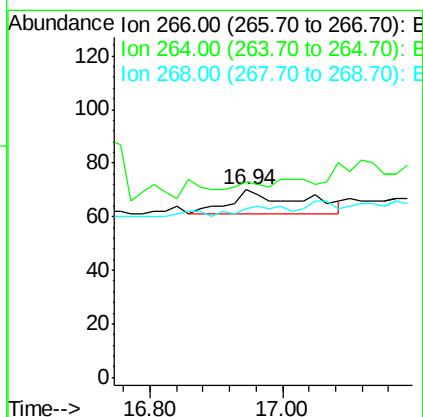
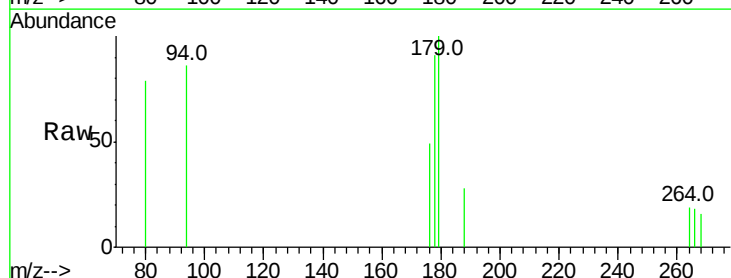
Tgt Ion:266 Resp: 66

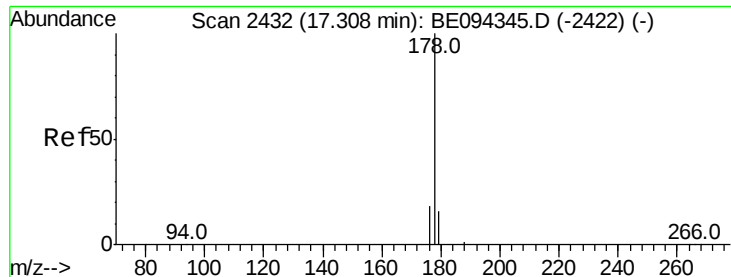
Ion Ratio Lower Upper

266 100

264 13.6 47.9 71.9#

268 30.3 49.8 74.8#





#12

Phenanthrene

Concen: 17.312 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

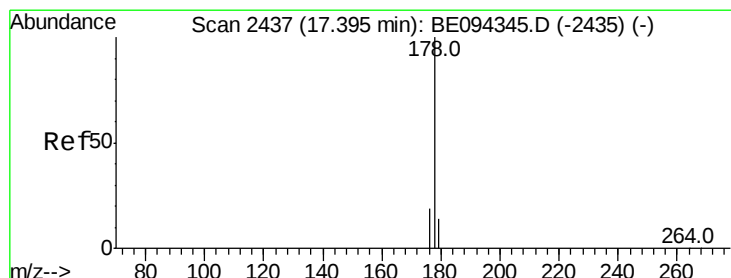
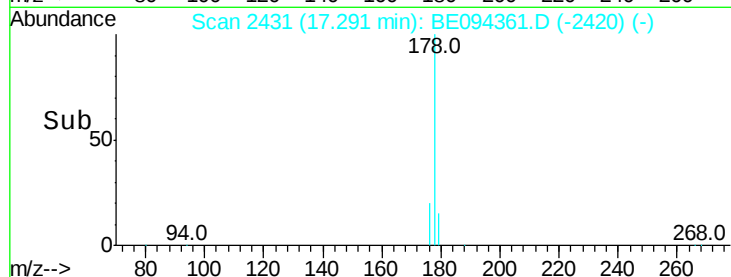
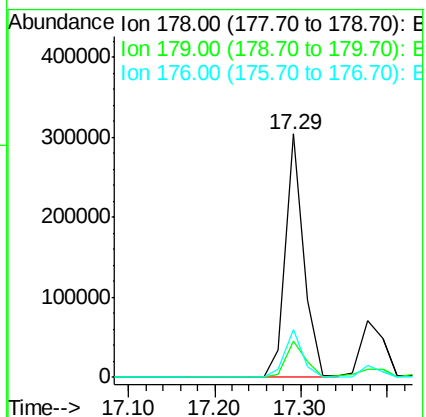
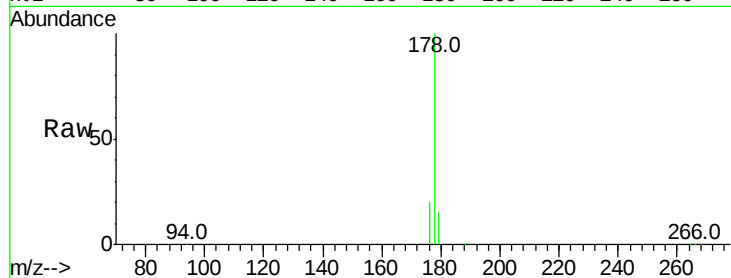
Tot Ion:178 Resp: 454388

Ion Ratio Lower Upper

178 100

179 14.7 18.4 27.6#

176 19.8 13.6 20.4



#13

Anthracene

Concen: 5.212 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

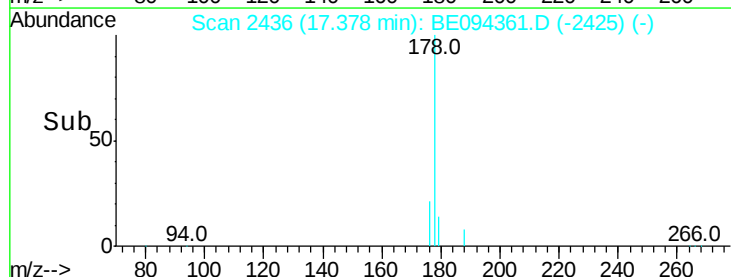
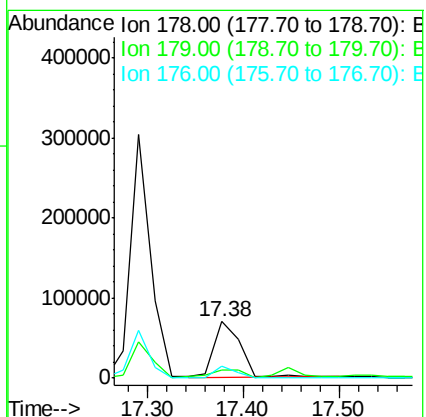
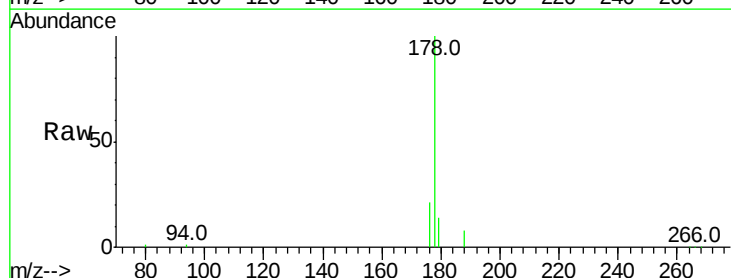
Tgt Ion:178 Resp: 133042

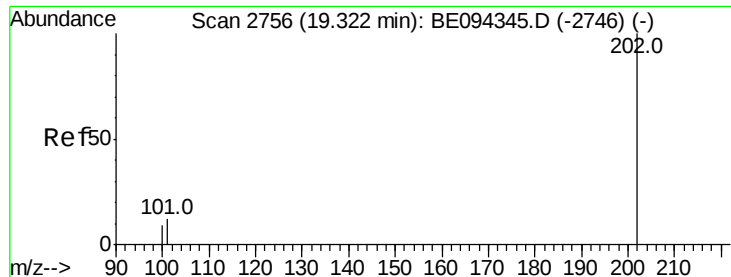
Ion Ratio Lower Upper

178 100

179 14.4 18.1 27.1#

176 21.2 14.7 22.1





#15

Fluoranthene

Concen: 21.833 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BE094361.D

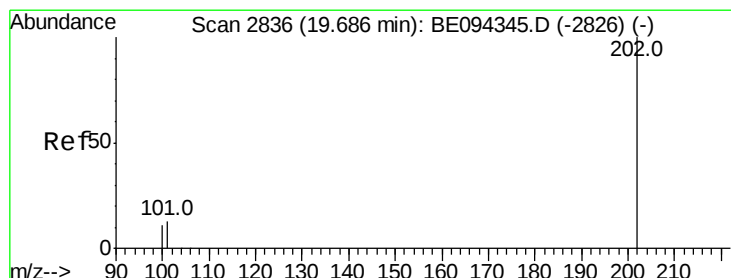
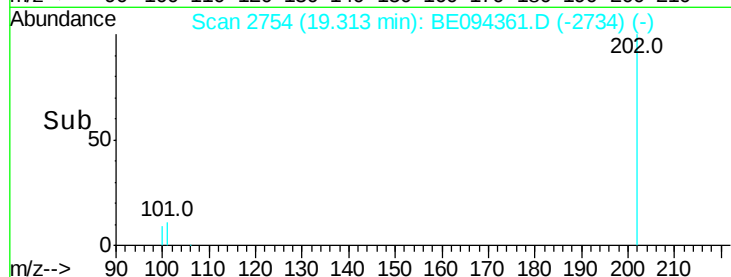
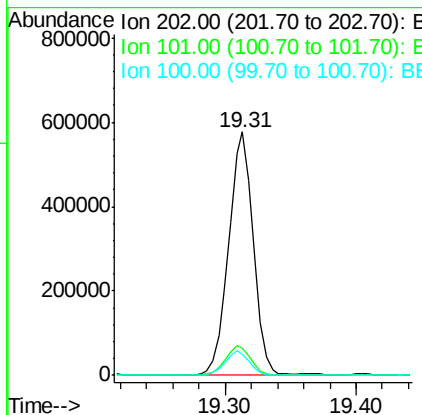
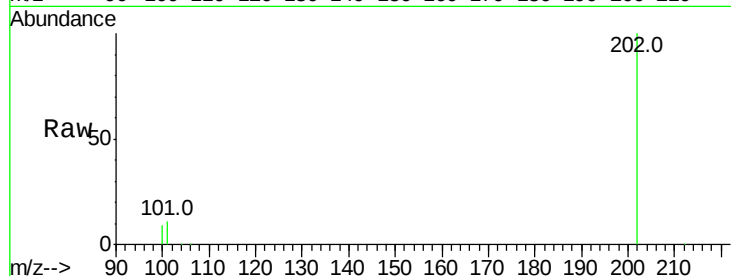
Acq: 14 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 752977 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.3  | 0.0   | 30.3   |
| 100       | 8.8   | 0.0   | 39.5   |



#17

Pyrene

Concen: 27.815 ng/ul

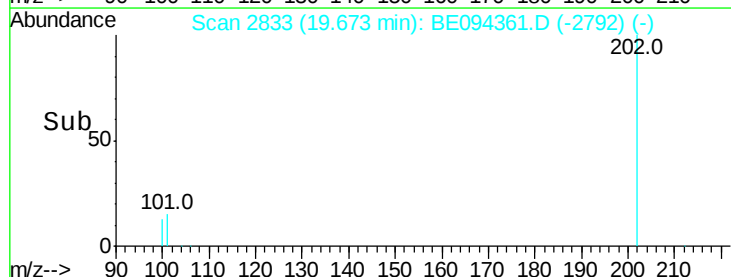
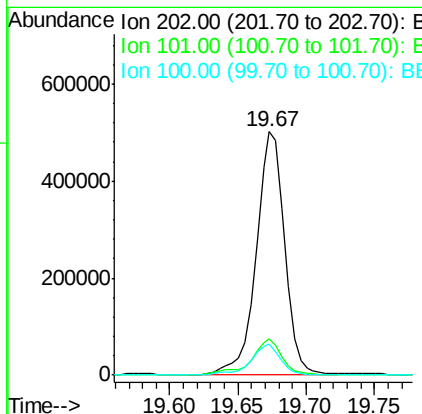
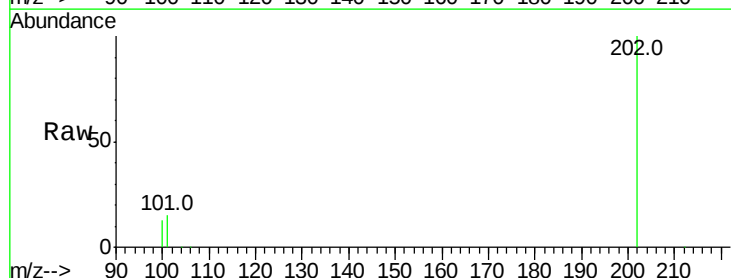
RT: 19.67 min Scan# 2833

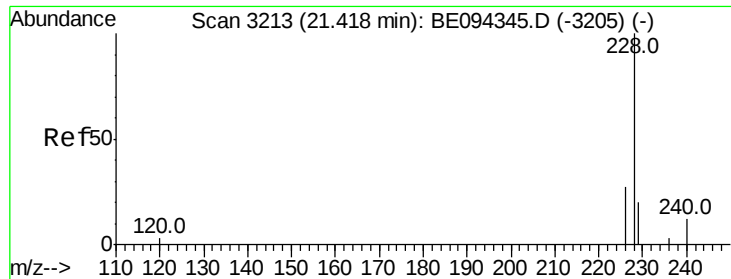
Delta R.T. -0.01 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 728179 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 14.7  | 18.2  | 27.4#  |
| 100       | 12.6  | 15.6  | 23.4#  |





#18

Benzo(a)anthracene

Concen: 14.769 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.01 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

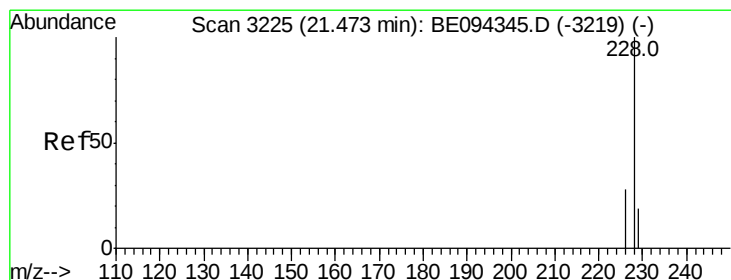
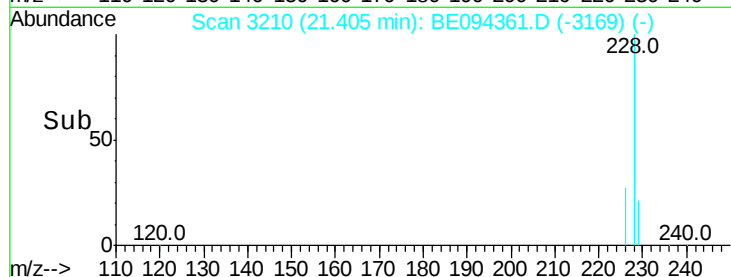
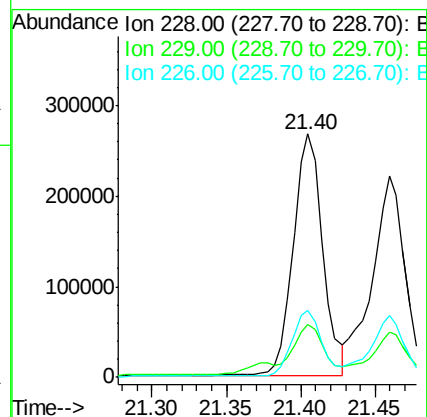
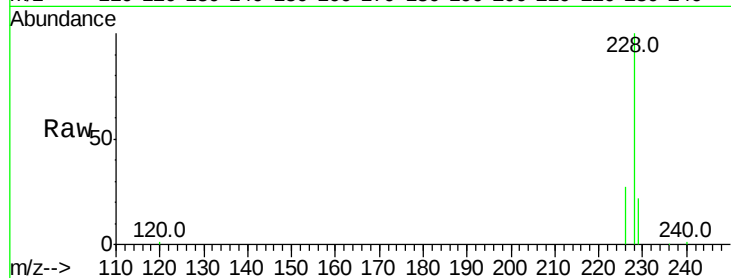
Tot Ion:228 Resp: 368637

Ion Ratio Lower Upper

228 100

229 21.5 22.8 34.2#

226 27.3 17.0 25.6#



#19

Chrysene

Concen: 11.726 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

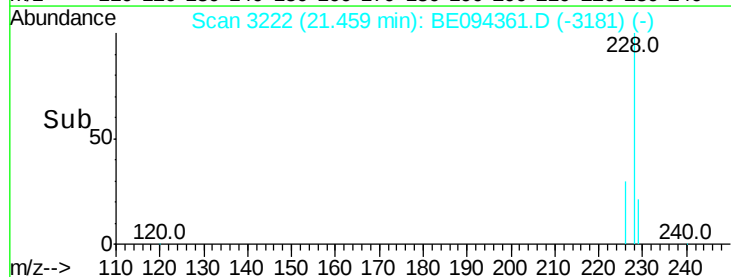
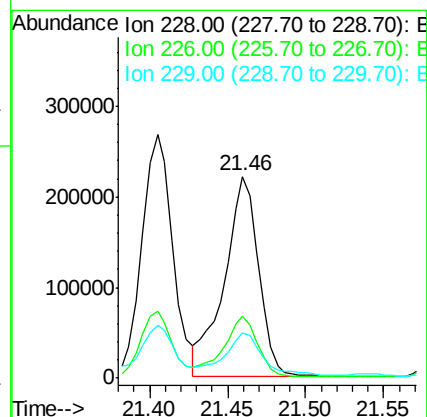
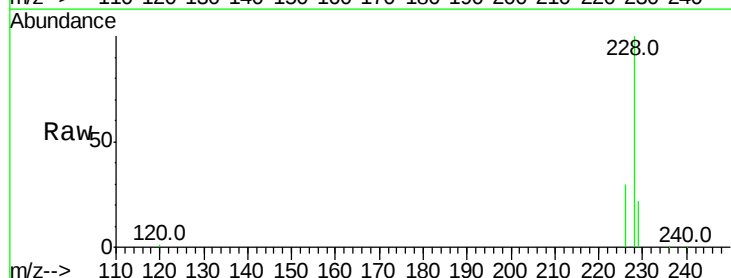
Tgt Ion:228 Resp: 338023

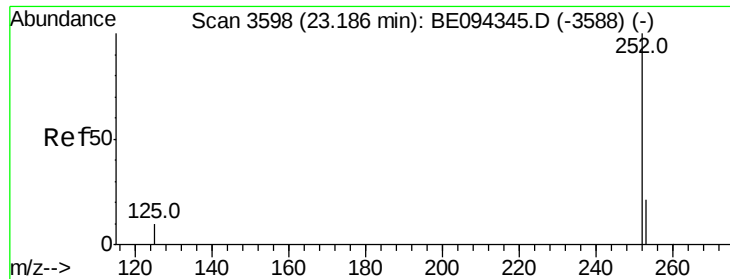
Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

229 22.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 18.982 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

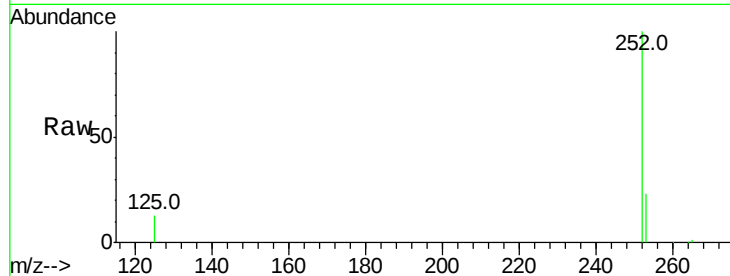
Tot Ion:252 Resp: 500849

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

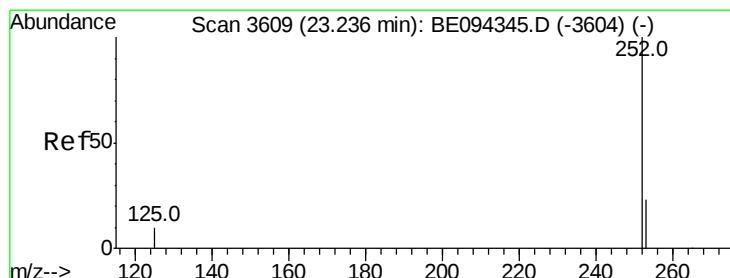
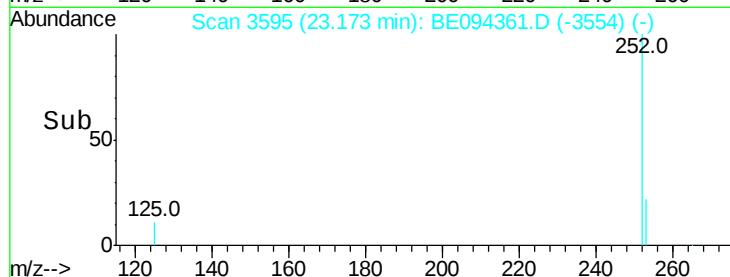
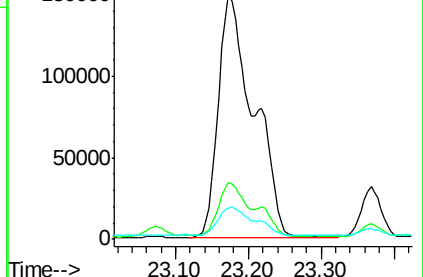
125 13.0 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 16.422 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

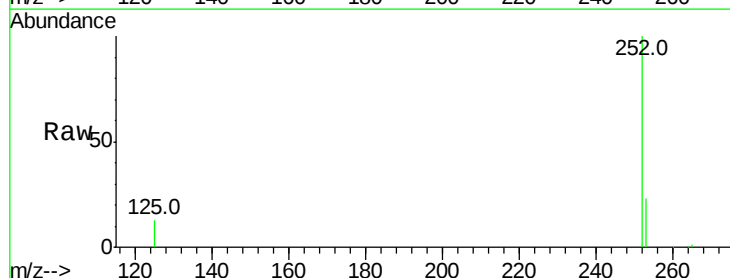
Tgt Ion:252 Resp: 500849

Ion Ratio Lower Upper

252 100

253 23.2 24.5 36.7#

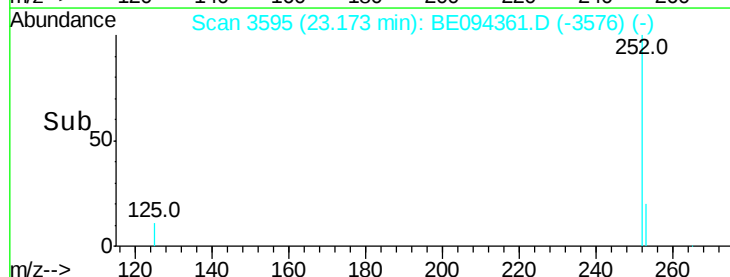
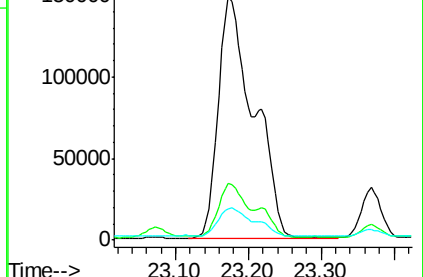
125 13.0 13.7 20.5#

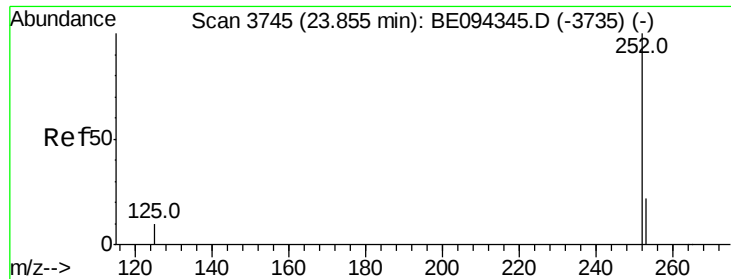


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 10.919 ng/ul

RT: 23.83 min Scan# 3740

Delta R.T. -0.02 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

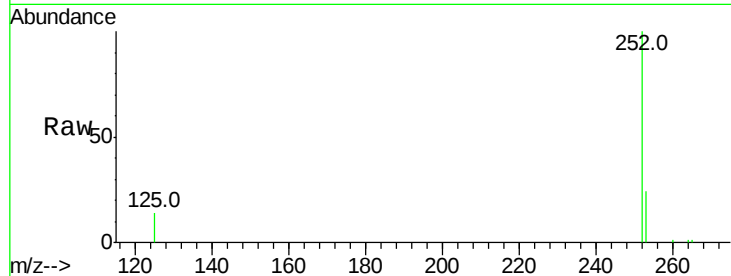
Tot Ion:252 Resp: 299379

Ion Ratio Lower Upper

252 100

253 23.5 28.5 42.7#

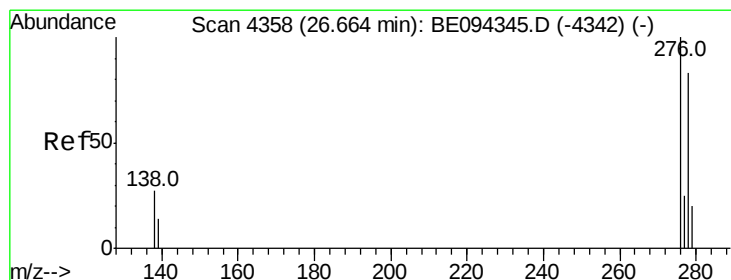
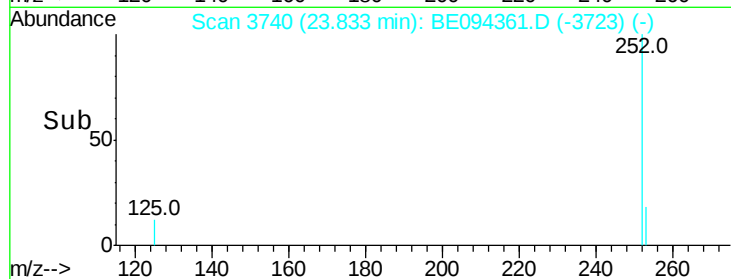
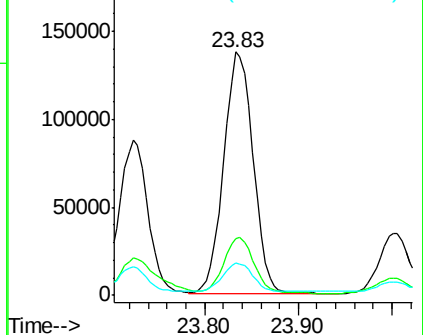
125 13.5 18.1 27.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 6.181 ng/ul

RT: 26.63 min Scan# 4350

Delta R.T. -0.04 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

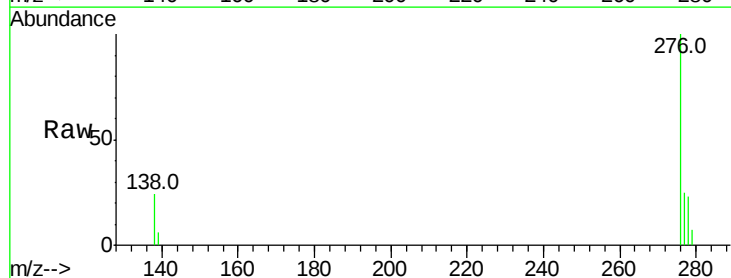
Tgt Ion:276 Resp: 173356

Ion Ratio Lower Upper

276 100

138 23.9 28.0 42.0#

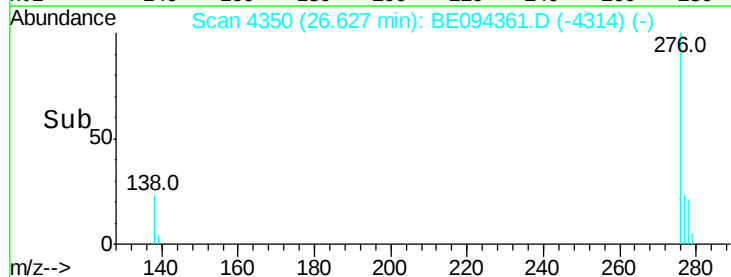
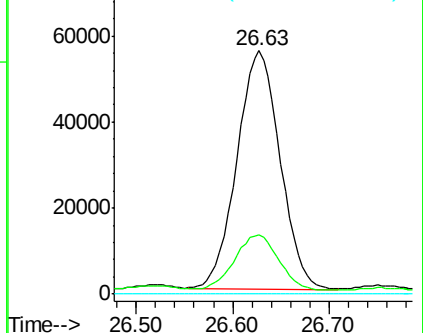
227 0.0 8.0 12.0#

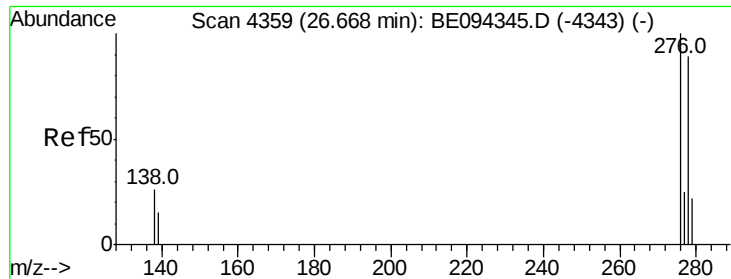


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.988 ng/ul

RT: 26.62 min Scan# 4349

Delta R.T. -0.05 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

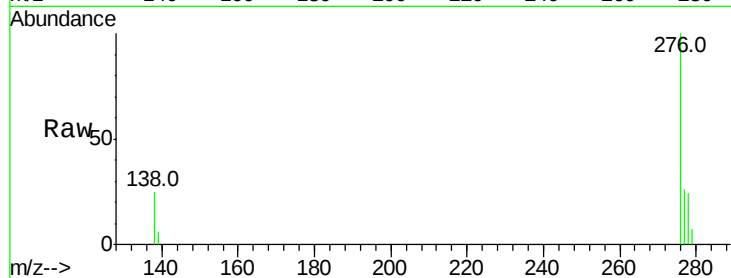
Tot Ion:278 Resp: 46780

Ion Ratio Lower Upper

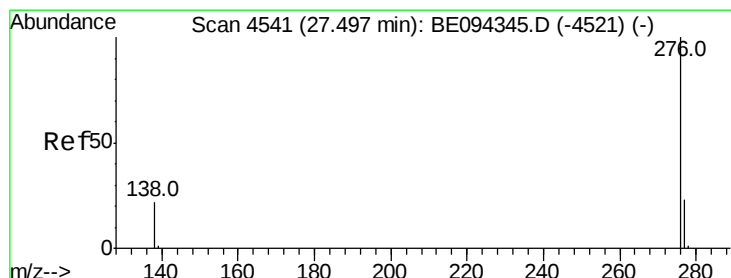
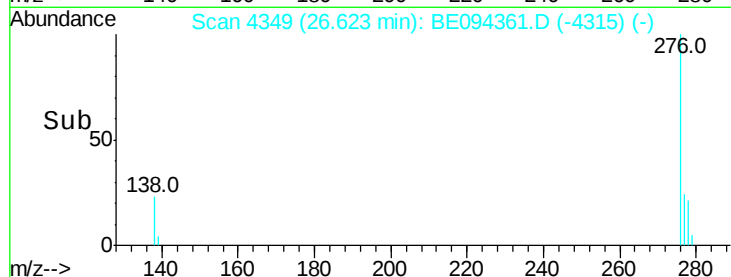
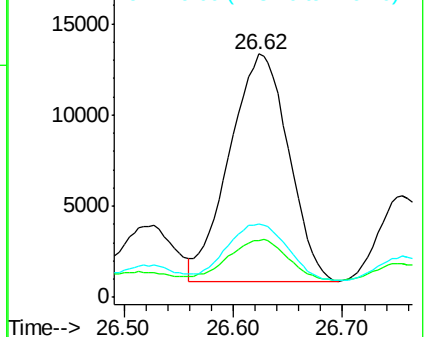
278 100

139 23.4 17.4 26.0

279 29.9 25.9 38.9



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 6.593 ng/ul

RT: 27.46 min Scan# 4533

Delta R.T. -0.04 min

Lab File: BE094361.D

Acq: 14 Oct 2017 18:47

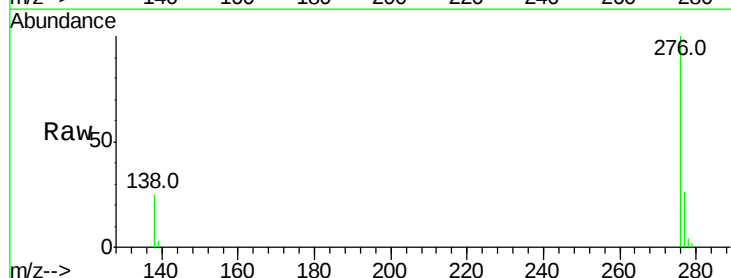
Tgt Ion:276 Resp: 159512

Ion Ratio Lower Upper

276 100

138 24.8 21.8 32.8

277 25.5 20.5 30.7



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

