

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080118\  
 Data File : BE097132.D  
 Acq On : 1 Aug 2018 16:11  
 Operator : SJ/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Aug 01 16:50:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 01 16:16:30 2018  
 Response via : Initial Calibration

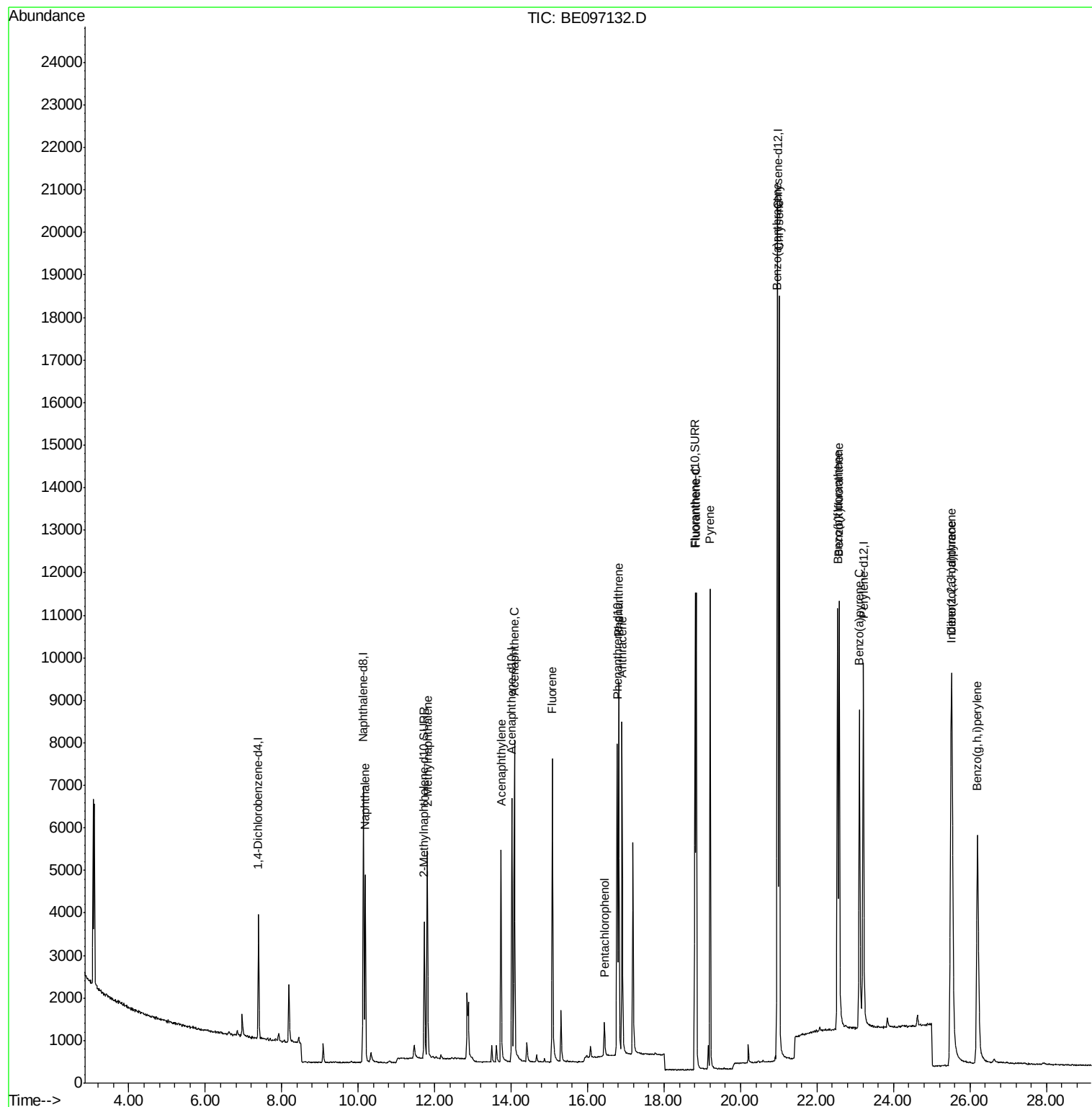
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.40  | 152  | 1440     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.13 | 136  | 6920     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.02 | 164  | 3742     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.77 | 188  | 9903     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 20.97 | 240  | 12294    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.21 | 264  | 11793    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.73 | 152  | 4439     | 0.40   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.81 | 212  | 12895    | 0.38   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.18 | 128  | 6652     | 0.397  | ng/ul# | 93       |
| 5) 2-Methylnaphthalene      | 11.81 | 142  | 4306     | 0.389  | ng/ul  | 98       |
| 7) Acenaphthylene           | 13.74 | 152  | 6342     | 0.392  | ng/ul  | 97       |
| 8) Acenaphthene             | 14.08 | 153  | 4637     | 0.396  | ng/ul  | 95       |
| 9) Fluorene                 | 15.08 | 166  | 5234     | 0.389  | ng/ul  | 94       |
| 11) Pentachlorophenol       | 16.44 | 266  | 483      | 0.340  | ng/ul  | 96       |
| 12) Phenanthrene            | 16.81 | 178  | 9942     | 0.394  | ng/ul# | 89       |
| 13) Anthracene              | 16.90 | 178  | 9157     | 0.389  | ng/ul# | 91       |
| 15) Fluoranthene            | 18.84 | 202  | 12688    | 0.380  | ng/ul  | 84       |
| 17) Pyrene                  | 19.21 | 202  | 13326    | 0.405  | ng/ul# | 78       |
| 18) Benzo(a)anthracene      | 20.96 | 228  | 13786    | 0.392  | ng/ul# | 86       |
| 19) Chrysene                | 21.01 | 228  | 14329    | 0.396  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.54 | 252  | 13086    | 0.407  | ng/ul  | 84       |
| 22) Benzo(k)fluoranthene    | 22.58 | 252  | 13732    | 0.396  | ng/ul# | 86       |
| 23) Benzo(a)pyrene          | 23.11 | 252  | 12534    | 0.390  | ng/ul# | 78       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.50 | 276  | 15841    | 0.394  | ng/ul# | 77       |
| 25) Dibenzo(a,h)anthracene  | 25.53 | 278  | 13012    | 0.395  | ng/ul# | 88       |
| 26) Benzo(g,h,i)perylene    | 26.20 | 276  | 14062    | 0.404  | ng/ul# | 92       |

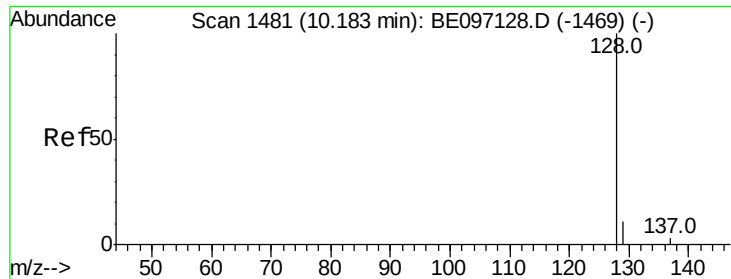
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080118\  
Data File : BE097132.D  
Acq On : 1 Aug 2018 16:11  
Operator : SJ/JU  
Sample : SSTDICV0.4  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :

Quant Time: Aug 01 16:50:31 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 01 16:16:30 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.397 ng/ul

RT: 10.18 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BE097132.D

Acq: 1 Aug 2018 16:11

Instrument :

BNA\_E

ClientSampleId :

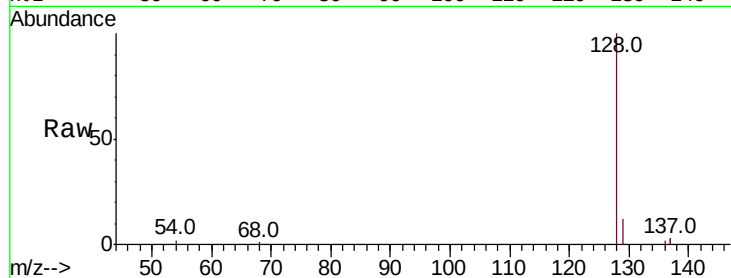
Tot Ion:128 Resp: 6652

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

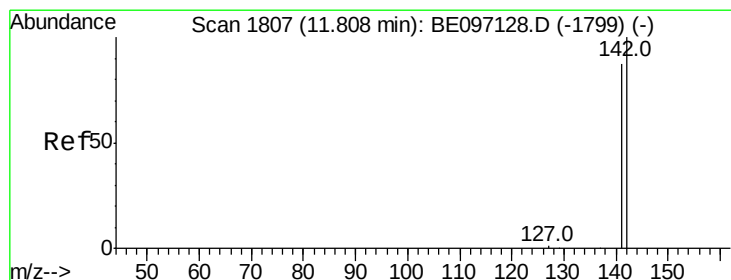
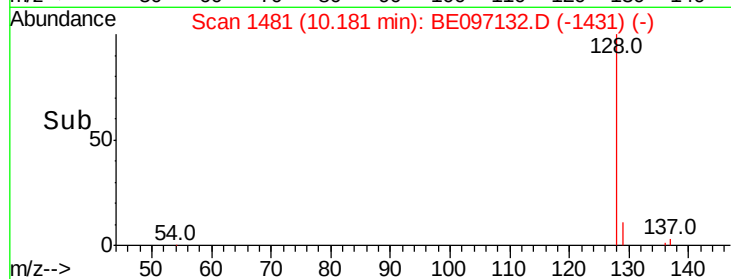
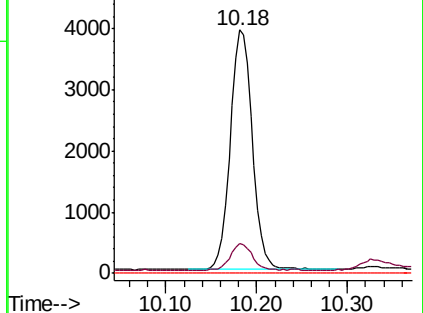
127 0.0 4.0 6.0#



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: 0.389 ng/ul

RT: 11.81 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BE097132.D

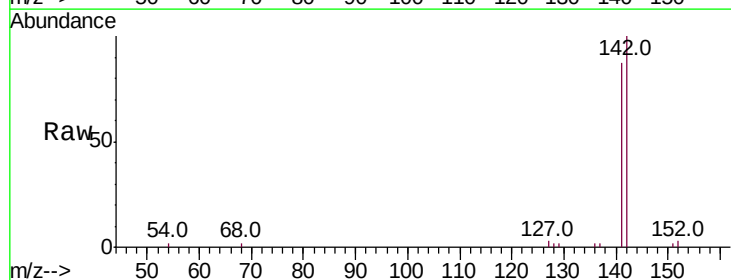
Acq: 1 Aug 2018 16:11

Tgt Ion:142 Resp: 4306

Ion Ratio Lower Upper

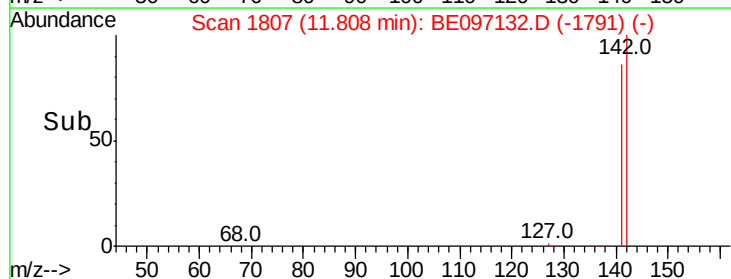
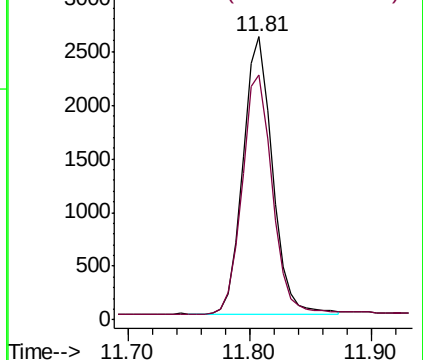
142 100

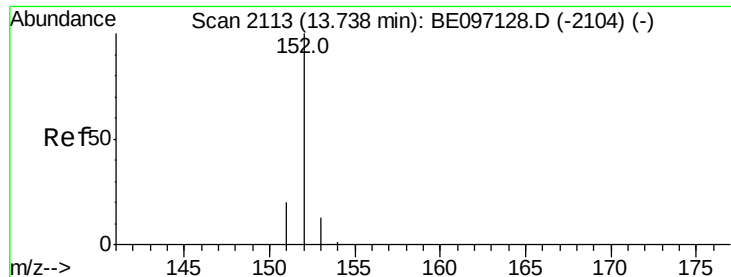
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.392 ng/ul

RT: 13.74 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE097132.D

Acq: 1 Aug 2018 16:11

Instrument :

BNA\_E

ClientSampleId :

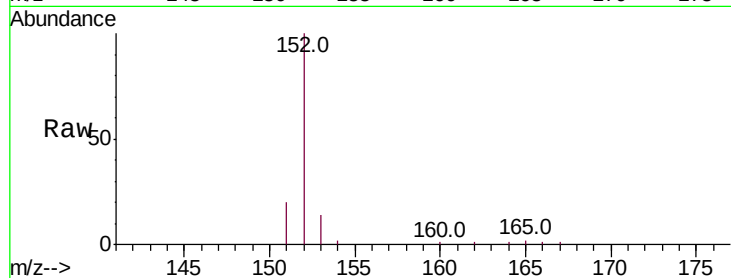
Tot Ion:152 Resp: 6342

Ion Ratio Lower Upper

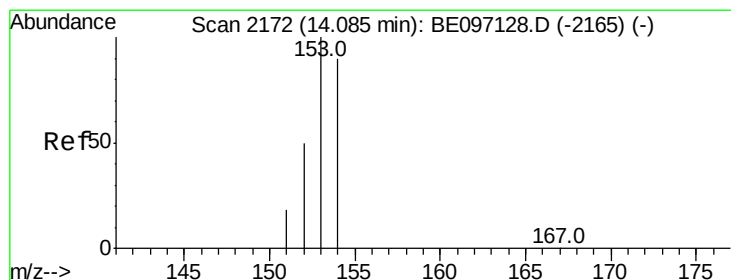
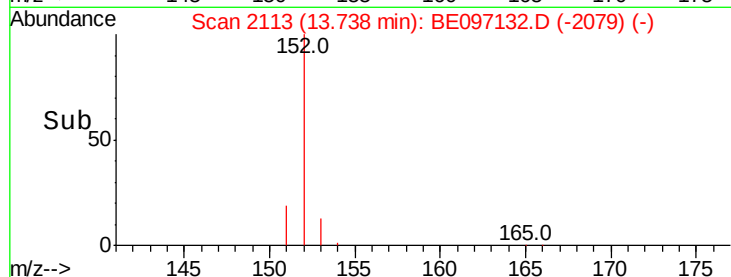
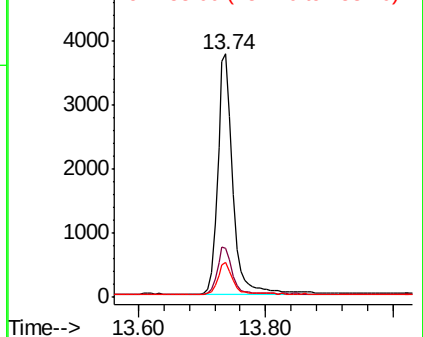
152 100

151 20.1 17.1 25.7

153 14.1 12.8 19.2



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



#8

Acenaphthene

Concen: 0.396 ng/ul

RT: 14.08 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BE097132.D

Acq: 1 Aug 2018 16:11

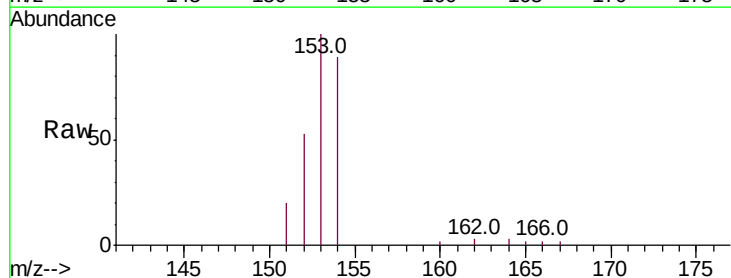
Tgt Ion:153 Resp: 4637

Ion Ratio Lower Upper

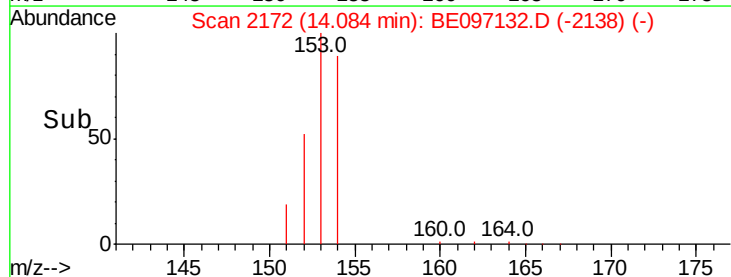
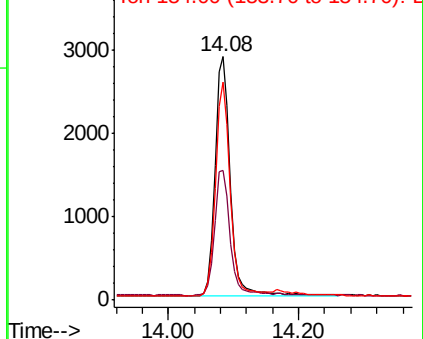
153 100

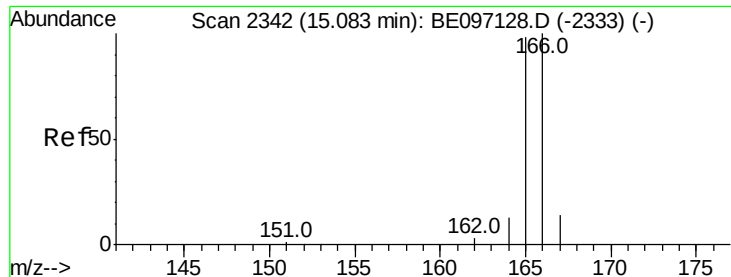
152 53.4 36.0 54.0

154 89.5 72.0 108.0



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

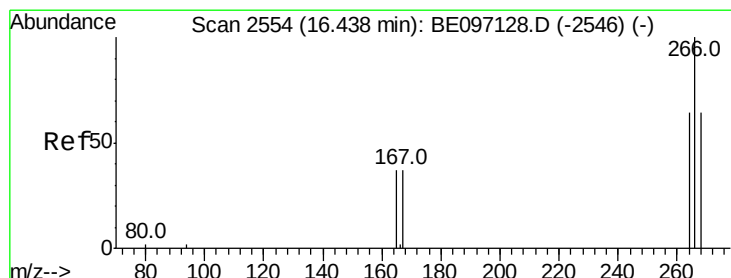
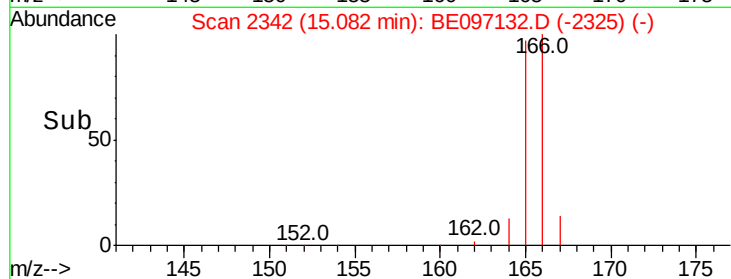
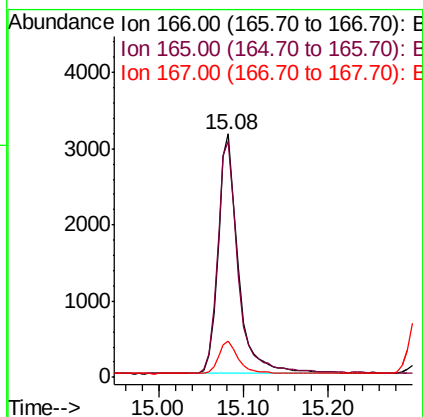
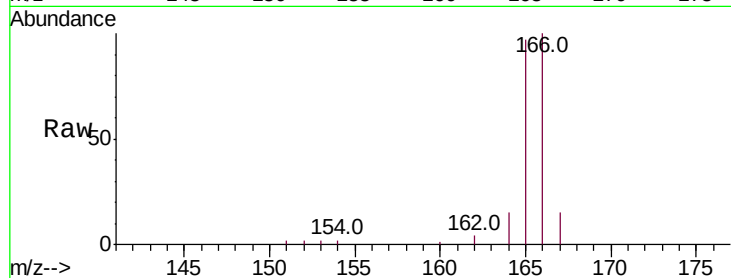




#9  
**Fluorene**  
 Concen: 0.389 ng/ul  
 RT: 15.08 min Scan# 2342  
 Delta R.T. -0.00 min  
 Lab File: BE097132.D  
 Acq: 1 Aug 2018 16:11

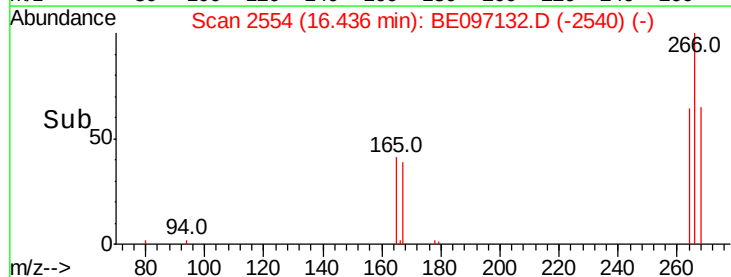
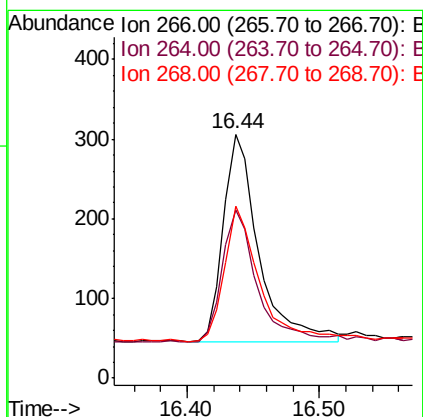
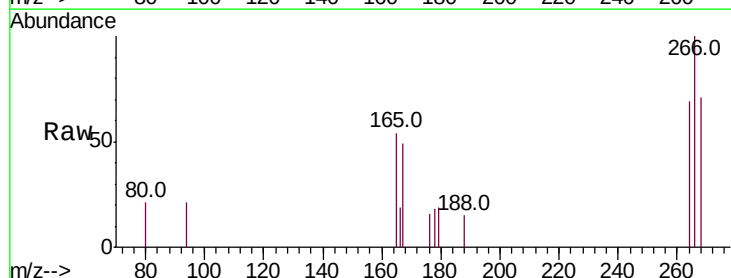
Instrument :  
 BNA\_E  
 ClientSampleId :

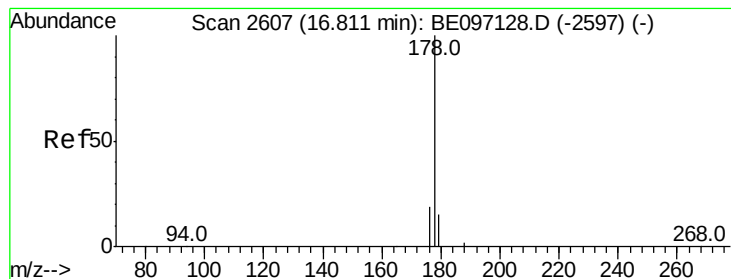
Tot Ion:166 Resp: 5234  
 Ion Ratio Lower Upper  
 166 100  
 165 96.8 73.4 110.2  
 167 15.1 14.6 22.0



#11  
**Pentachlorophenol**  
 Concen: 0.340 ng/ul  
 RT: 16.44 min Scan# 2554  
 Delta R.T. -0.00 min  
 Lab File: BE097132.D  
 Acq: 1 Aug 2018 16:11

Tgt Ion:266 Resp: 483  
 Ion Ratio Lower Upper  
 266 100  
 264 62.9 47.9 71.9  
 268 64.8 49.8 74.8





#12

Phenanthrene

Concen: 0.394 ng/ul

RT: 16.81 min Scan# 2607

Delta R.T. -0.00 min

Lab File: BE097132.D

Acq: 1 Aug 2018 16:11

Instrument :

BNA\_E

ClientSampleId :

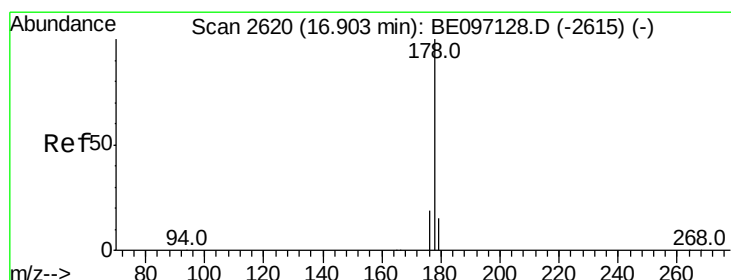
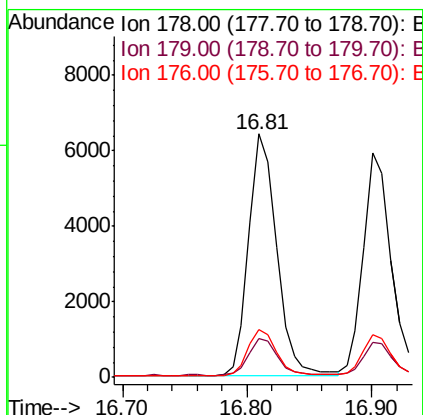
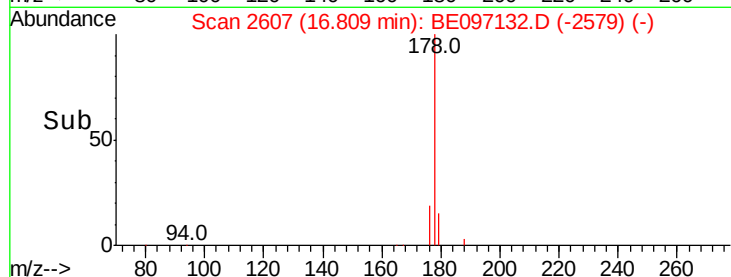
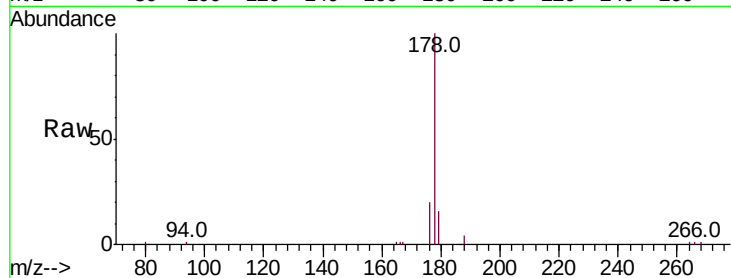
Tot Ion:178 Resp: 9942

Ion Ratio Lower Upper

178 100

179 15.8 18.4 27.6#

176 19.5 13.6 20.4



#13

Anthracene

Concen: 0.389 ng/ul

RT: 16.90 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE097132.D

Acq: 1 Aug 2018 16:11

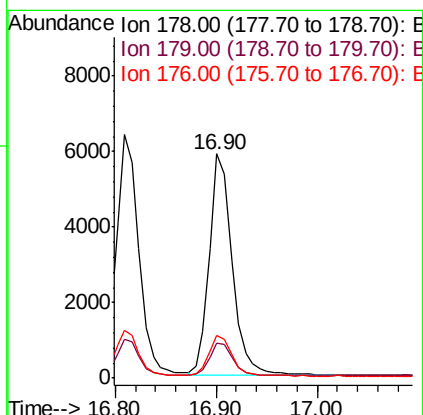
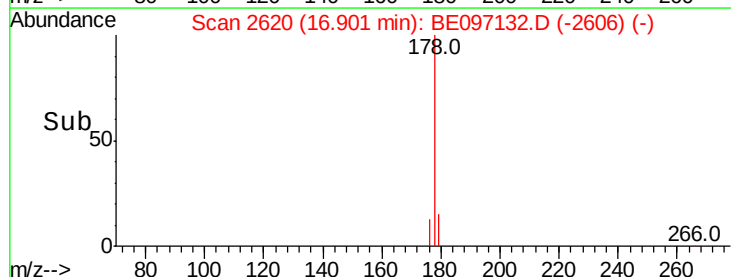
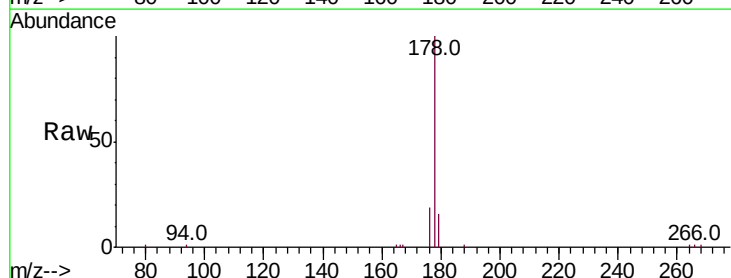
Tgt Ion:178 Resp: 9157

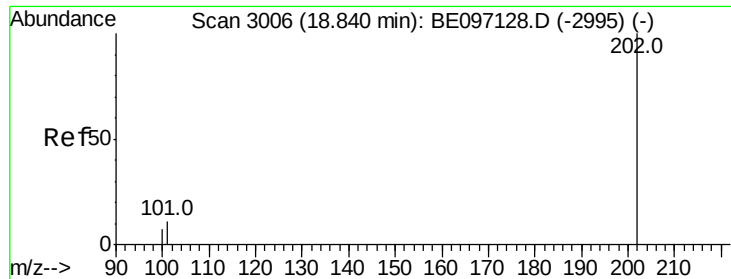
Ion Ratio Lower Upper

178 100

179 15.6 18.1 27.1#

176 19.0 14.7 22.1

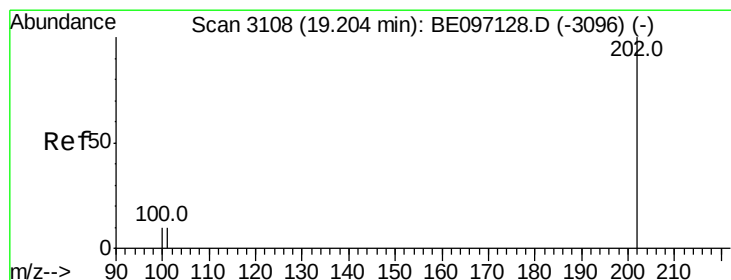
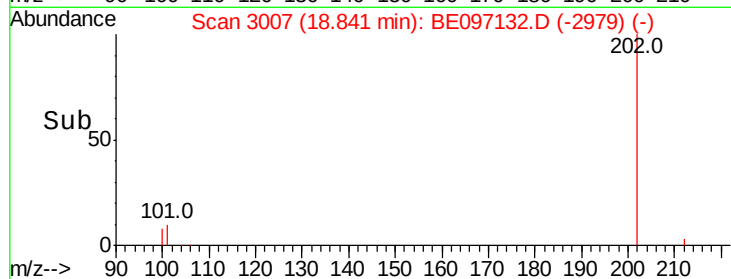
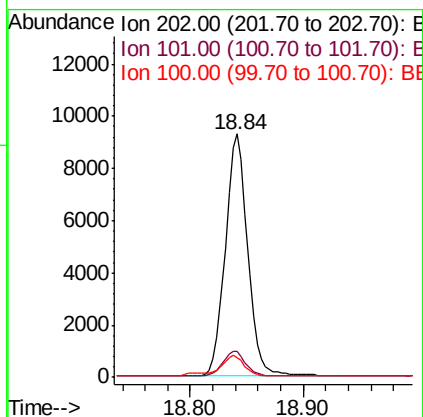
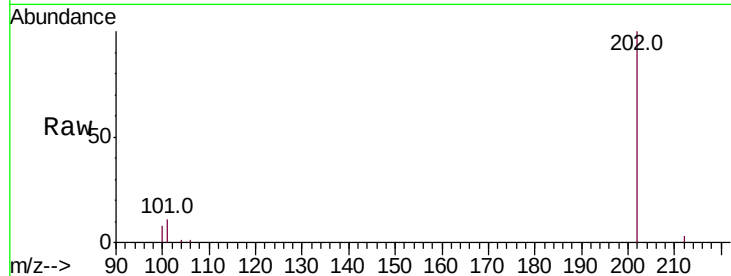




#15  
 Fluoranthene  
 Concen: 0.380 ng/ul  
 RT: 18.84 min Scan# 3007  
 Delta R.T. 0.00 min  
 Lab File: BE097132.D  
 Acq: 1 Aug 2018 16:11

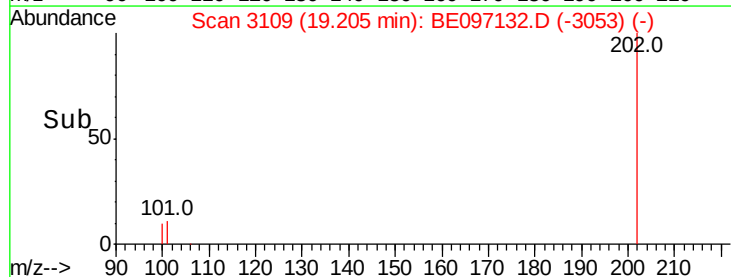
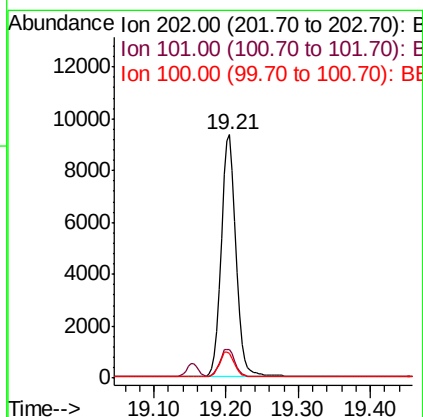
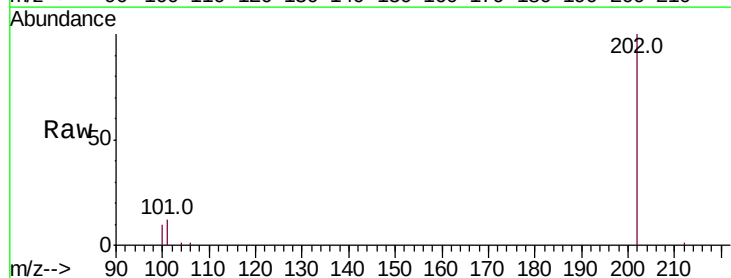
Instrument :  
 BNA\_E  
 ClientSampleId :

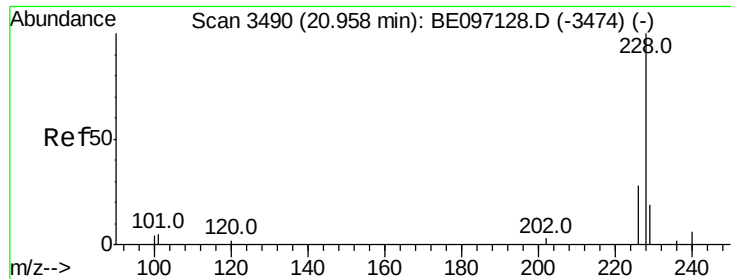
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.6  | 0.0   | 30.3  |
| 100     | 8.2   | 0.0   | 39.5  |



#17  
 Pyrene  
 Concen: 0.405 ng/ul  
 RT: 19.21 min Scan# 3109  
 Delta R.T. 0.00 min  
 Lab File: BE097132.D  
 Acq: 1 Aug 2018 16:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.8  | 18.2  | 27.4# |
| 100     | 10.2  | 15.6  | 23.4# |





#18

Benzo(a)anthracene

Concen: 0.392 ng/ul

RT: 20.96 min Scan# 3491

Delta R.T. 0.00 min

Lab File: BE097132.D

Acq: 1 Aug 2018 16:11

Instrument :

BNA\_E

ClientSampled :

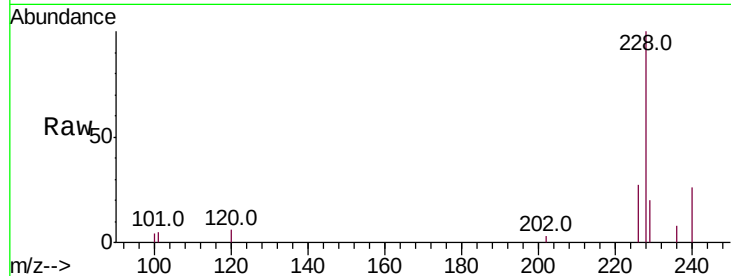
Tot Ion:228 Resp: 13786

Ion Ratio Lower Upper

228 100

229 20.1 22.8 34.2#

226 27.1 17.0 25.6#

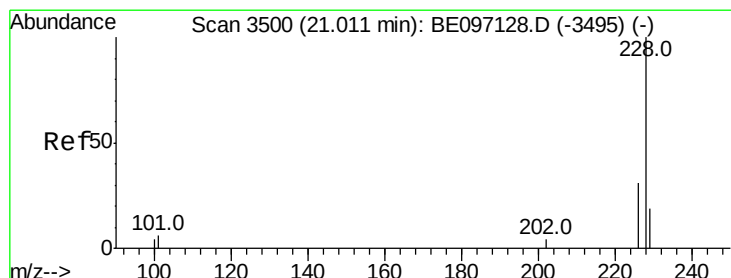
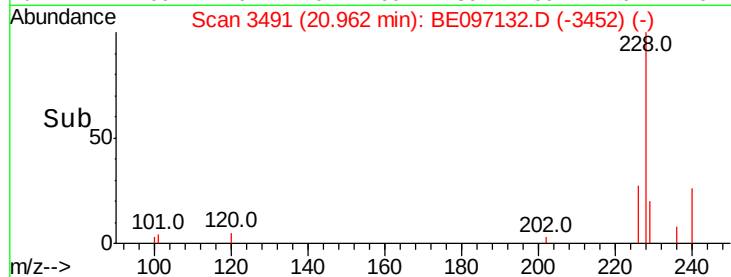
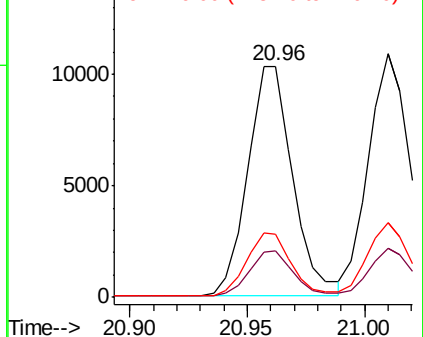


Abundance

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



#19

Chrysene

Concen: 0.396 ng/ul

RT: 21.01 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BE097132.D

Acq: 1 Aug 2018 16:11

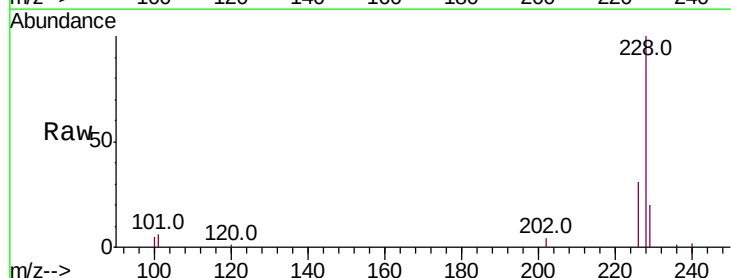
Tgt Ion:228 Resp: 14329

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

229 20.0 17.7 26.5

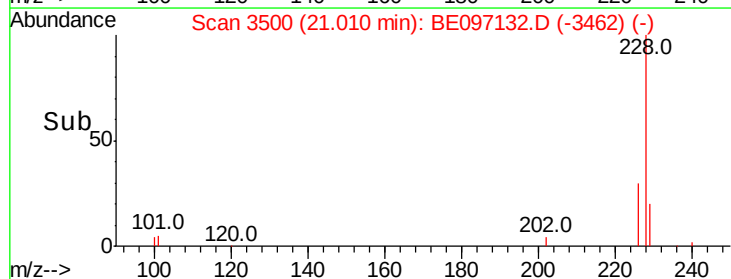
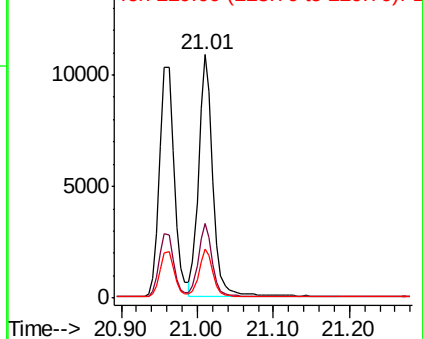


Abundance

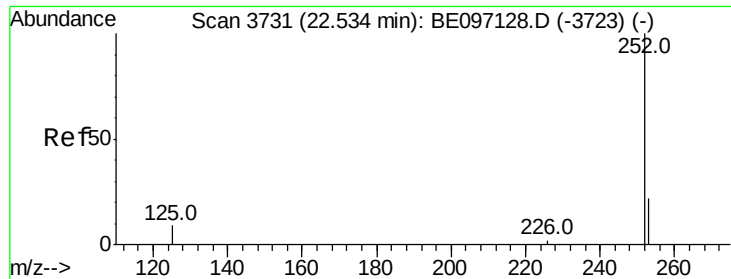
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



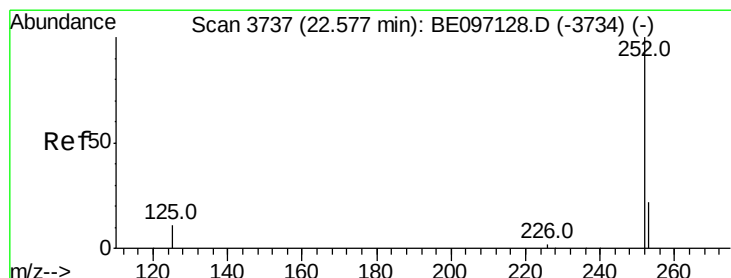
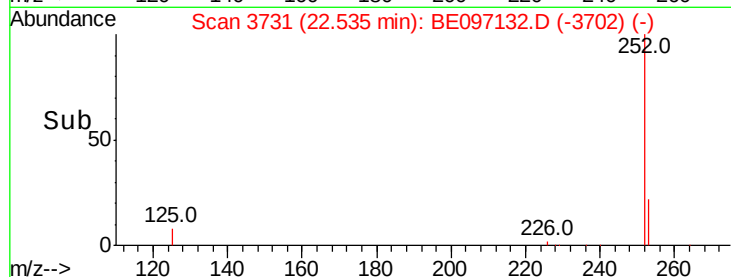
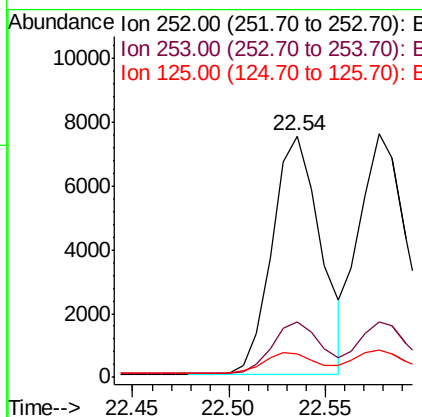
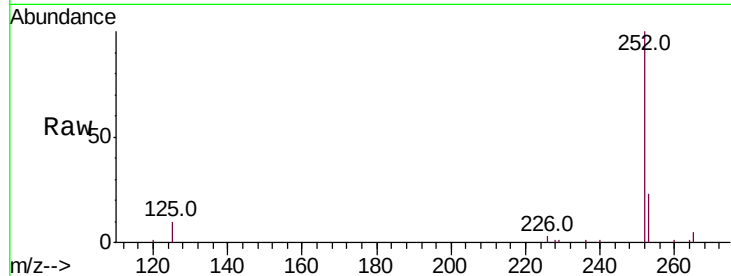




#21  
Benzo(b)fluoranthene  
Concen: 0.407 ng/ul  
RT: 22.54 min Scan# 3731  
Delta R.T. 0.00 min  
Lab File: BE097132.D  
Acq: 1 Aug 2018 16:11

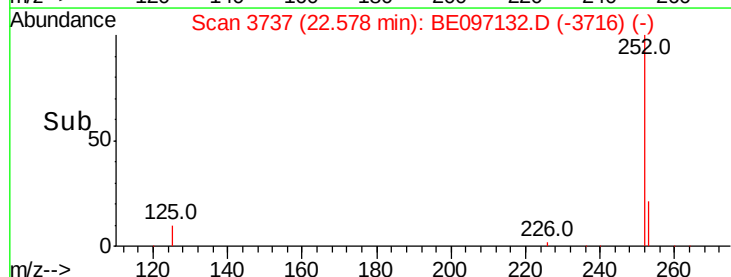
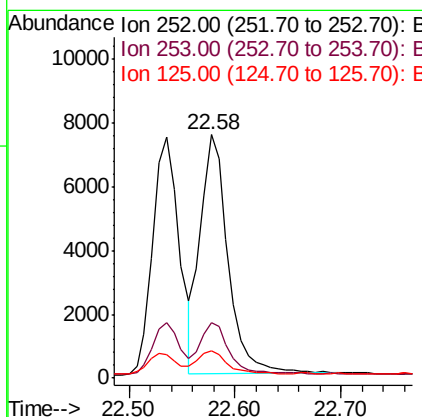
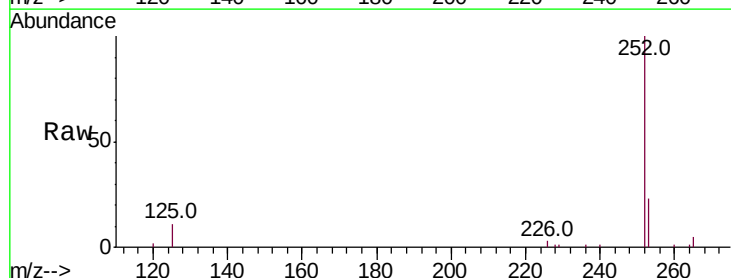
Instrument :  
BNA\_E  
ClientSampleId :

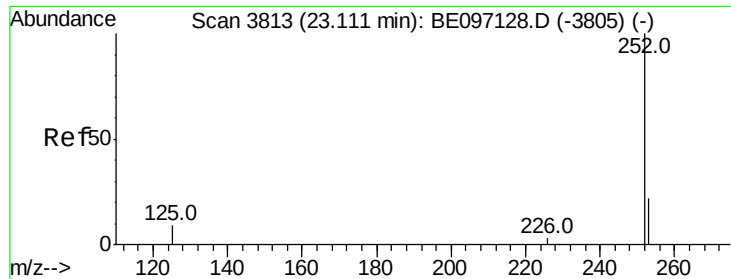
Tot Ion:252 Resp: 13086  
Ion Ratio Lower Upper  
252 100  
253 23.2 0.0 64.2  
125 10.0 0.0 35.0



#22  
Benzo(k)fluoranthene  
Concen: 0.396 ng/ul  
RT: 22.58 min Scan# 3737  
Delta R.T. 0.00 min  
Lab File: BE097132.D  
Acq: 1 Aug 2018 16:11

Tgt Ion:252 Resp: 13732  
Ion Ratio Lower Upper  
252 100  
253 22.7 24.5 36.7#  
125 11.4 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.390 ng/ul

RT: 23.11 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE097132.D

Acq: 1 Aug 2018 16:11

Instrument :

BNA\_E

ClientSampleId :

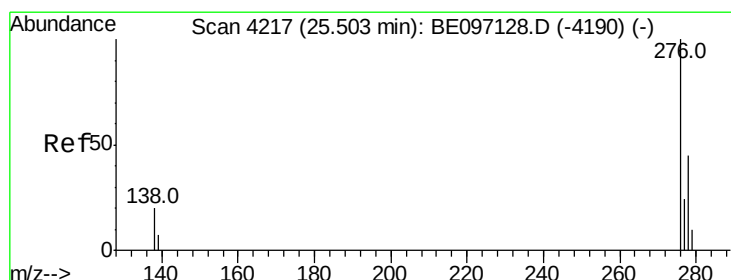
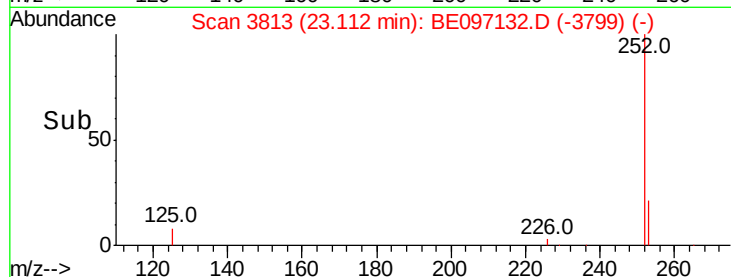
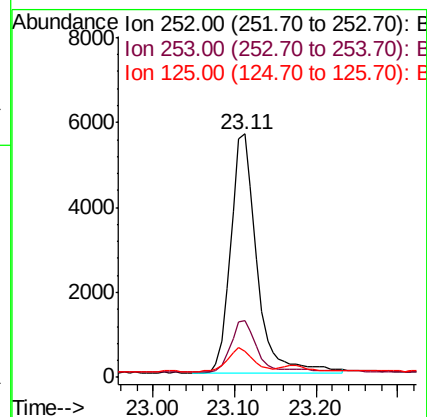
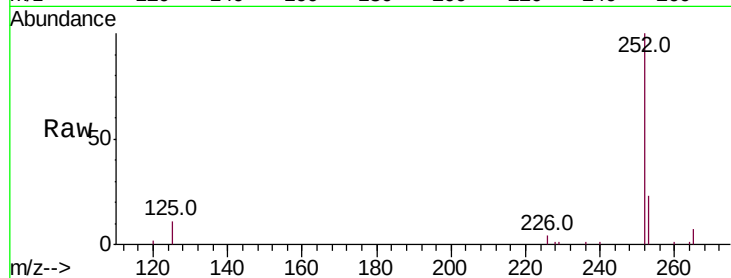
Tot Ion:252 Resp: 12534

Ion Ratio Lower Upper

252 100

253 23.3 28.5 42.7#

125 10.9 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.394 ng/ul

RT: 25.50 min Scan# 4217

Delta R.T. -0.00 min

Lab File: BE097132.D

Acq: 1 Aug 2018 16:11

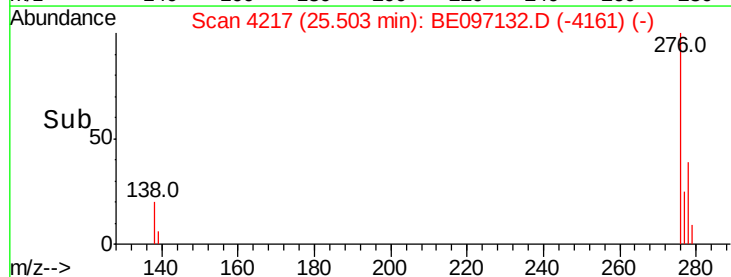
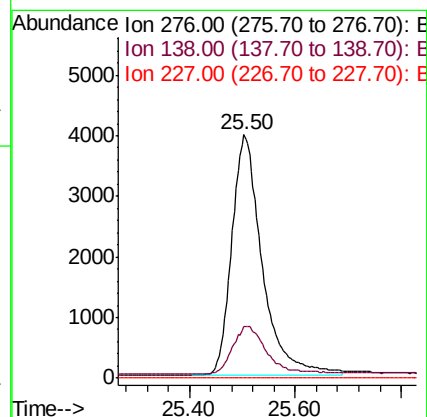
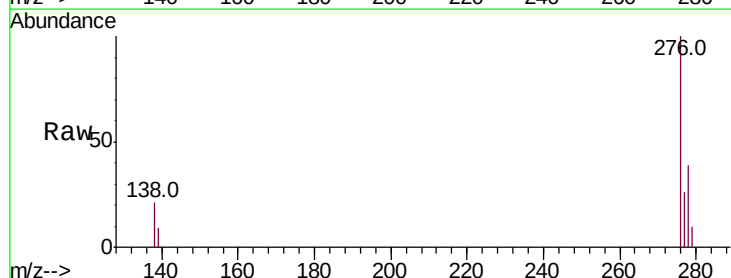
Tgt Ion:276 Resp: 15841

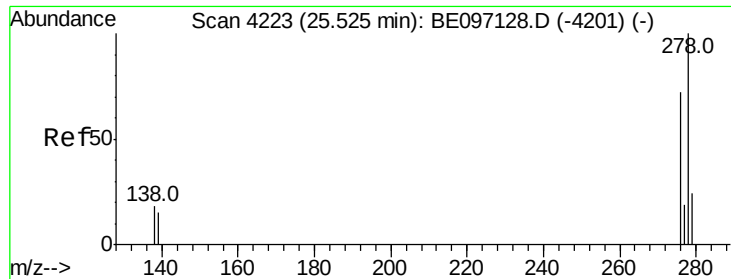
Ion Ratio Lower Upper

276 100

138 22.1 28.0 42.0#

227 0.0 8.0 12.0#

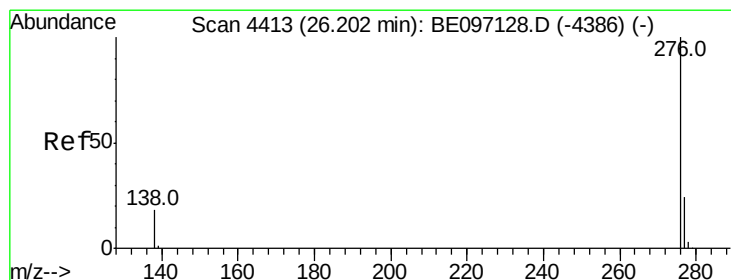
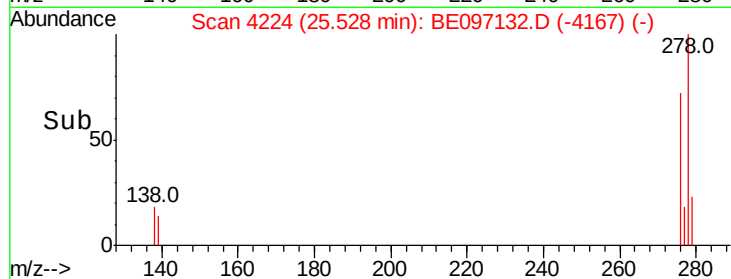
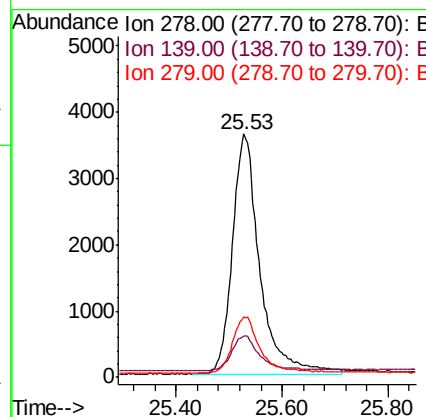
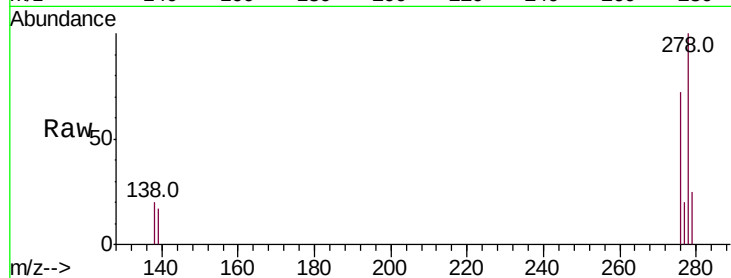




#25  
Dibenzo(a,h)anthracene  
Concen: 0.395 ng/ul  
RT: 25.53 min Scan# 4224  
Delta R.T. 0.00 min  
Lab File: BE097132.D  
Acq: 1 Aug 2018 16:11

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:278 Resp: 13012  
Ion Ratio Lower Upper  
278 100  
139 16.8 17.4 26.0#  
279 24.9 25.9 38.9#



#26  
Benzo(g,h,i)perylene  
Concen: 0.404 ng/ul  
RT: 26.20 min Scan# 4412  
Delta R.T. -0.00 min  
Lab File: BE097132.D  
Acq: 1 Aug 2018 16:11

Tgt Ion:276 Resp: 14062  
Ion Ratio Lower Upper  
276 100  
138 19.6 21.8 32.8#  
277 24.7 20.5 30.7

