

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080118\  
 Data File : BE097137.D  
 Acq On : 1 Aug 2018 20:00  
 Operator : SJ/JU  
 Sample : J4149-13  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Aug 02 01:04:00 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 | 7.39  | 152  | 1470     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.13 | 136  | 7385     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.02 | 164  | 4575     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.87 | 188  | 884561   | 0.40 | ng/ul | 0.10     |
| 16) Chrysene-d12          | 0.00  | 240  | 0        | 0.00 | ng/ul | -20.97   |
| 20) Perylene-d12          | 23.21 | 264  | 18472    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 11.73 | 152  | 4433     | 0.37 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00 | ng/ul |          |

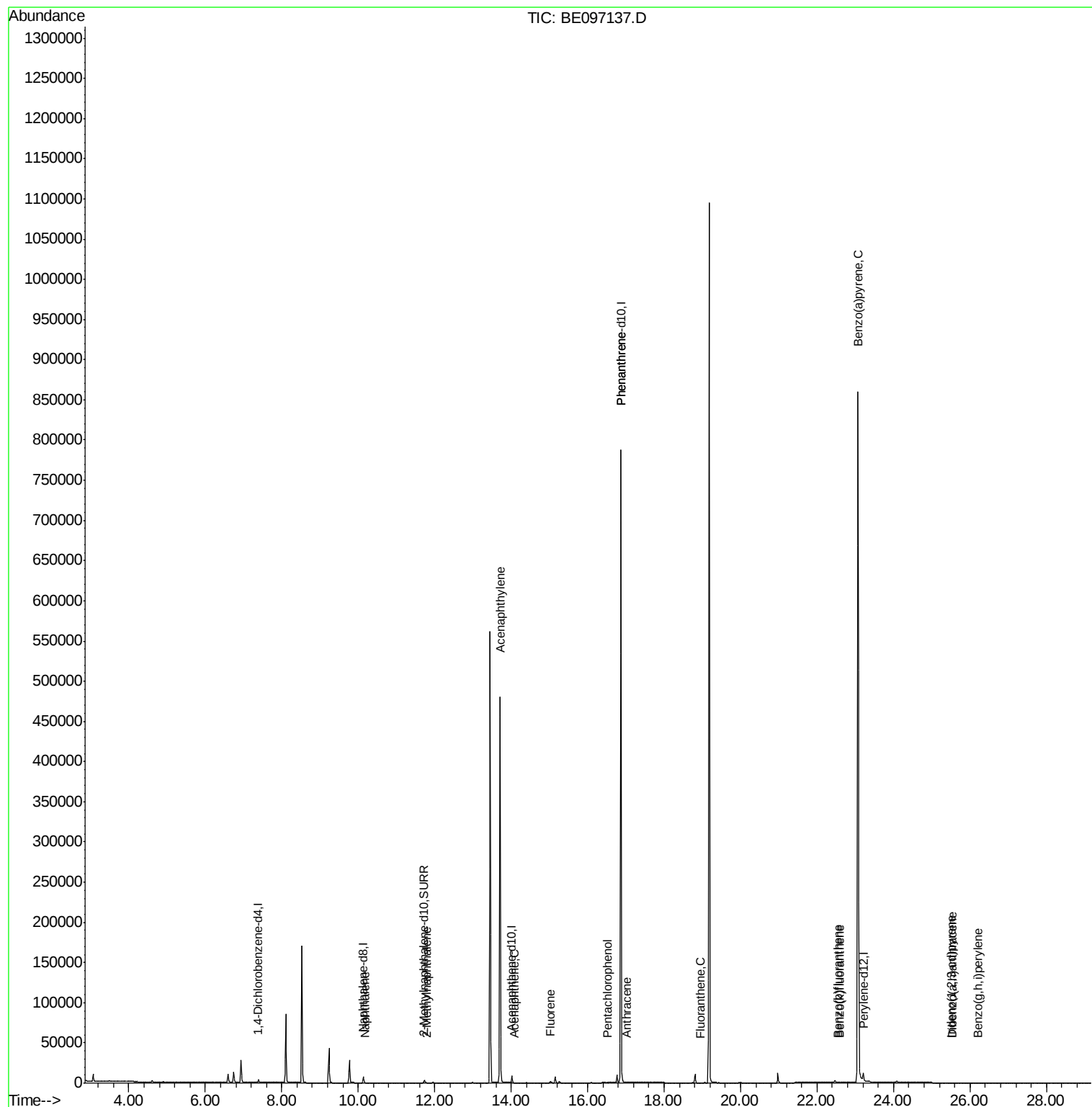
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.19 | 128  | 83       | 0.005 | ng/ul# | 4      |
| 5) 2-Methylnaphthalene     | 11.81 | 142  | 31       | 0.003 | ng/ul  | 100    |
| 7) Acenaphthylene          | 13.70 | 152  | 57       | 0.003 | ng/ul# | 1      |
| 8) Acenaphthene            | 14.09 | 153  | 12       | 0.001 | ng/ul# | 68     |
| 9) Fluorene                | 15.03 | 166  | 1426     | 0.087 | ng/ul# | 20     |
| 11) Pentachlorophenol      | 16.52 | 266  | 4        | 0.000 | ng/ul# | 82     |
| 12) Phenanthrene           | 16.88 | 178  | 686      | 0.000 | ng/ul# | 1      |
| 13) Anthracene             | 17.02 | 178  | 14       | 0.000 | ng/ul# | 1      |
| 15) Fluoranthene           | 18.95 | 202  | 2        | 0.000 | ng/ul# | 1      |
| 21) Benzo(b)fluoranthene   | 22.54 | 252  | 13       | 0.000 | ng/ul# | 1      |
| 22) Benzo(k)fluoranthene   | 22.58 | 252  | 27       | 0.000 | ng/ul# | 1      |
| 23) Benzo(a)pyrene         | 23.07 | 252  | 3840     | 0.076 | ng/ul  | 95     |
| 24) Indeno(1,2,3-cd)pyrene | 25.51 | 276  | 4        | 0.000 | ng/ul# | 1      |
| 25) Dibenzo(a,h)anthracene | 25.52 | 278  | 3        | 0.000 | ng/ul# | 1      |
| 26) Benzo(a,h,i)perylene   | 26.21 | 276  | 1        | 0.000 | ng/ul# | 1      |

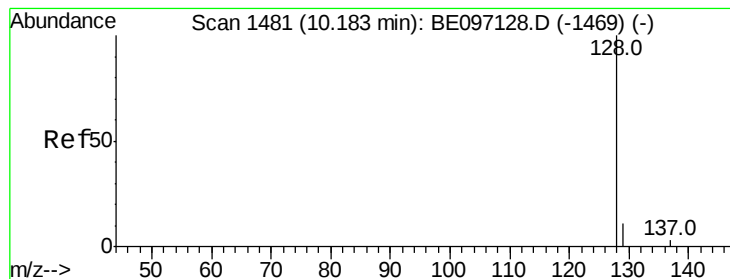
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_E  
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#3

Naphthalene

Concen: 0.005 ng/ul

RT: 10.19 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

Instrument :

BNA\_E

ClientSampled :

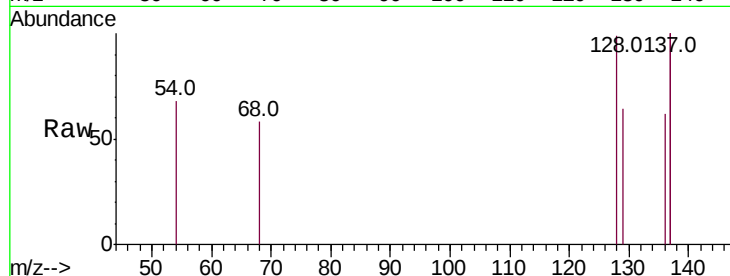
Tot Ion:128 Resp: 83

Ion Ratio Lower Upper

128 100

129 65.0 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

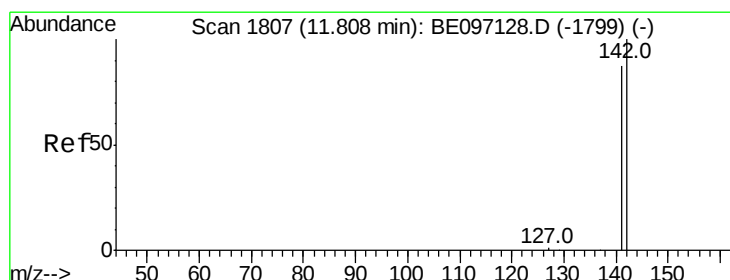
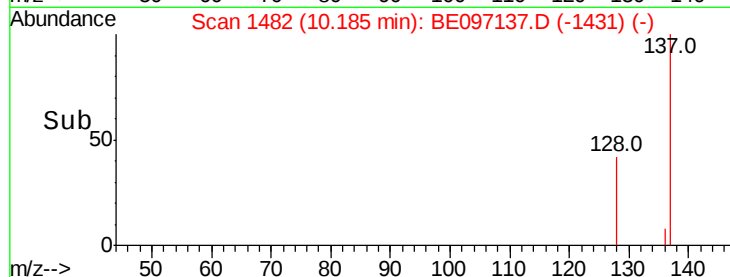
10.19

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.003 ng/ul

RT: 11.81 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BE097137.D

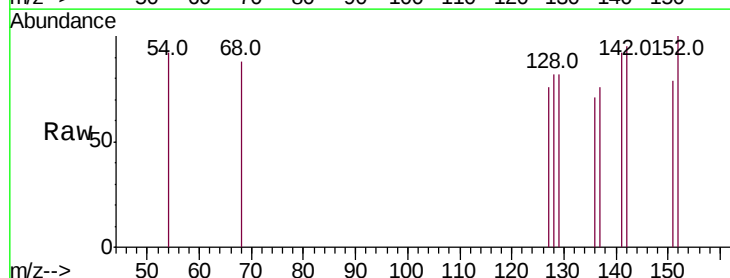
Acq: 1 Aug 2018 20:00

Tgt Ion:142 Resp: 31

Ion Ratio Lower Upper

142 100

141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.81

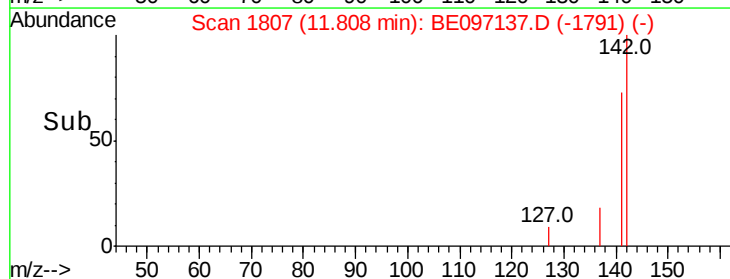
60

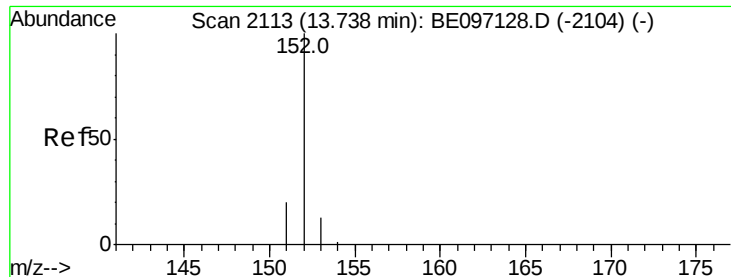
40

20

0

Time-->





#7

Acenaphthylene

Concen: 0.003 ng/ul

RT: 13.70 min Scan# 2108

Delta R.T. -0.03 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

Instrument :

BNA\_E

ClientSampleId :

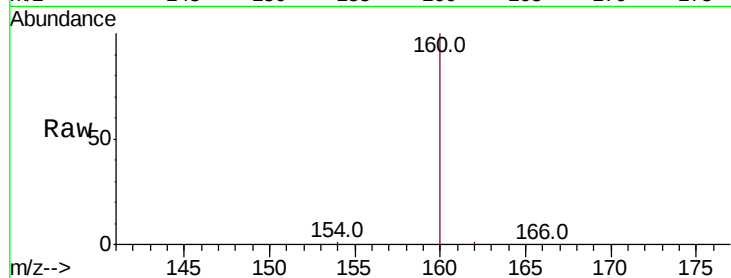
Tot Ion:152 Resp: 57

Ion Ratio Lower Upper

152 100

151 71.1 17.1 25.7#

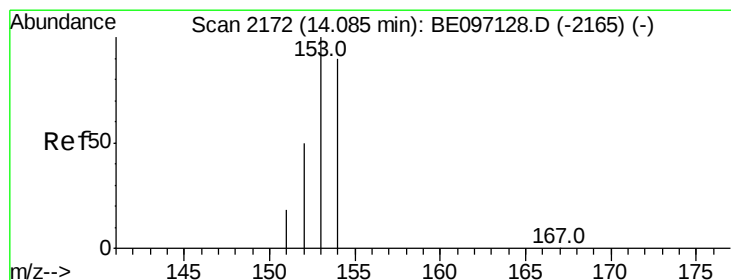
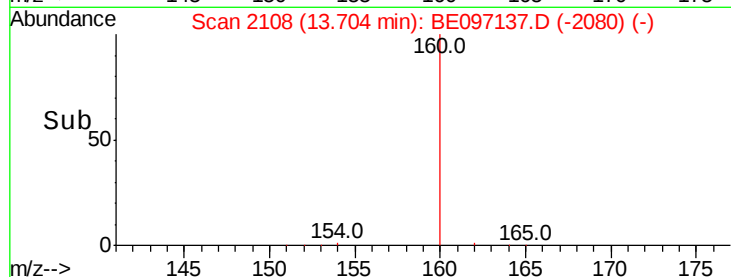
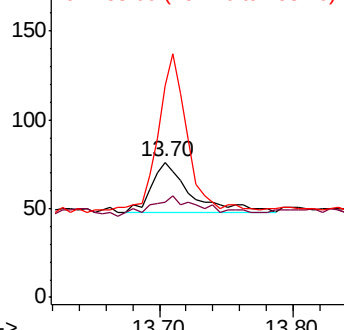
153 156.6 12.8 19.2#



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: 0.001 ng/ul

RT: 14.09 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

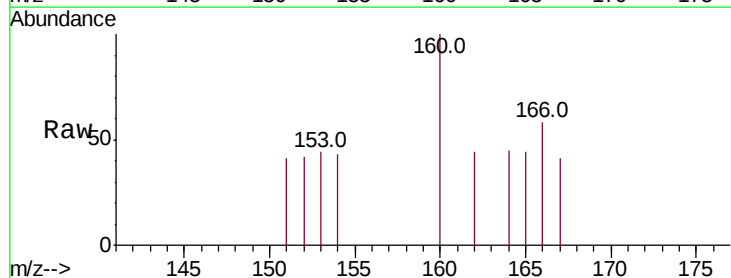
Tgt Ion:153 Resp: 12

Ion Ratio Lower Upper

153 100

152 96.3 36.0 54.0#

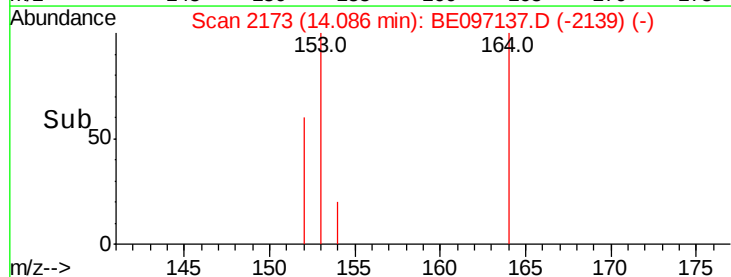
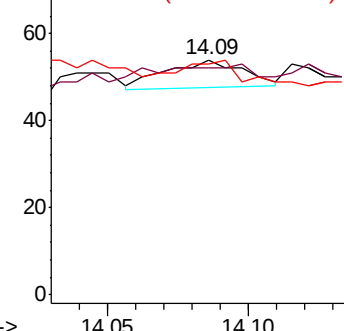
154 98.1 72.0 108.0

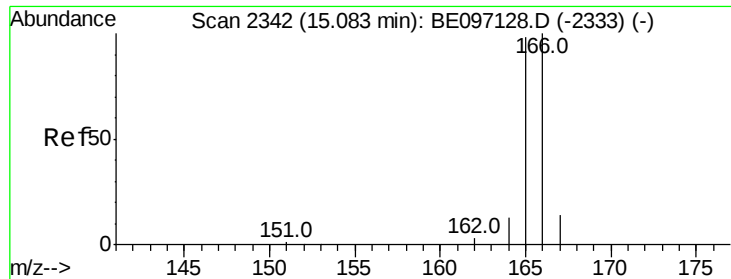


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.087 ng/ul

RT: 15.03 min Scan# 2333

Delta R.T. -0.06 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

Instrument :

BNA\_E

ClientSampleId :

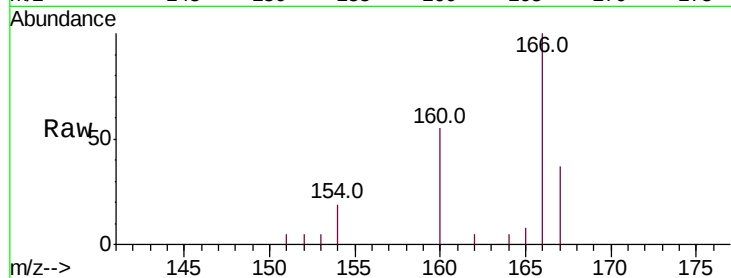
Tot Ion:166 Resp: 1426

Ion Ratio Lower Upper

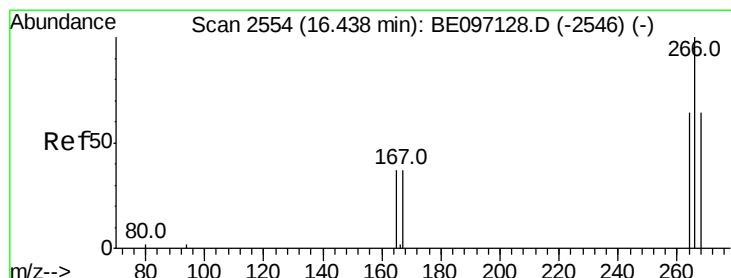
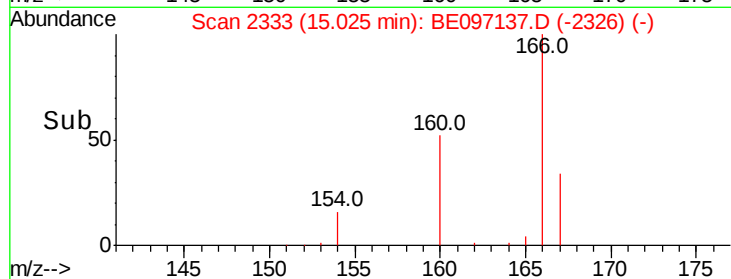
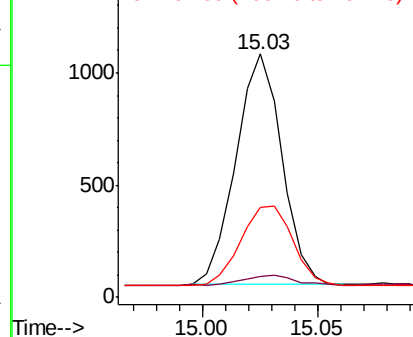
166 100

165 8.4 73.4 110.2#

167 37.1 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.000 ng/ul

RT: 16.52 min Scan# 2567

Delta R.T. 0.09 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

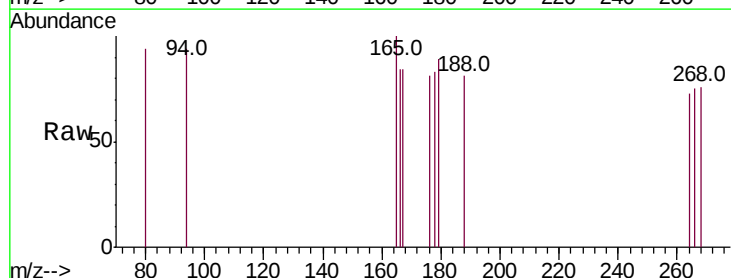
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

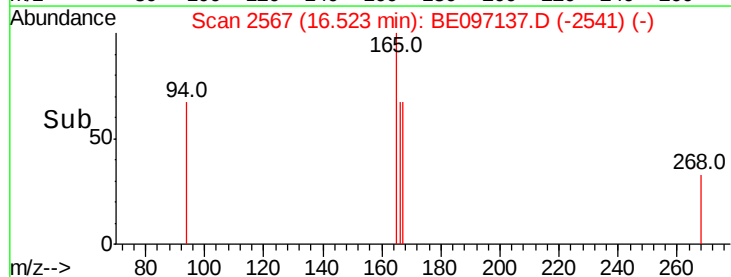
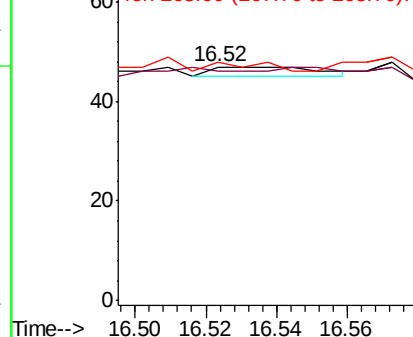
266 100

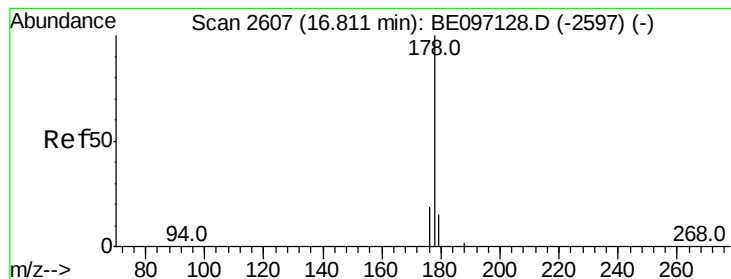
264 75.0 47.9 71.9#

268 50.0 49.8 74.8



Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.000 ng/ul

RT: 16.88 min Scan# 2617

Delta R.T. 0.06 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

Instrument :

BNA\_E

ClientSampleId :

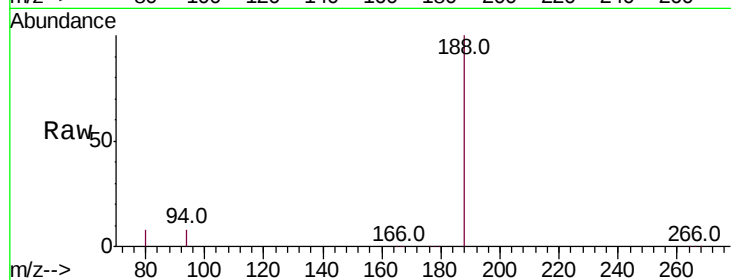
Tot Ion:178 Resp: 686

Ion Ratio Lower Upper

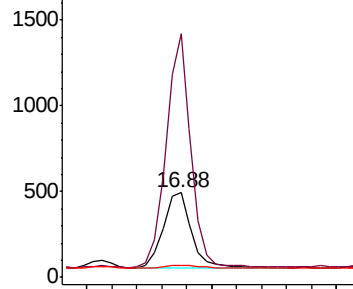
178 100

179 288.8 18.4 27.6#

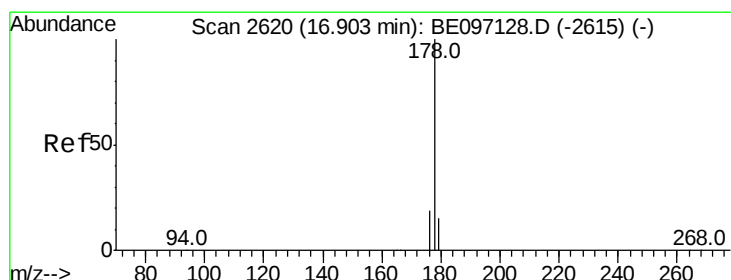
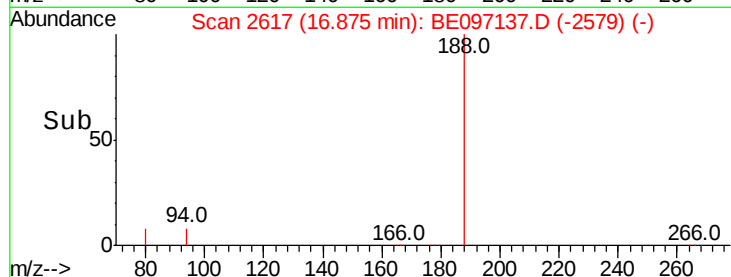
176 14.4 13.6 20.4



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



Time-->



#13

Anthracene

Concen: 0.000 ng/ul

RT: 17.02 min Scan# 2638

Delta R.T. 0.12 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

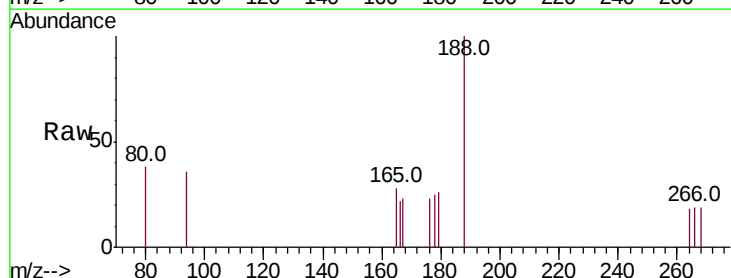
Tgt Ion:178 Resp: 14

Ion Ratio Lower Upper

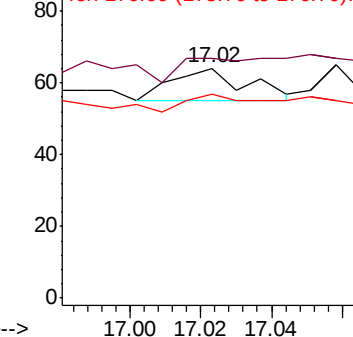
178 100

179 104.7 18.1 27.1#

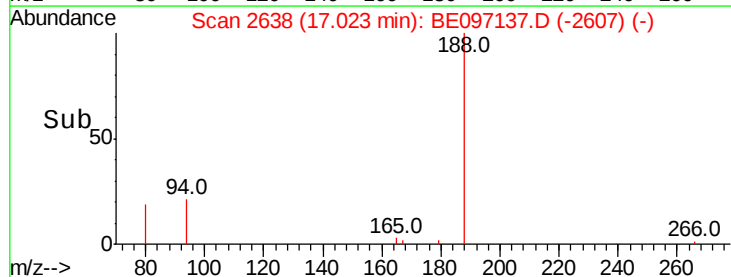
176 89.1 14.7 22.1#

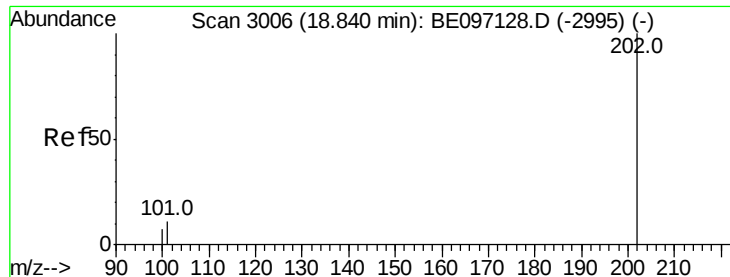


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E



Time-->





#15

Fluoranthene

Concen: 0.000 ng/ul

RT: 18.95 min Scan# 3036

Delta R.T. 0.11 min

Lab File: BE097137.D

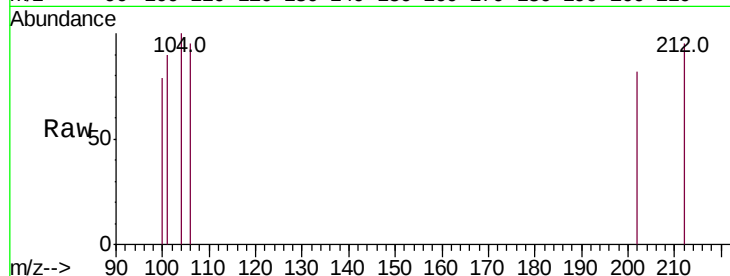
Acq: 1 Aug 2018 20:00

Instrument :

BNA\_E

ClientSampleId :

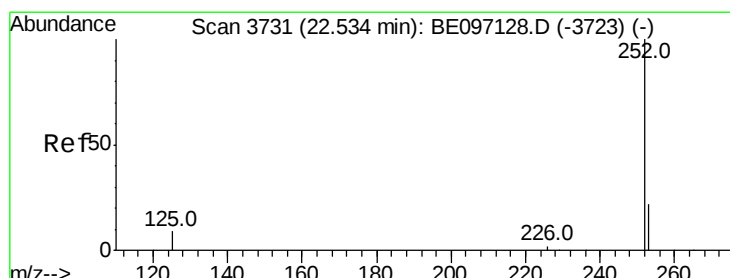
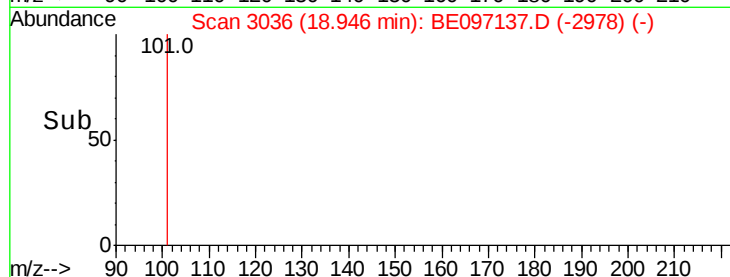
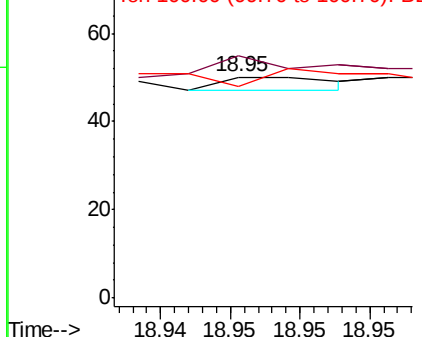
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 202   | Resp: | 2     |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 110.0 | 0.0   | 30.3# |
| 100      | 96.0  | 0.0   | 39.5# |



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): E



#21

Benzo(b)fluoranthene

Concen: 0.000 ng/ul

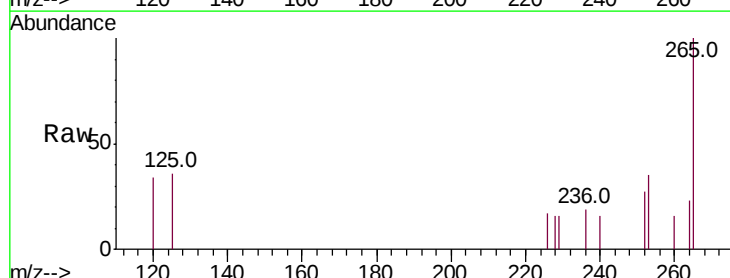
RT: 22.54 min Scan# 3732

Delta R.T. 0.01 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

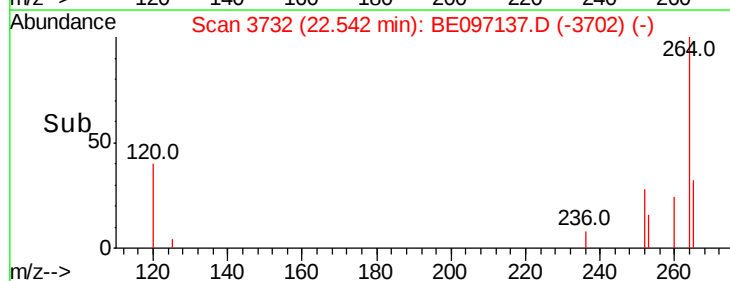
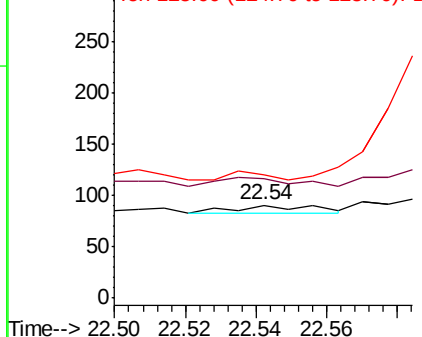
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 13    |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 128.6 | 0.0   | 64.2# |
| 125      | 133.0 | 0.0   | 35.0# |

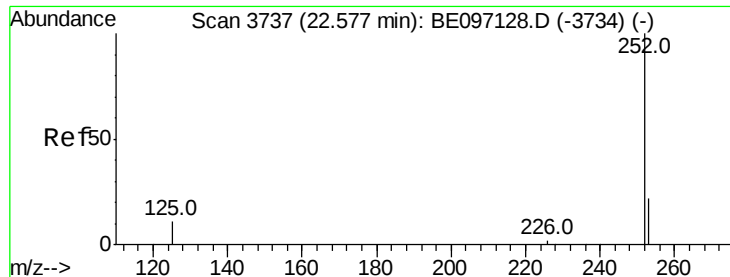


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.000 ng/ul

RT: 22.58 min Scan# 3738

Delta R.T. 0.01 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

Instrument :

BNA\_E

ClientSampleId :

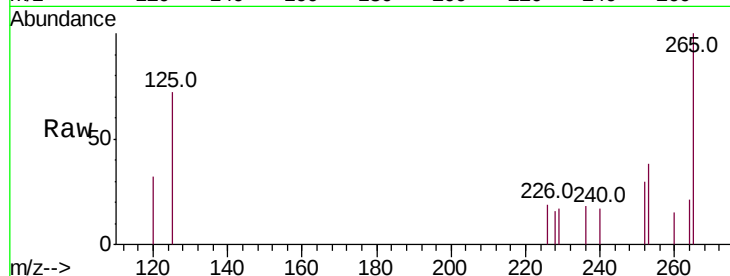
Tot Ion:252 Resp: 27

Ion Ratio Lower Upper

252 100

253 129.6 24.5 36.7#

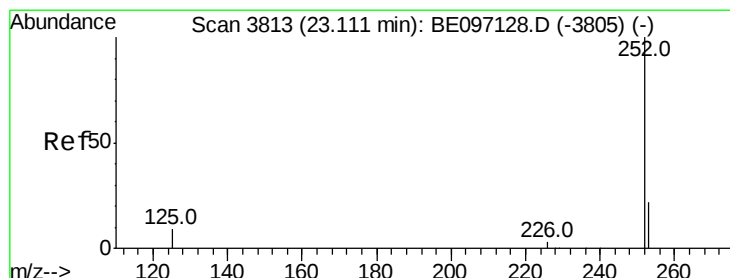
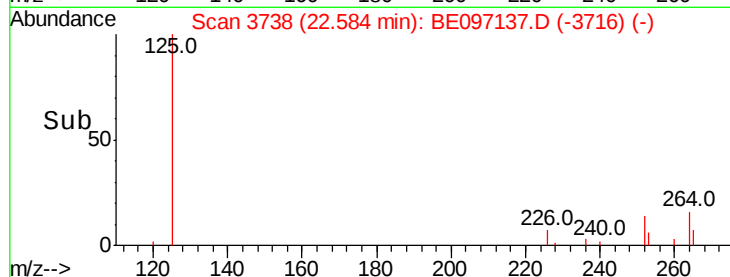
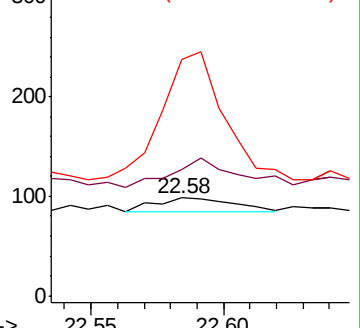
125 242.9 13.7 20.5#



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: 0.076 ng/ul

RT: 23.07 min Scan# 3807

Delta R.T. -0.04 min

Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

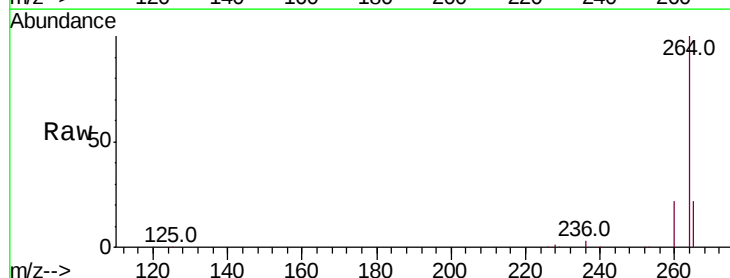
Tgt Ion:252 Resp: 3840

Ion Ratio Lower Upper

252 100

253 39.0 28.5 42.7

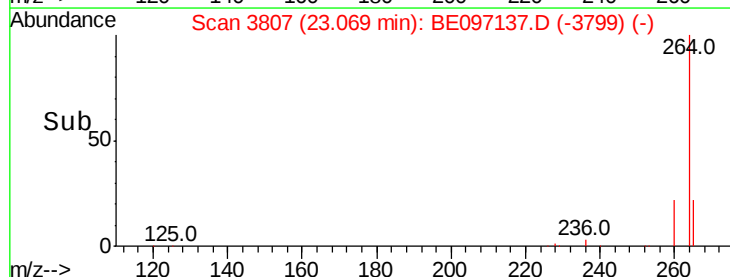
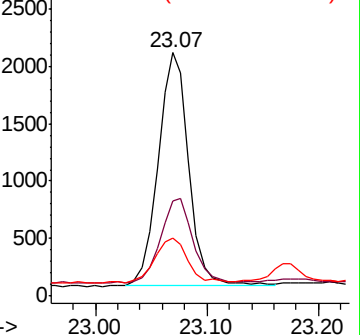
125 24.0 18.1 27.1

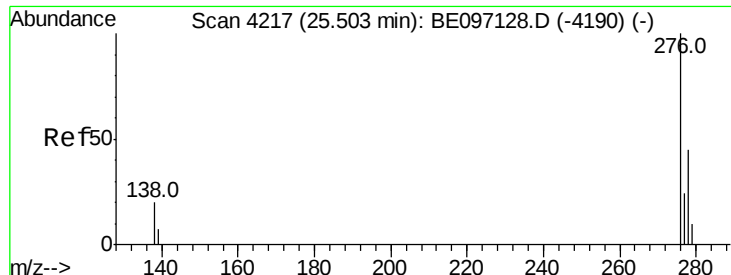


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



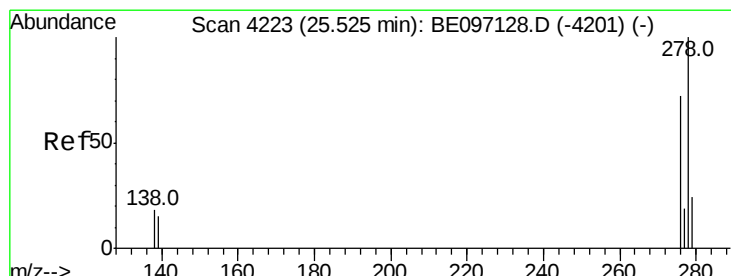
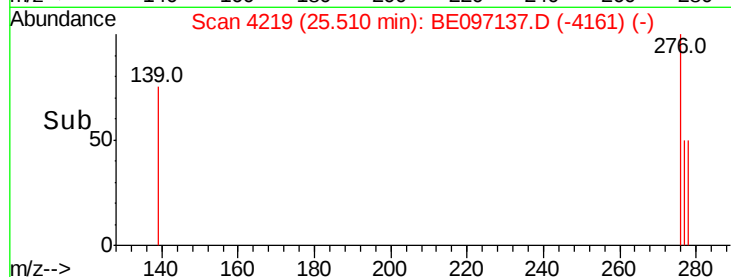
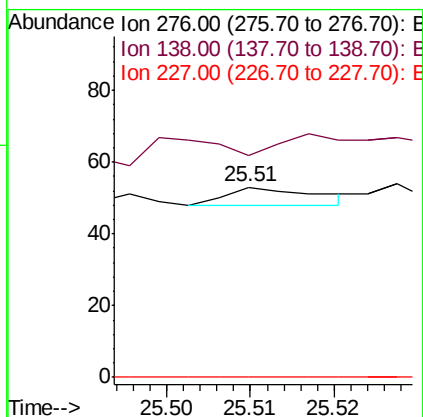
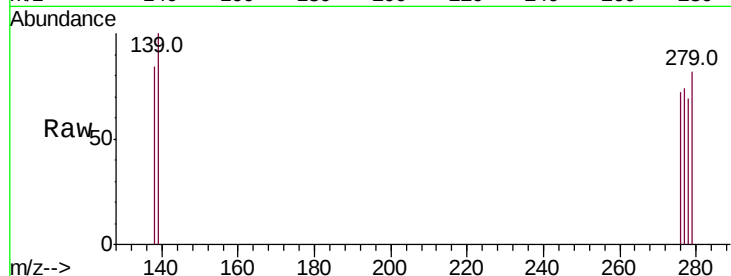


#24

Indeno(1,2,3-cd)pyrene  
Concen: 0.000 ng/ul  
RT: 25.51 min Scan# 4219  
Delta R.T. 0.01 min  
Lab File: BE097137.D  
Acq: 1 Aug 2018 20:00

Instrument :  
BNA\_E  
ClientSampleId :

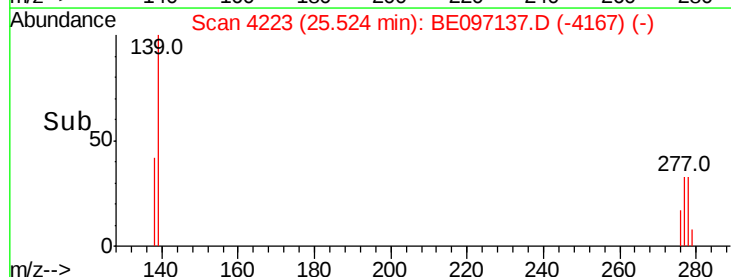
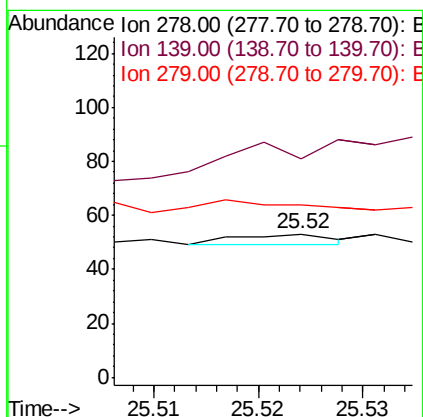
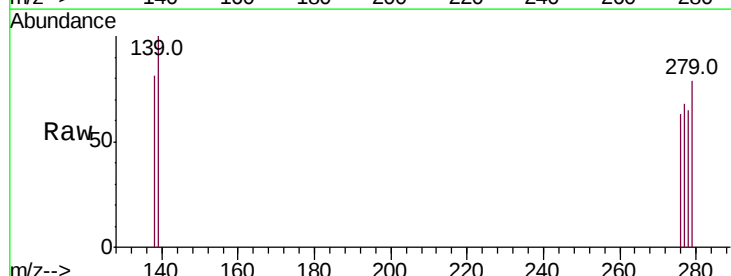
Tot Ion:276 Resp: 4  
Ion Ratio Lower Upper  
276 100  
138 125.0 28.0 42.0#  
227 0.0 8.0 12.0#

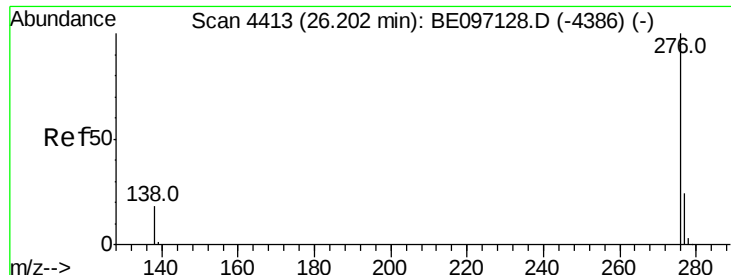


#25

Dibenzo(a,h)anthracene  
Concen: 0.000 ng/ul  
RT: 25.52 min Scan# 4223  
Delta R.T. -0.00 min  
Lab File: BE097137.D  
Acq: 1 Aug 2018 20:00

Tgt Ion:278 Resp: 3  
Ion Ratio Lower Upper  
278 100  
139 152.8 17.4 26.0#  
279 120.8 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.000 ng/ul

RT: 26.21 min Scan# 4415

Delta R.T. 0.01 min

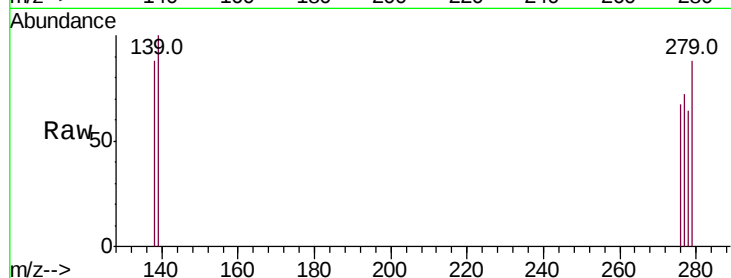
Lab File: BE097137.D

Acq: 1 Aug 2018 20:00

Instrument :

BNA\_E

ClientSampleId :



Tot Ion:276 Resp: 1

Ion Ratio Lower Upper

276 100

138 131.4 21.8 32.8#

277 107.8 20.5 30.7#

