

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\  
 Data File : BE095303.D  
 Acq On : 31 Jan 2018 6:37  
 Operator : SJ/JU  
 Sample : J1223-07DL 5X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jan 31 08:19:22 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 08:16:13 2018  
 Response via : Initial Calibration

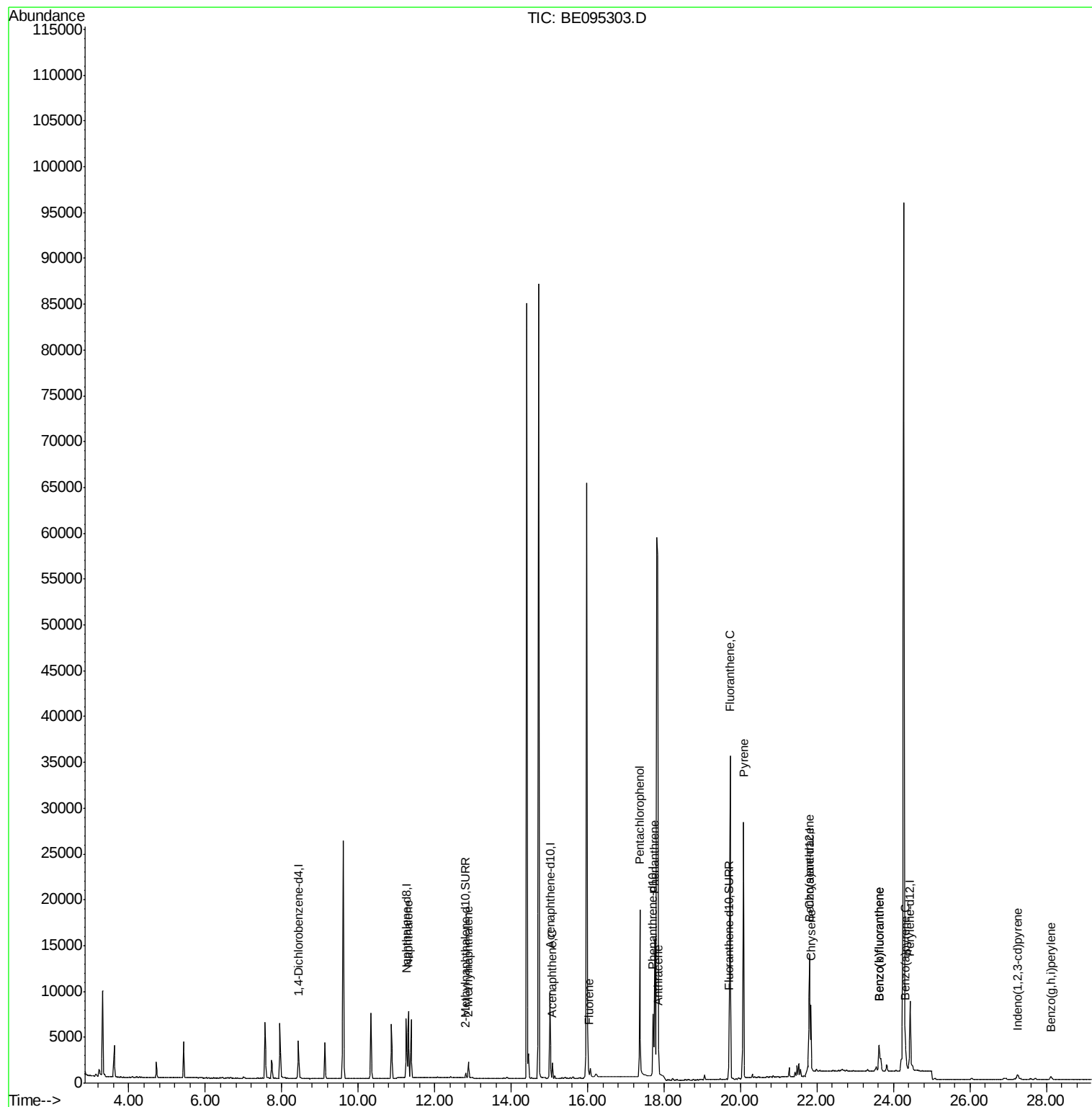
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.44  | 152  | 2715     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.26 | 136  | 8482     | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.02 | 164  | 5122     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.71 | 188  | 10631    | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.80 | 240  | 11678    | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.44 | 264  | 11479    | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.81 | 152  | 742      | 0.05  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.70 | 212  | 2013     | 0.05  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 11.31 | 128  | 10134    | 0.427 | ng/ul# | 88       |
| 5) 2-Methylnaphthalene      | 12.89 | 142  | 1502     | 0.095 | ng/ul  | 100      |
| 8) Acenaphthene             | 15.08 | 153  | 973      | 0.051 | ng/ul  | 94       |
| 9) Fluorene                 | 16.02 | 166  | 571      | 0.029 | ng/ul# | 74       |
| 11) Pentachlorophenol       | 17.36 | 266  | 11071    | 5.377 | ng/ul  | 95       |
| 12) Phenanthrene            | 17.75 | 178  | 17041    | 0.477 | ng/ul# | 88       |
| 13) Anthracene              | 17.85 | 178  | 2247     | 0.069 | ng/ul  | 93       |
| 15) Fluoranthene            | 19.72 | 202  | 40079    | 0.866 | ng/ul  | 84       |
| 17) Pyrene                  | 20.08 | 202  | 30047    | 0.767 | ng/ul# | 79       |
| 18) Benzo(a)anthracene      | 21.79 | 228  | 7108     | 0.195 | ng/ul# | 87       |
| 19) Chrysene                | 21.84 | 228  | 7818     | 0.206 | ng/ul  | 96       |
| 21) Benzo(b)fluoranthene    | 23.63 | 252  | 7384     | 0.182 | ng/ul  | 93       |
| 22) Benzo(k)fluoranthene    | 23.63 | 252  | 7375     | 0.199 | ng/ul  | 95       |
| 23) Benzo(a)pyrene          | 24.32 | 252  | 2080     | 0.058 | ng/ul  | 99       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.25 | 276  | 1012     | 0.026 | ng/ul# | 76       |
| 26) Benzo(a,h,i)perylene    | 28.12 | 276  | 776      | 0.023 | ng/ul# | 68       |

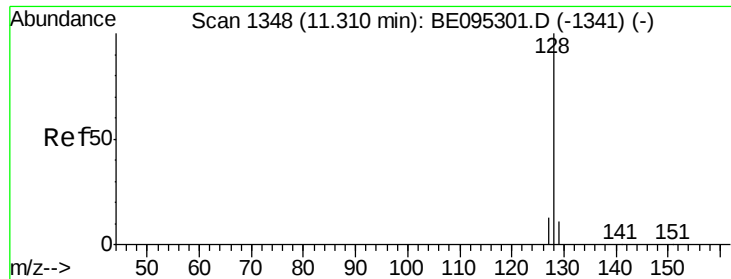
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 31 08:16:13 2018  
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#3

Naphthalene

Concen: 0.427 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095303.D

Acq: 31 Jan 2018 6:37

Instrument :

BNA\_E

ClientSampleId :

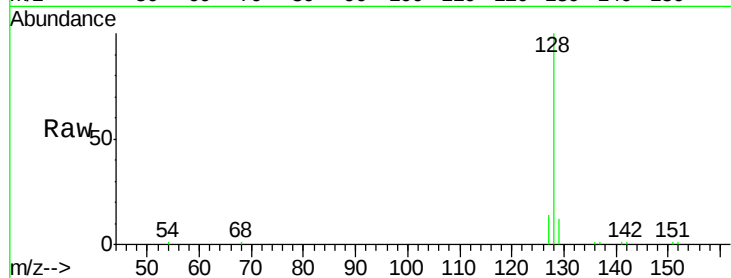
Tot Ion:128 Resp: 10134

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

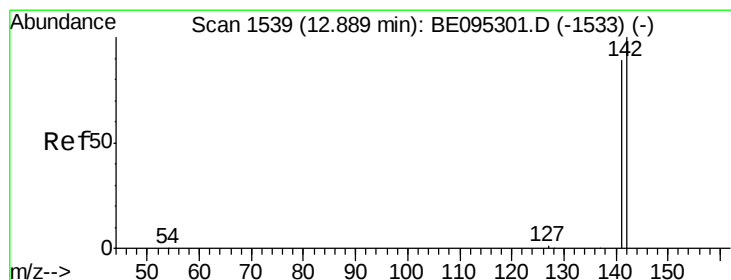
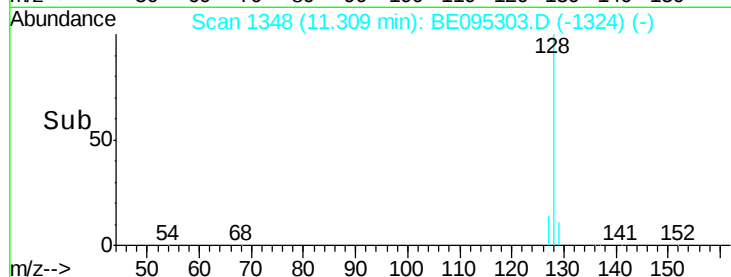
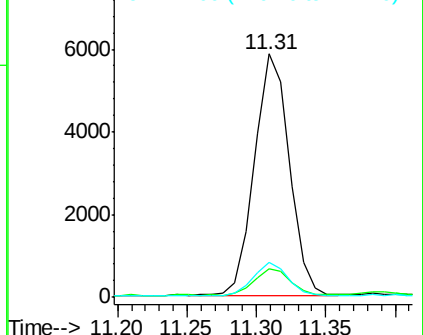
127 14.2 4.0 6.0#



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: 0.095 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095303.D

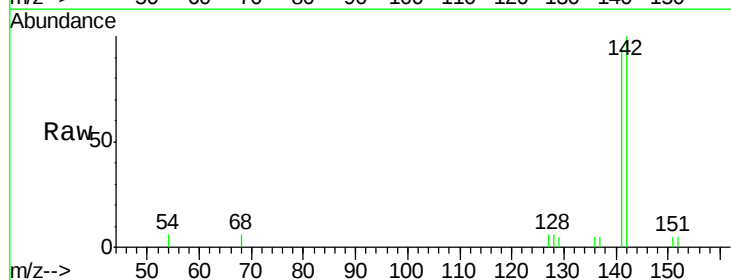
Acq: 31 Jan 2018 6:37

Tgt Ion:142 Resp: 1502

Ion Ratio Lower Upper

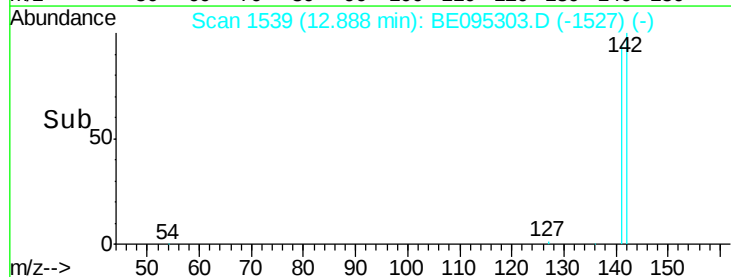
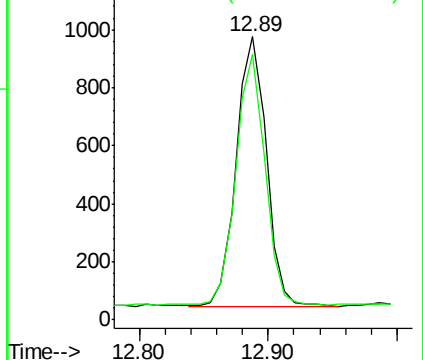
142 100

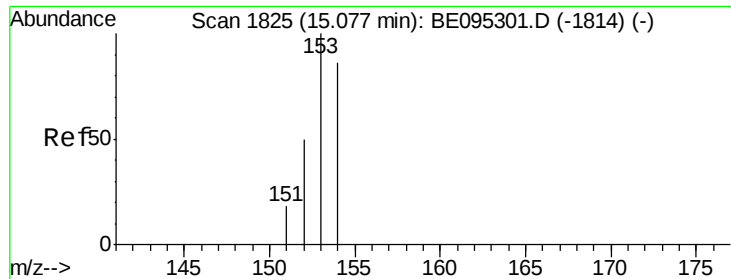
141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.051 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095303.D

Acq: 31 Jan 2018 6:37

Instrument :

BNA\_E

ClientSampleId :

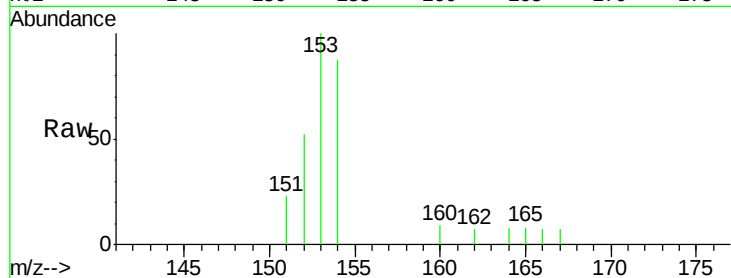
Tot Ion:153 Resp: 973

Ion Ratio Lower Upper

153 100

152 52.0 36.0 54.0

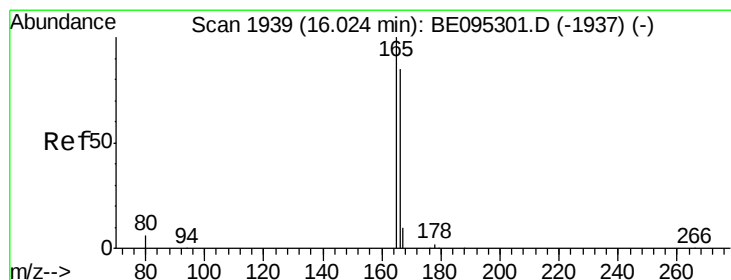
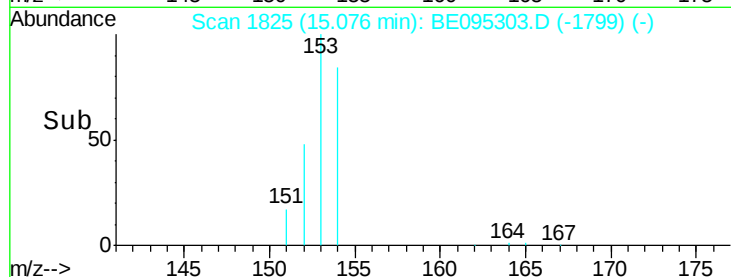
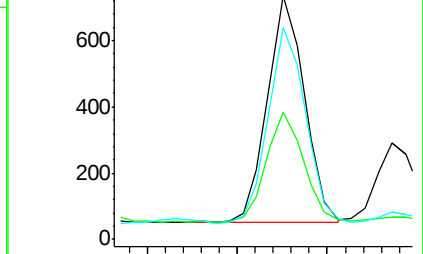
154 87.1 72.0 108.0



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: 0.029 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095303.D

Acq: 31 Jan 2018 6:37

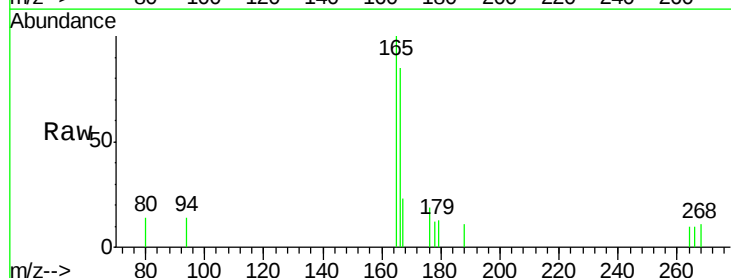
Tgt Ion:166 Resp: 571

Ion Ratio Lower Upper

166 100

165 117.6 73.4 110.2#

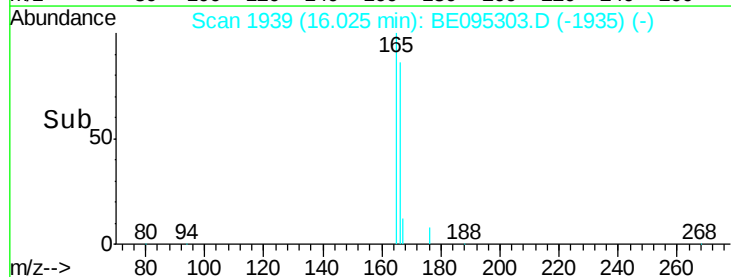
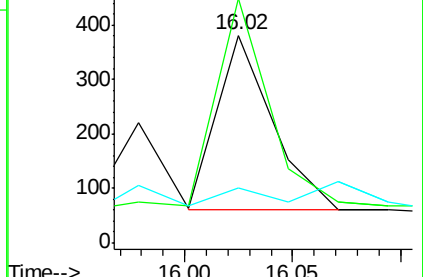
167 26.5 14.6 22.0#

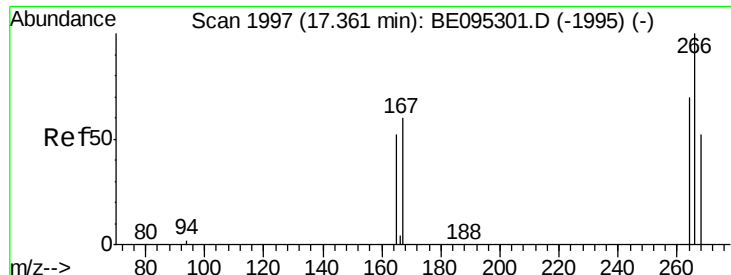


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

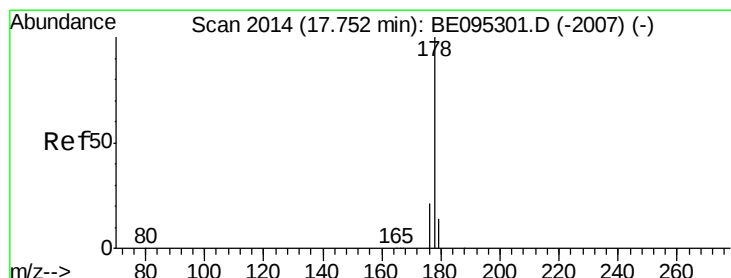
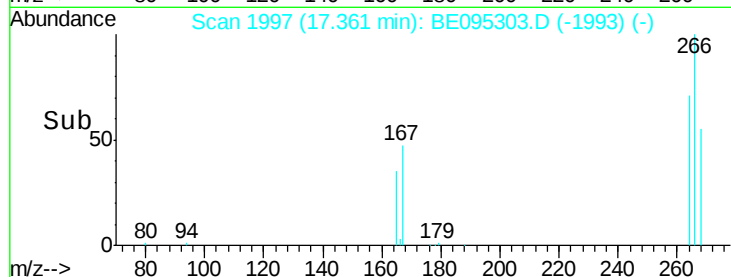
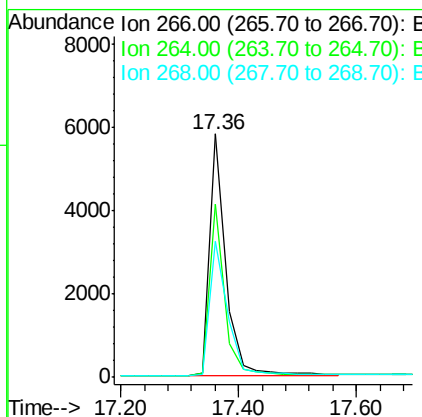
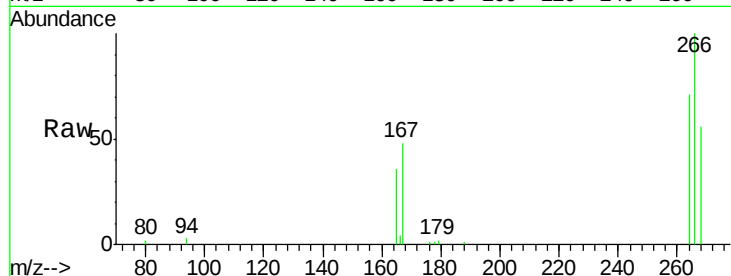




#11  
 Pentachlorophenol  
 Concen: 5.377 ng/ul  
 RT: 17.36 min Scan# 1997  
 Delta R.T. 0.00 min  
 Lab File: BE095303.D  
 Acq: 31 Jan 2018 6:37

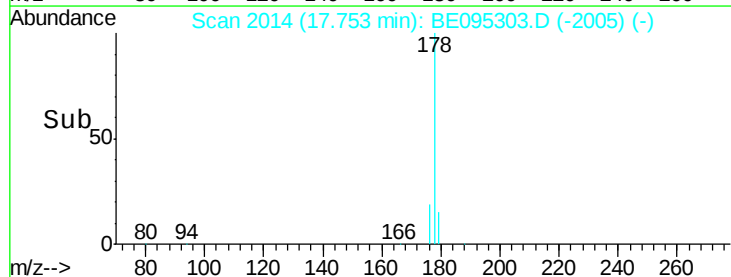
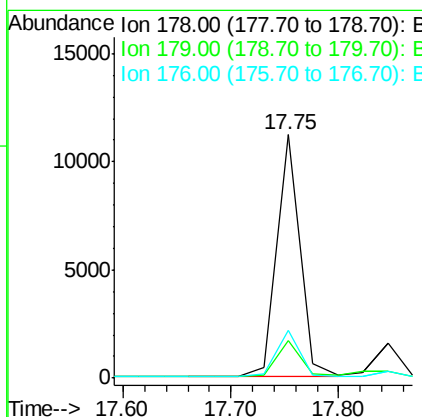
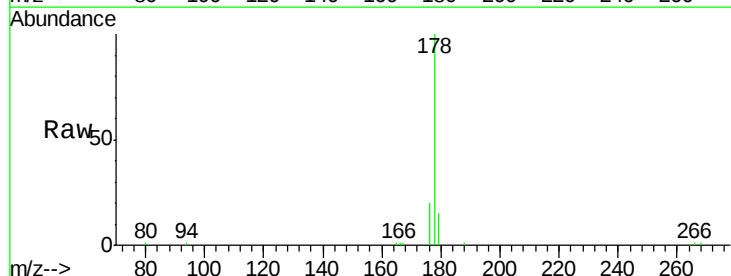
Instrument :  
 BNA\_E  
 ClientSampleId :

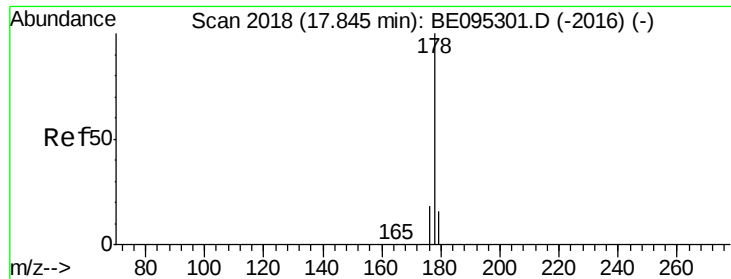
Tot Ion:266 Resp: 11071  
 Ion Ratio Lower Upper  
 266 100  
 264 66.5 47.9 71.9  
 268 61.3 49.8 74.8



#12  
 Phenanthrene  
 Concen: 0.477 ng/ul  
 RT: 17.75 min Scan# 2014  
 Delta R.T. 0.00 min  
 Lab File: BE095303.D  
 Acq: 31 Jan 2018 6:37

Tgt Ion:178 Resp: 17041  
 Ion Ratio Lower Upper  
 178 100  
 179 15.2 18.4 27.6#  
 176 19.8 13.6 20.4





#13

Anthracene

Concen: 0.069 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095303.D

Acq: 31 Jan 2018 6:37

Instrument :

BNA\_E

ClientSampleId :

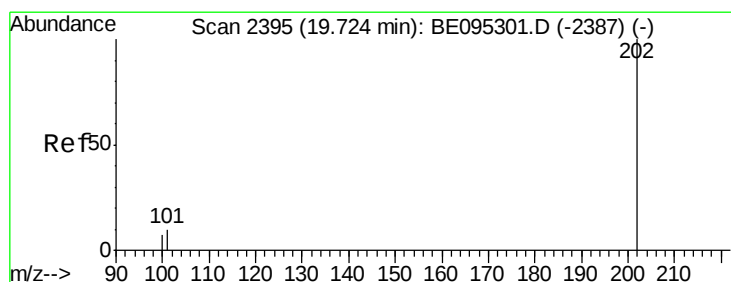
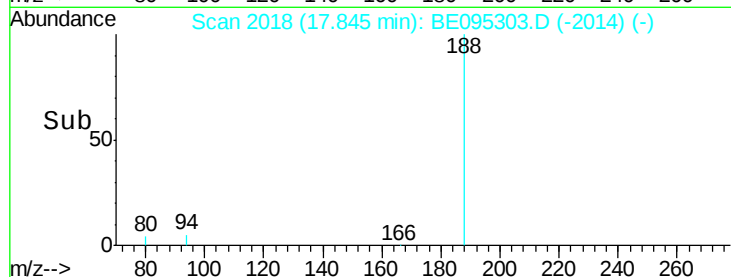
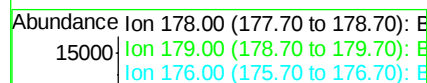
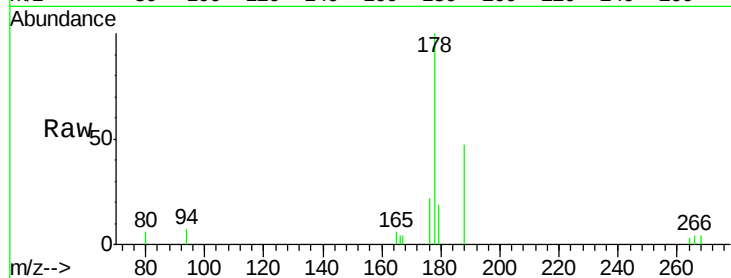
Tot Ion:178 Resp: 2247

Ion Ratio Lower Upper

178 100

179 19.0 18.1 27.1

176 21.6 14.7 22.1



#15

Fluoranthene

Concen: 0.866 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BE095303.D

Acq: 31 Jan 2018 6:37

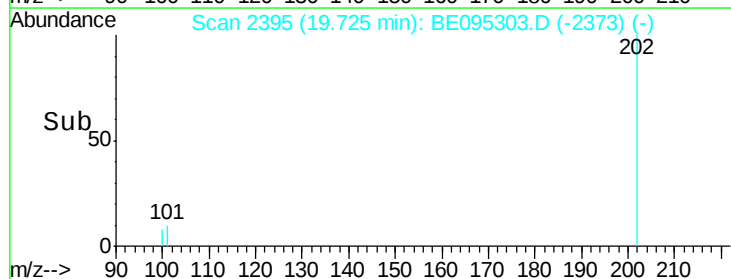
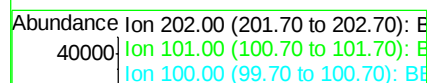
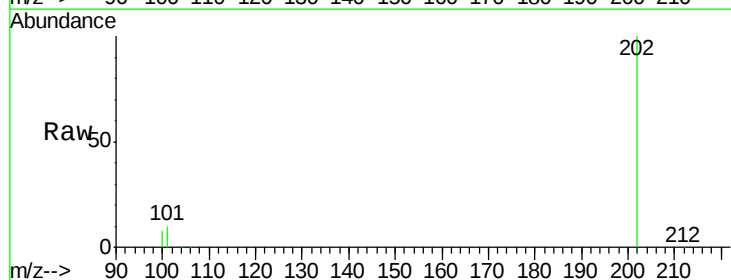
Tgt Ion:202 Resp: 40079

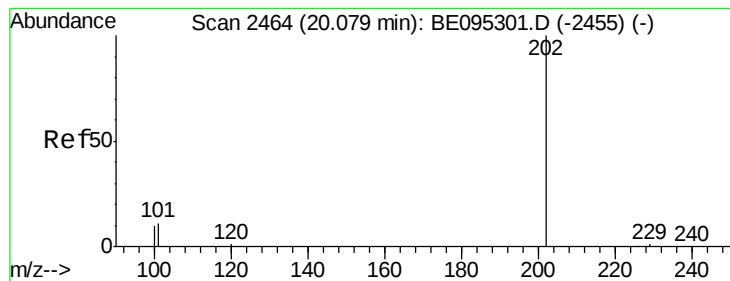
Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.3

100 8.3 0.0 39.5





#17

Pvrene

Concen: 0.767 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. -0.00 min

Lab File: BE095303.D

Acq: 31 Jan 2018 6:37

Instrument :

BNA\_E

ClientSampleId :

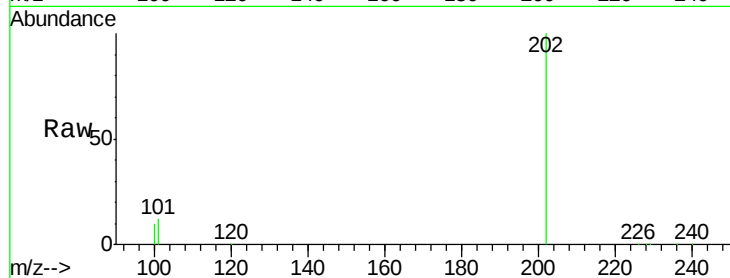
Tot Ion:202 Resp: 30047

Ion Ratio Lower Upper

202 100

101 11.9 18.2 27.4#

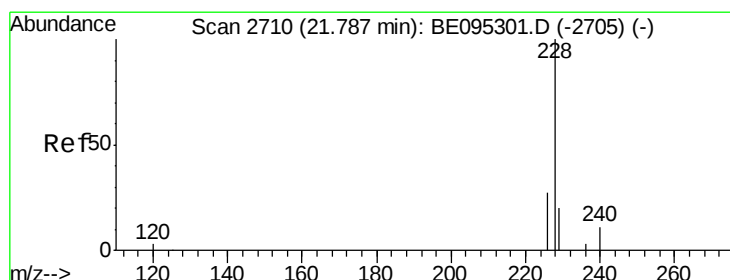
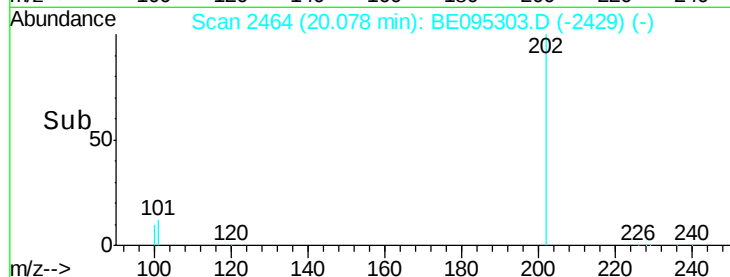
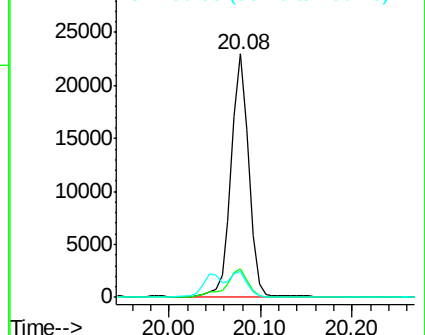
100 10.4 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 0.195 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE095303.D

Acq: 31 Jan 2018 6:37

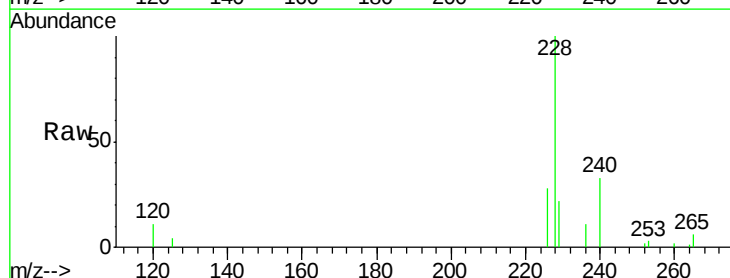
Tgt Ion:228 Resp: 7108

Ion Ratio Lower Upper

228 100

229 21.9 22.8 34.2#

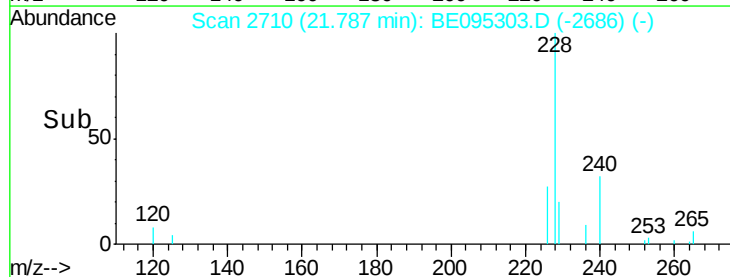
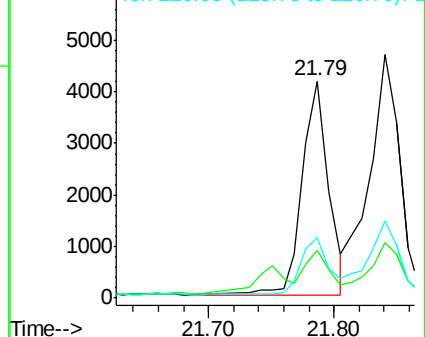
226 28.1 17.0 25.6#

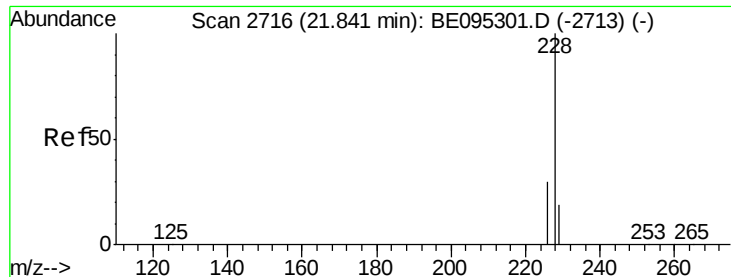


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.206 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095303.D

Acq: 31 Jan 2018 6:37

Instrument :

BNA\_E

ClientSampleId :

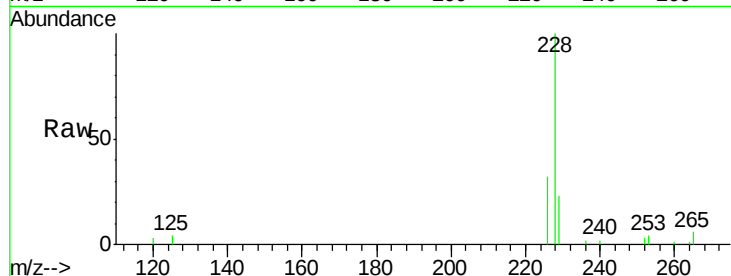
Tot Ion:228 Resp: 7818

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.0

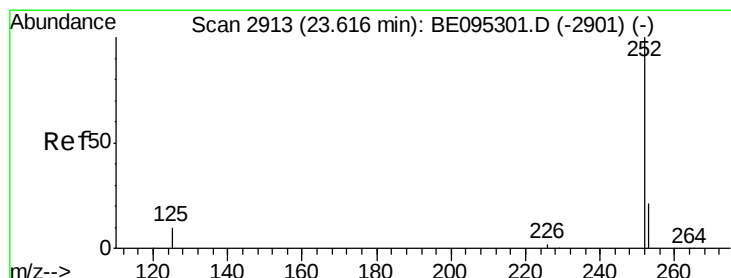
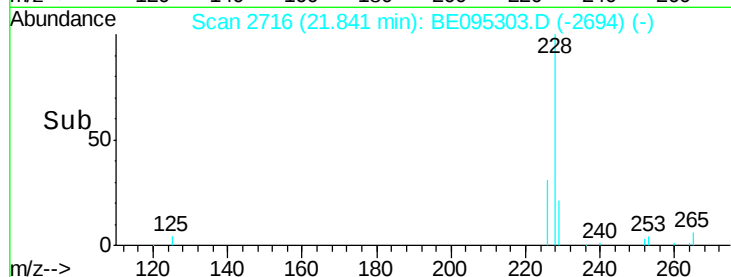
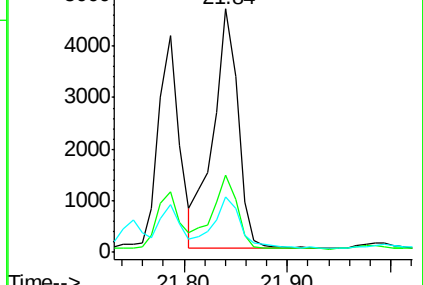
229 22.8 17.7 26.5



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: 0.182 ng/ul

RT: 23.63 min Scan# 2914

Delta R.T. 0.01 min

Lab File: BE095303.D

Acq: 31 Jan 2018 6:37

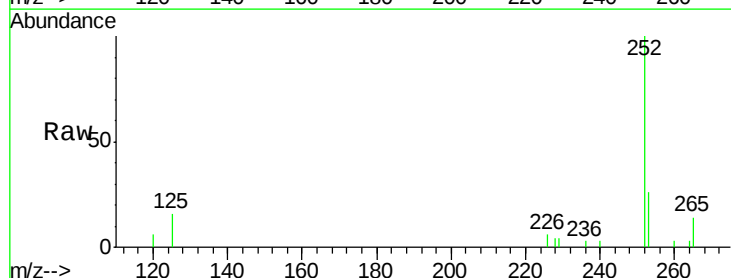
Tgt Ion:252 Resp: 7384

Ion Ratio Lower Upper

252 100

253 26.5 0.0 64.2

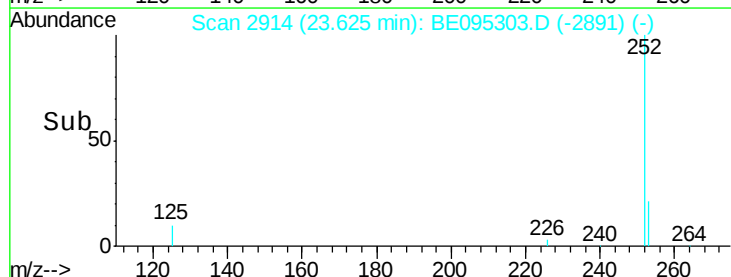
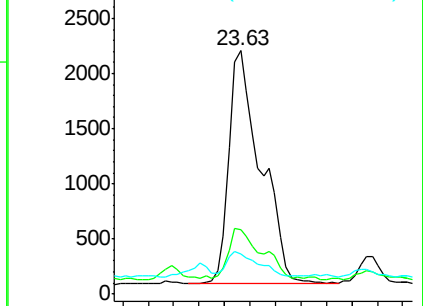
125 16.4 0.0 35.0

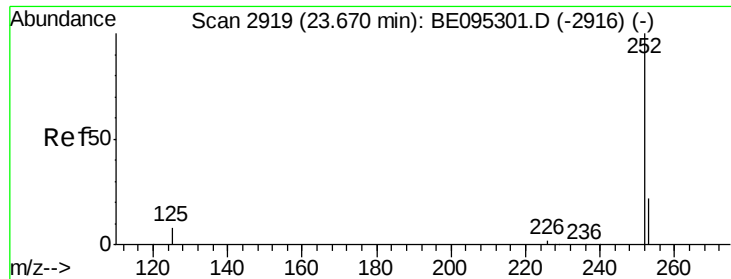


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

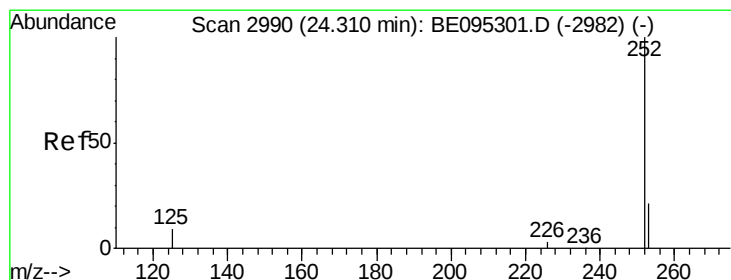
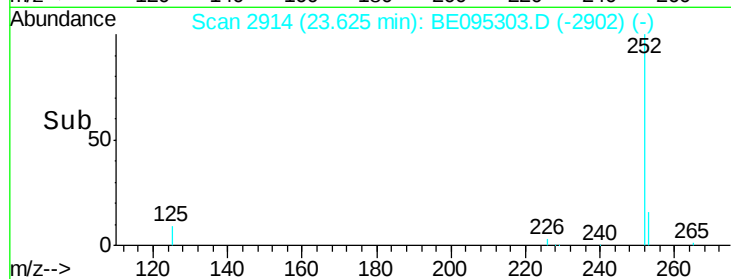
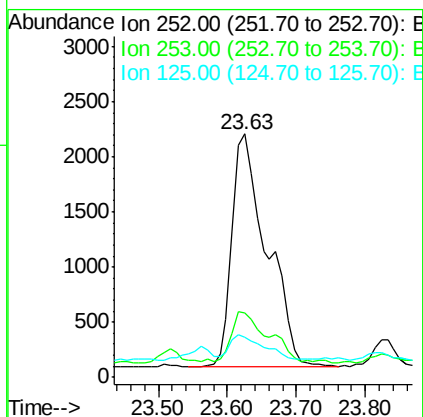
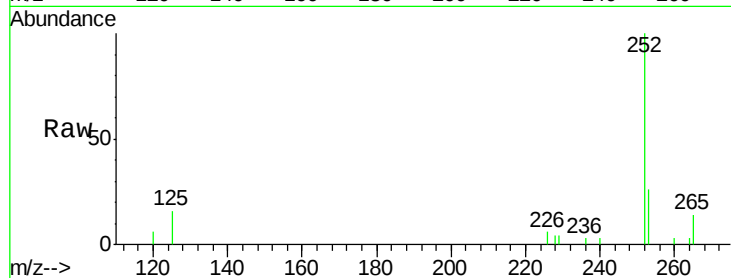




#22  
Benzo(k)fluoranthene  
Concen: 0.199 ng/ul  
RT: 23.63 min Scan# 2914  
Delta R.T. -0.04 min  
Lab File: BE095303.D  
Acq: 31 Jan 2018 6:37

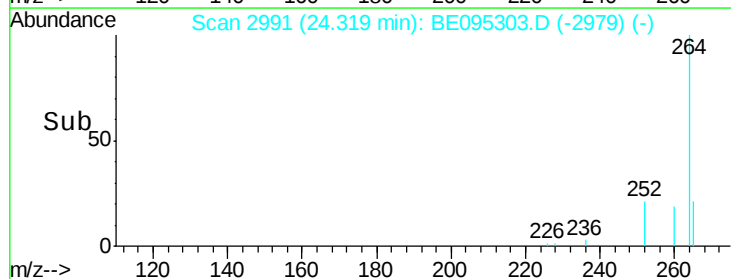
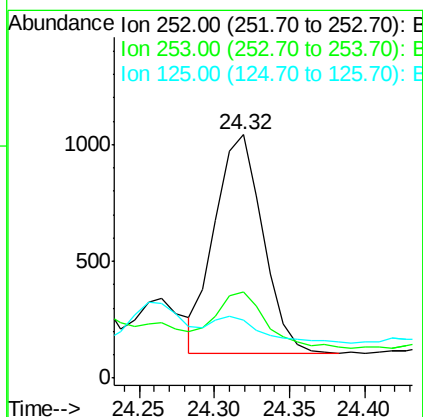
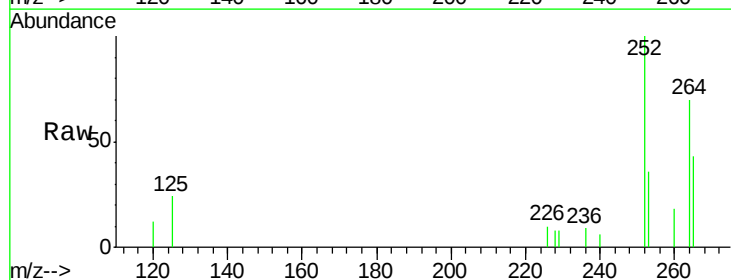
Instrument :  
BNA\_E  
ClientSampleId :

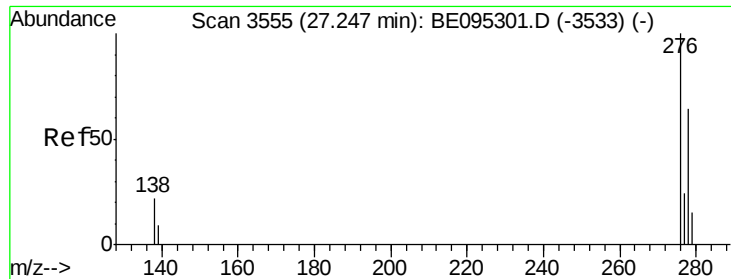
Tot Ion:252 Resp: 7375  
Ion Ratio Lower Upper  
252 100  
253 26.5 24.5 36.7  
125 16.4 13.7 20.5



#23  
Benzo(a)pyrene  
Concen: 0.058 ng/ul  
RT: 24.32 min Scan# 2991  
Delta R.T. 0.01 min  
Lab File: BE095303.D  
Acq: 31 Jan 2018 6:37

Tgt Ion:252 Resp: 2080  
Ion Ratio Lower Upper  
252 100  
253 35.7 28.5 42.7  
125 24.0 18.1 27.1



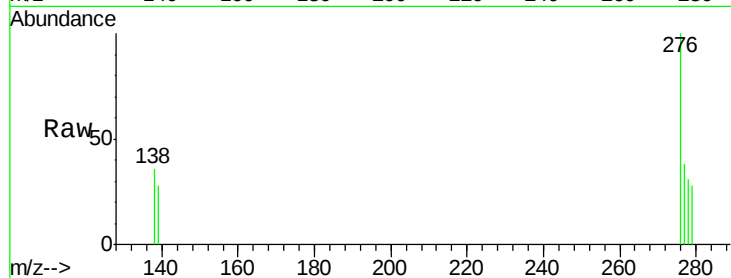


#24

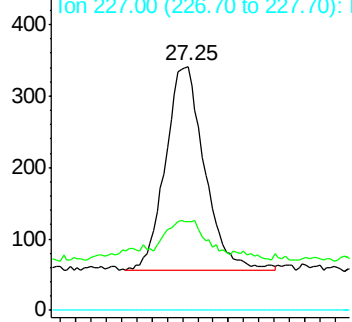
Indeno(1,2,3-cd)pyrene  
Concen: 0.026 ng/ul  
RT: 27.25 min Scan# 3555  
Delta R.T. 0.00 min  
Lab File: BE095303.D  
Acq: 31 Jan 2018 6:37

Instrument :  
BNA\_E  
ClientSampleId :

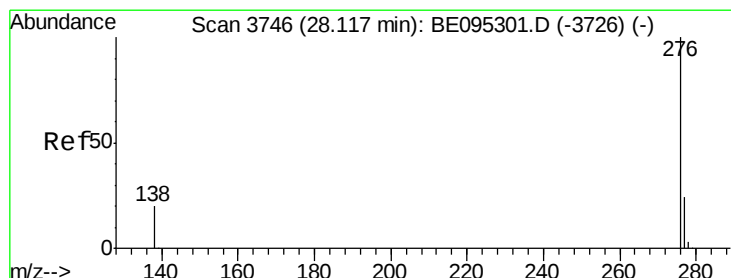
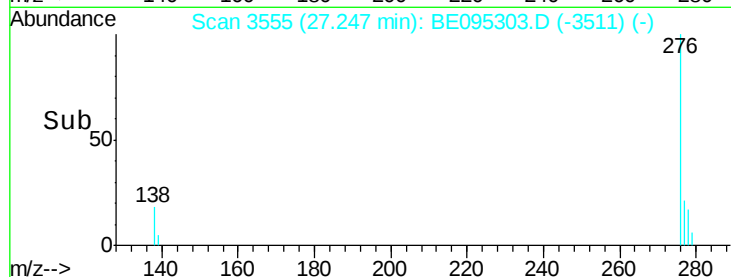
Tot Ion:276 Resp: 1012  
Ion Ratio Lower Upper  
276 100  
138 21.2 28.0 42.0#  
227 0.0 8.0 12.0#



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



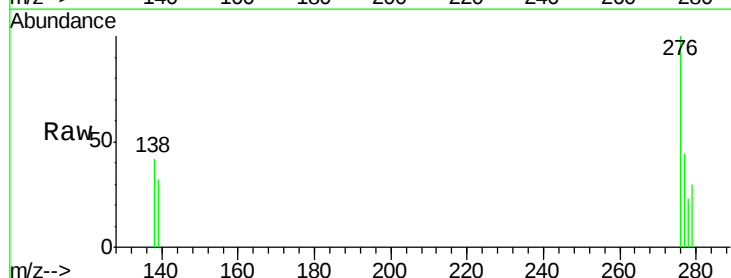
Time--> 27.10 27.20 27.30 27.40



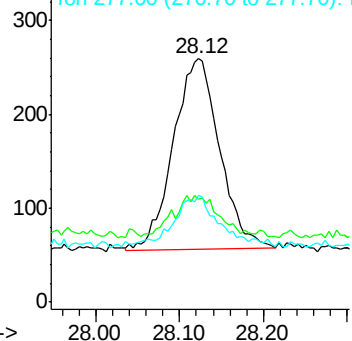
#26

Benzo(g,h,i)perylene  
Concen: 0.023 ng/ul  
RT: 28.12 min Scan# 3747  
Delta R.T. 0.00 min  
Lab File: BE095303.D  
Acq: 31 Jan 2018 6:37

Tgt Ion:276 Resp: 776  
Ion Ratio Lower Upper  
276 100  
138 42.5 21.8 32.8#  
277 43.6 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



Time--> 28.00 28.10 28.20

