

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042718\
 Data File : BE096204.D
 Acq On : 27 Apr 2018 12:46
 Operator : SJ/JU
 Sample : J2449-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 27 23:58:31 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 23:57:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	645	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2476	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1379	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	3339	0.40	ng/ul	0.00
16) Chrysene-d12	21.74	240	4212	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	3817	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.74	152	285	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	841	0.05	ng/ul	0.00

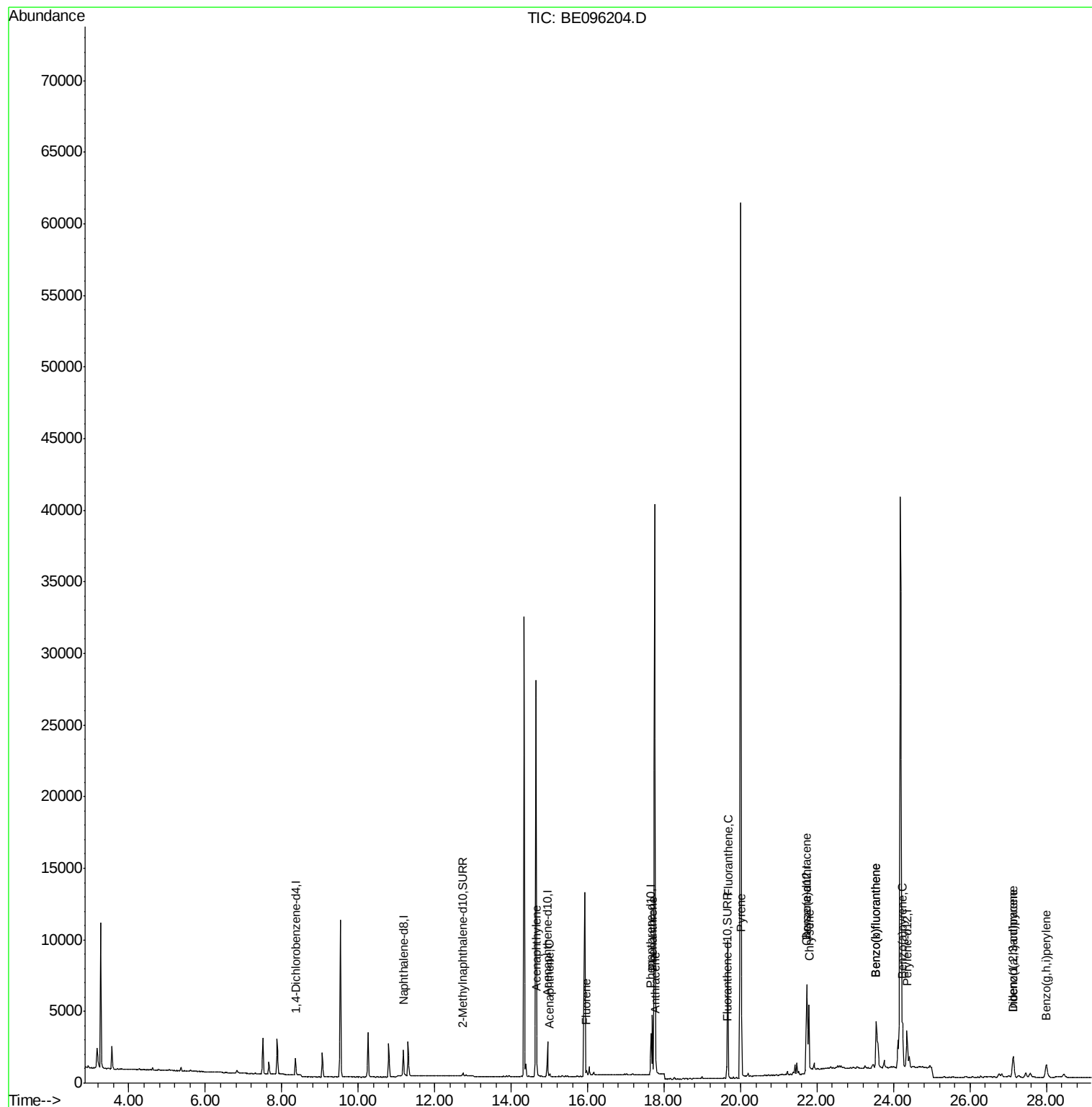
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	14.67	152	296	0.042	ng/ul#	63
8) Acenaphthene	15.01	153	126	0.025	ng/ul#	81
9) Fluorene	15.97	166	224	0.033	ng/ul#	84
12) Phenanthrene	17.70	178	4447	0.452	ng/ul#	89
13) Anthracene	17.79	178	923	0.094	ng/ul#	93
15) Fluoranthene	19.67	202	10589	0.705	ng/ul	84
17) Pyrene	20.02	202	4129	0.489	ng/ul#	79
18) Benzo(a)anthracene	21.73	228	3143	0.246	ng/ul#	87
19) Chrysene	21.79	228	4695	0.401	ng/ul	95
21) Benzo(b)fluoranthene	23.54	252	8386	0.580	ng/ul	91
22) Benzo(k)fluoranthene	23.54	252	8386	0.607	ng/ul	93
23) Benzo(a)pyrene	24.23	252	4216	0.336	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	27.13	276	2693	0.159	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.14	278	704	0.050	ng/ul#	67
26) Benzo(g,h,i)perylene	27.99	276	2266	0.154	ng/ul#	93

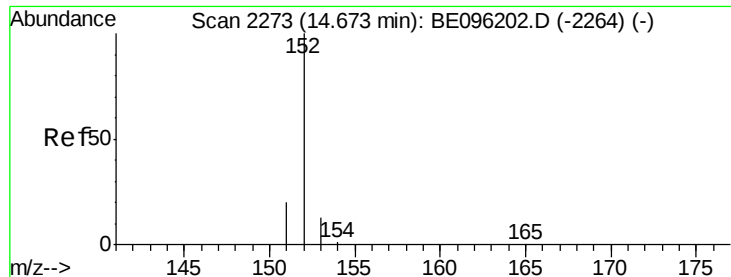
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.042 ng/ul

RT: 14.67 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

Instrument :

BNA_E

ClientSampleId :

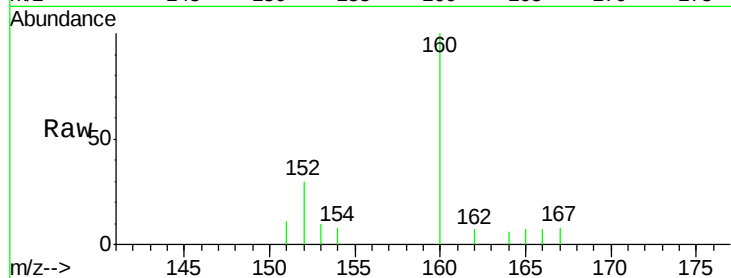
Tot Ion:152 Resp: 296

Ion Ratio Lower Upper

152 100

151 37.5 17.1 25.7#

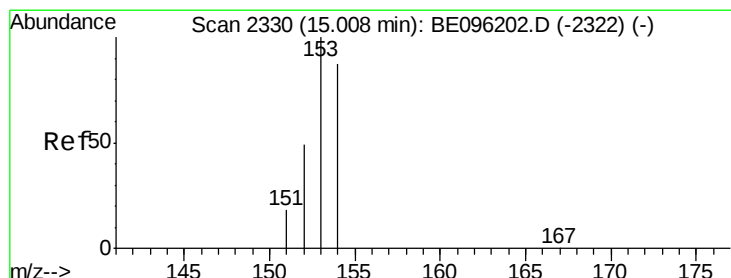
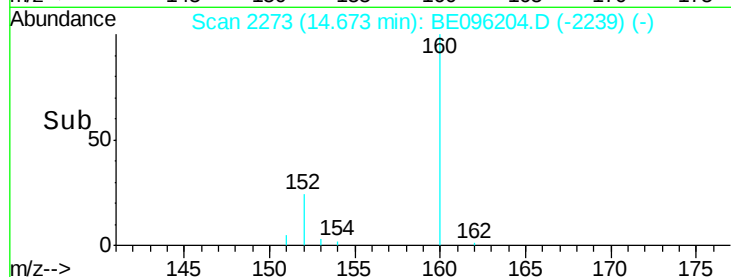
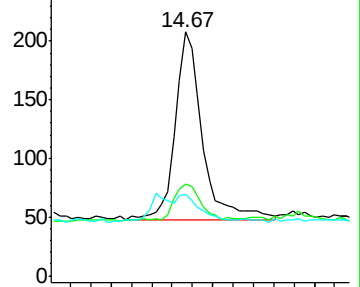
153 33.2 12.8 19.2#



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: 0.025 ng/ul

RT: 15.01 min Scan# 2330

Delta R.T. 0.00 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

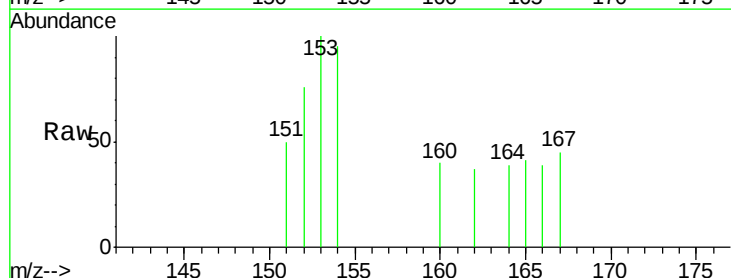
Tgt Ion:153 Resp: 126

Ion Ratio Lower Upper

153 100

152 76.0 36.0 54.0#

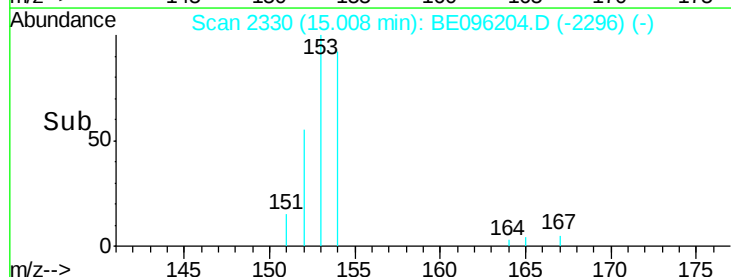
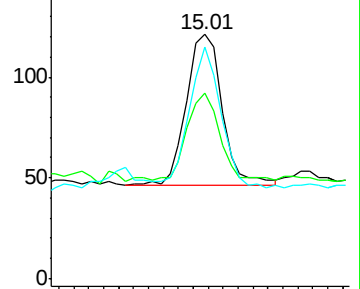
154 95.0 72.0 108.0

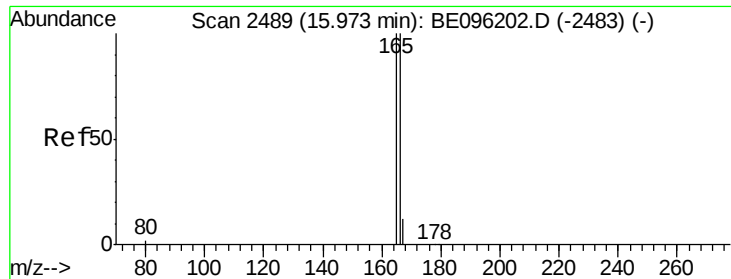


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.033 ng/ul

RT: 15.97 min Scan# 2489

Delta R.T. -0.00 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

Instrument :

BNA_E

ClientSampleId :

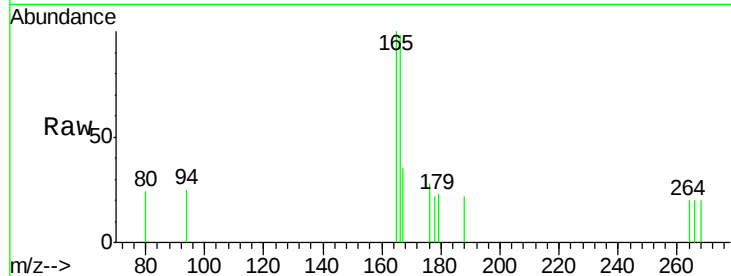
Tot Ion:166 Resp: 224

Ion Ratio Lower Upper

166 100

165 102.4 73.4 110.2

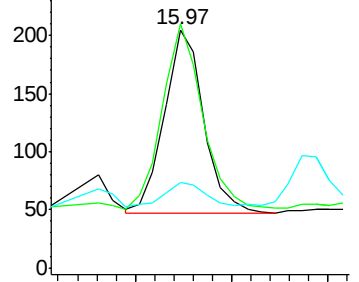
167 35.6 14.6 22.0#



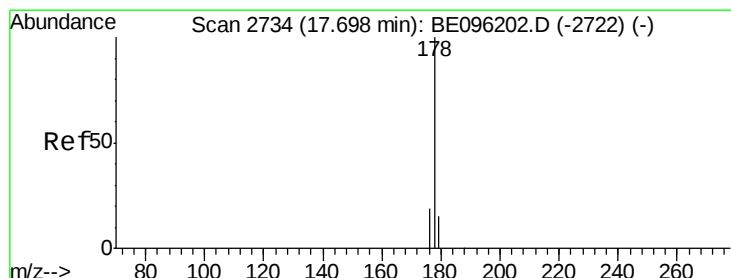
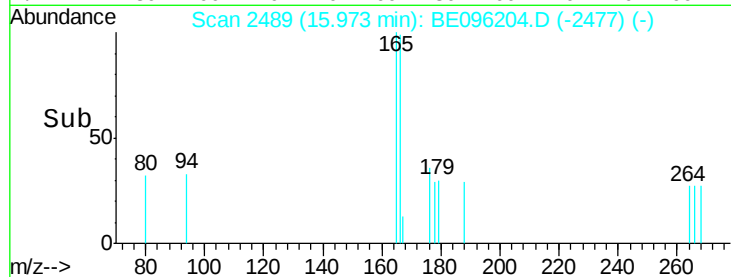
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 0.452 ng/ul

RT: 17.70 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

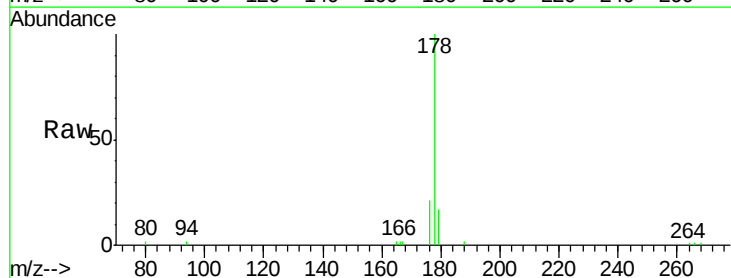
Tgt Ion:178 Resp: 4447

Ion Ratio Lower Upper

178 100

179 16.7 18.4 27.6#

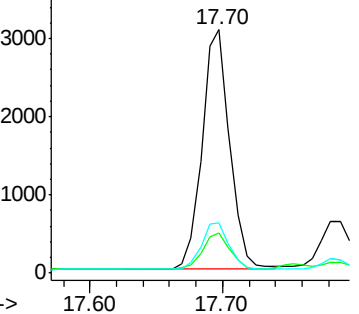
176 20.6 13.6 20.4#



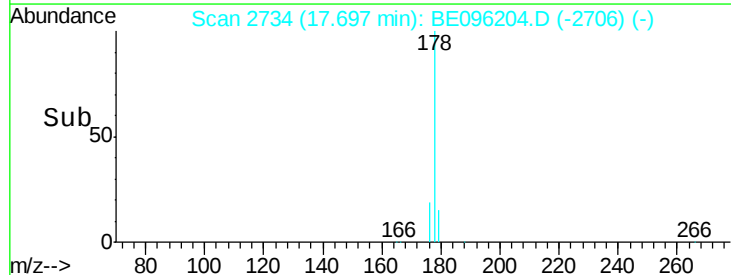
Abundance Ion 178.00 (177.70 to 178.70): E

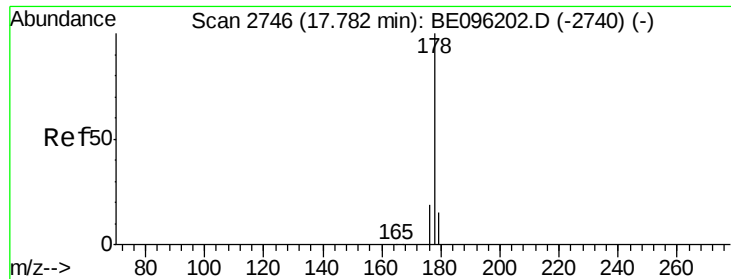
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.094 ng/ul

RT: 17.79 min Scan# 2747

Delta R.T. 0.01 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

Instrument :

BNA_E

ClientSampleId :

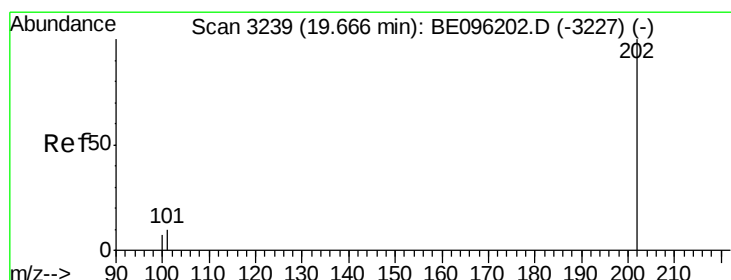
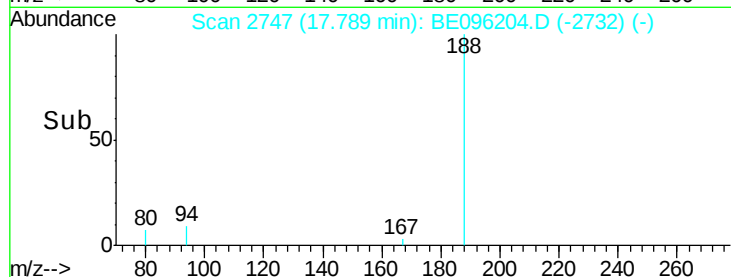
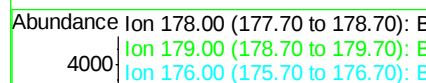
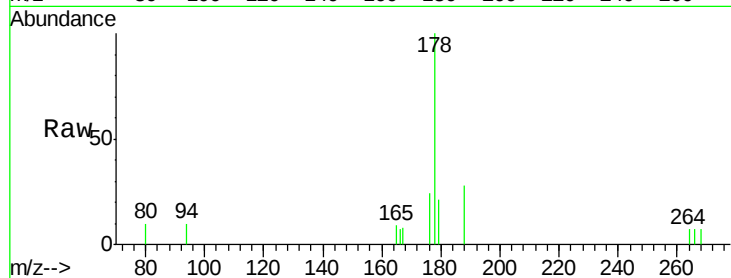
Tot Ion:178 Resp: 923

Ion Ratio Lower Upper

178 100

179 21.3 18.1 27.1

176 24.3 14.7 22.1#



#15

Fluoranthene

Concen: 0.705 ng/ul

RT: 19.67 min Scan# 3239

Delta R.T. 0.00 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

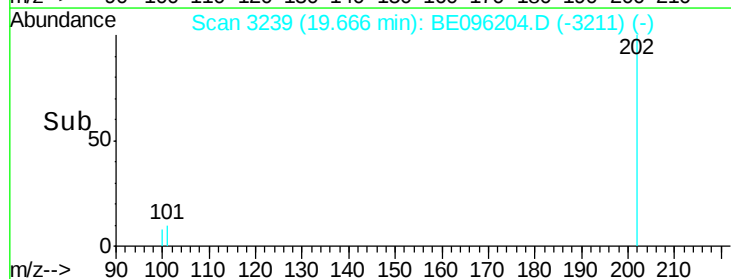
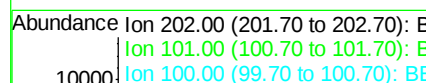
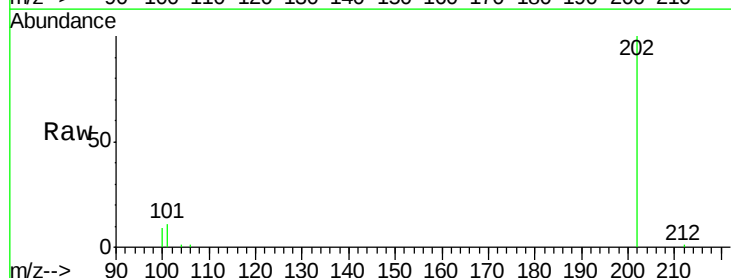
Tgt Ion:202 Resp: 10589

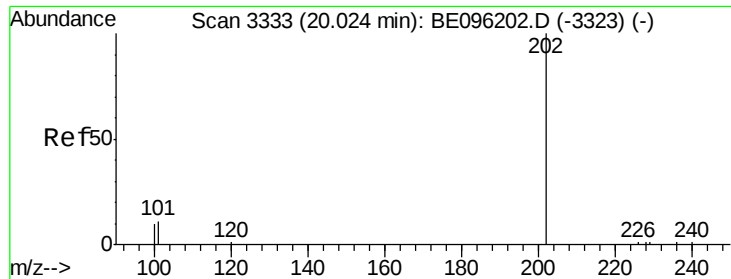
Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

100 9.0 0.0 39.5

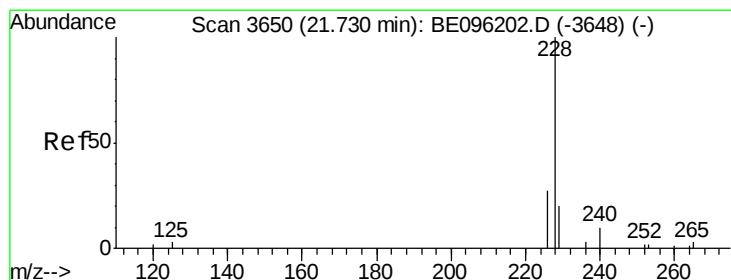
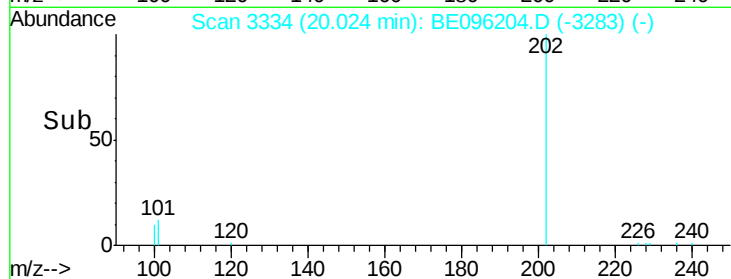
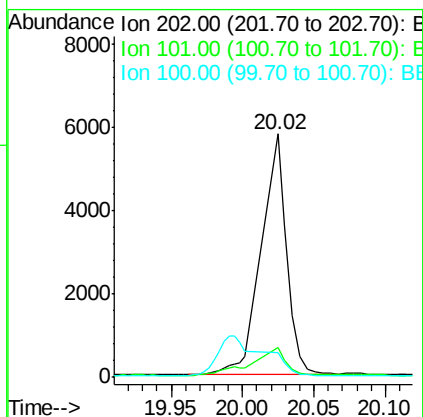
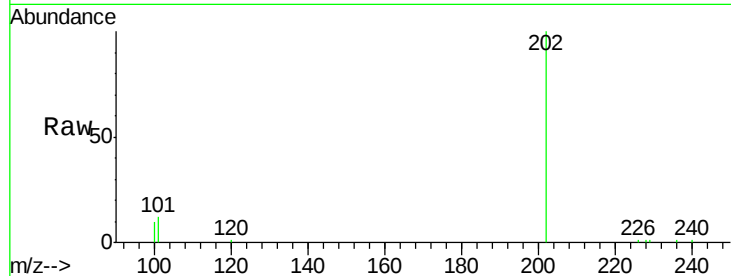




#17
Pvrene
Concen: 0.489 ng/ul
RT: 20.02 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BE096204.D
Acq: 27 Apr 2018 12:46

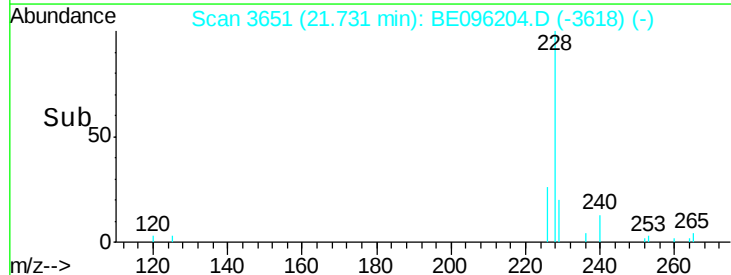
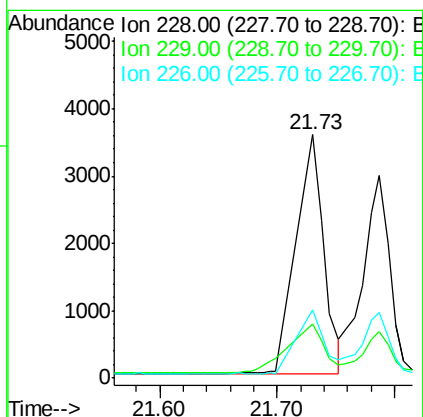
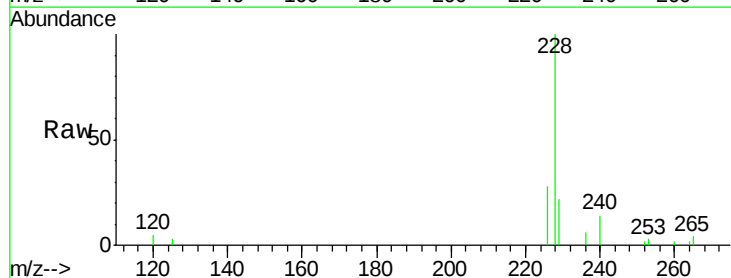
Instrument :
BNA_E
ClientSampleId :

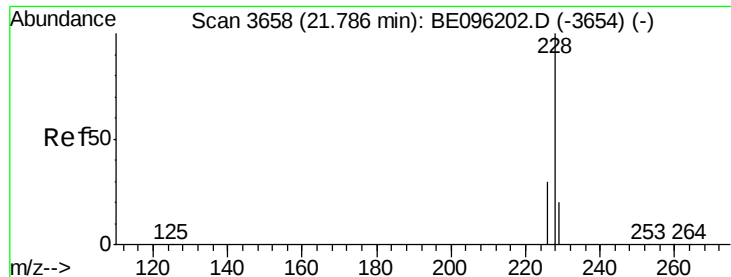
Tot Ion:202 Resp: 4129
Ion Ratio Lower Upper
202 100
101 12.3 18.2 27.4#
100 10.3 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.246 ng/ul
RT: 21.73 min Scan# 3651
Delta R.T. 0.00 min
Lab File: BE096204.D
Acq: 27 Apr 2018 12:46

Tgt Ion:228 Resp: 3143
Ion Ratio Lower Upper
228 100
229 22.5 22.8 34.2#
226 28.0 17.0 25.6#





#19

Chrysene

Concen: 0.401 ng/ul

RT: 21.79 min Scan# 3659

Delta R.T. 0.00 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

Instrument :

BNA_E

ClientSampled :

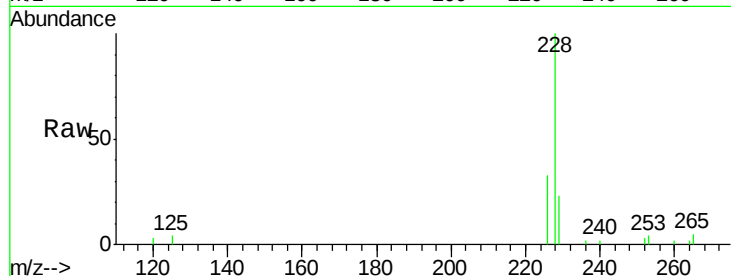
Tot Ion:228 Resp: 4695

Ion Ratio Lower Upper

228 100

226 32.6 23.4 35.0

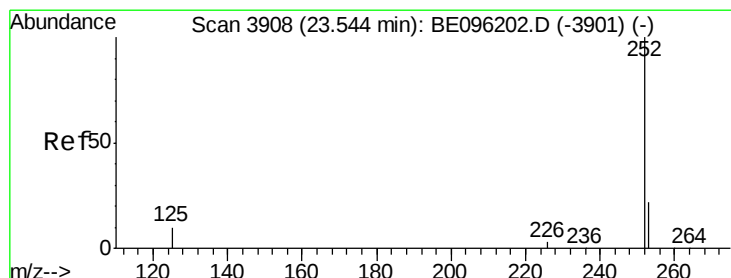
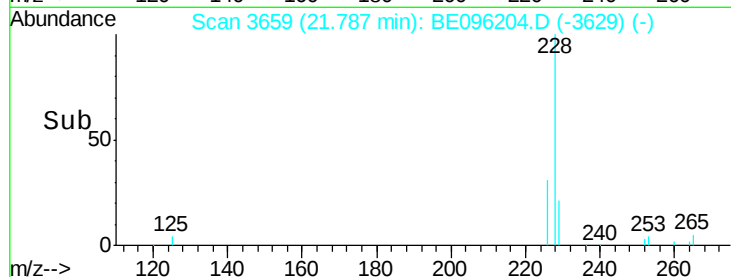
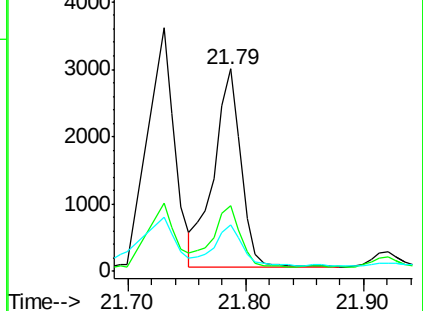
229 23.2 17.7 26.5



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: 0.580 ng/ul

RT: 23.54 min Scan# 3909

Delta R.T. 0.00 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

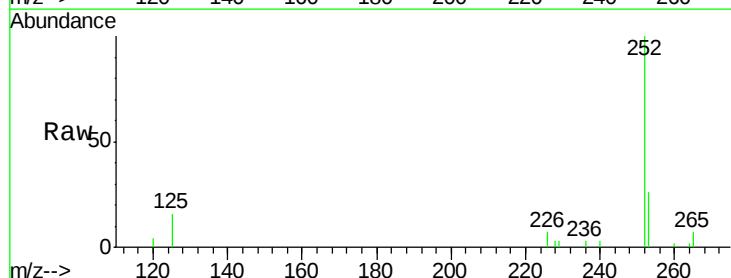
Tgt Ion:252 Resp: 8386

Ion Ratio Lower Upper

252 100

253 25.5 0.0 64.2

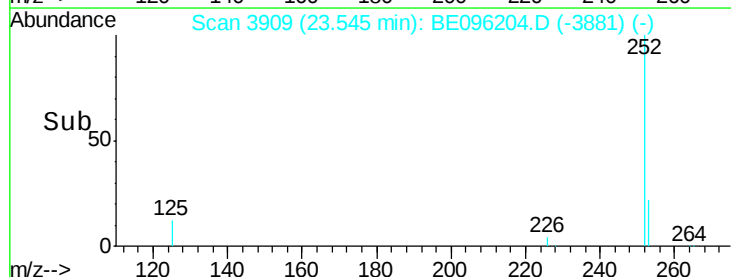
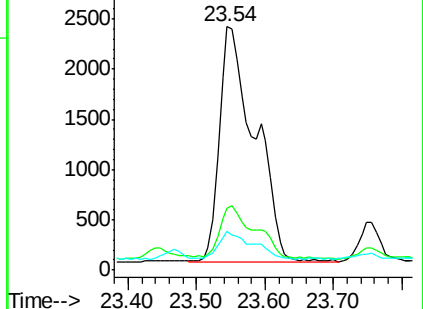
125 16.0 0.0 35.0

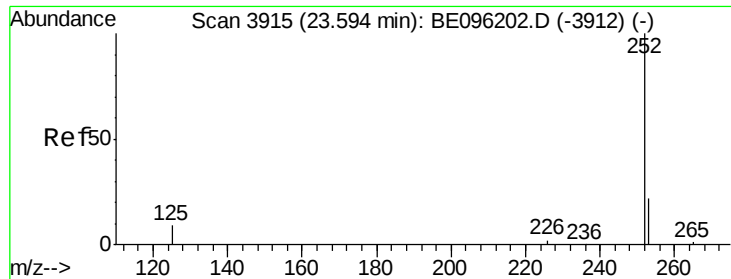


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.607 ng/ul

RT: 23.54 min Scan# 3909

Delta R.T. -0.05 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

Instrument :

BNA_E

ClientSampleId :

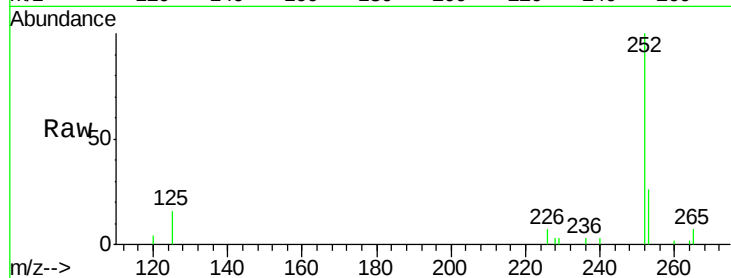
Tot Ion:252 Resp: 8386

Ion Ratio Lower Upper

252 100

253 25.5 24.5 36.7

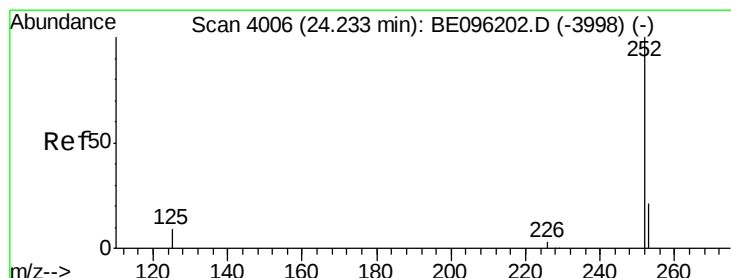
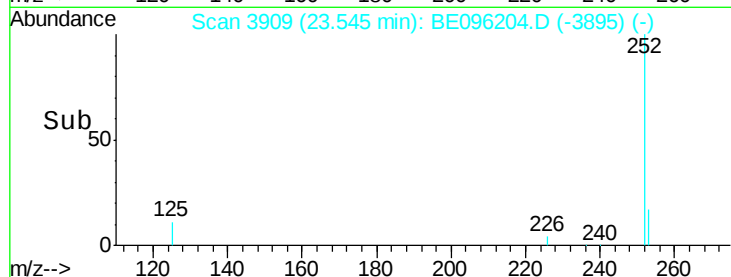
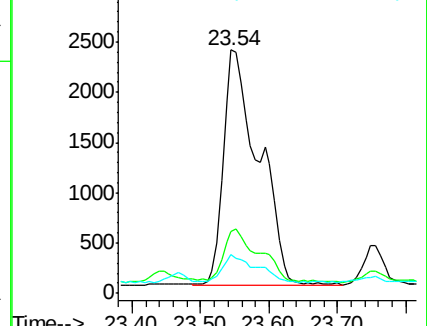
125 16.0 13.7 20.5



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: 0.336 ng/ul

RT: 24.23 min Scan# 4007

Delta R.T. 0.00 min

Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

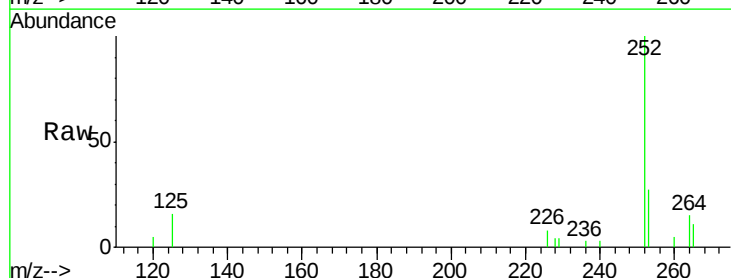
Tgt Ion:252 Resp: 4216

Ion Ratio Lower Upper

252 100

253 27.1 28.5 42.7#

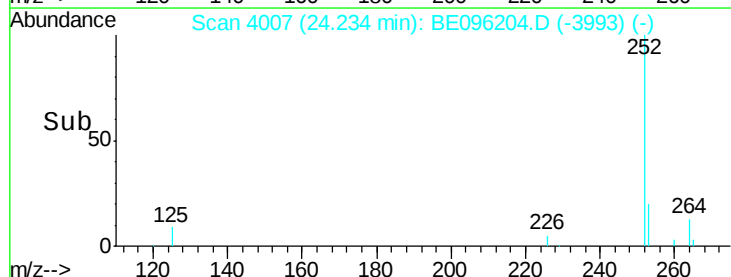
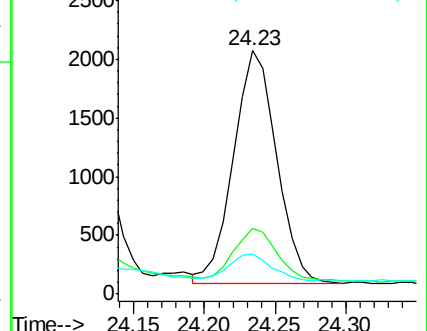
125 16.4 18.1 27.1#

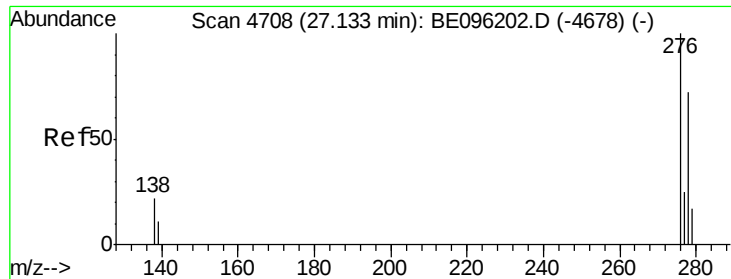


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

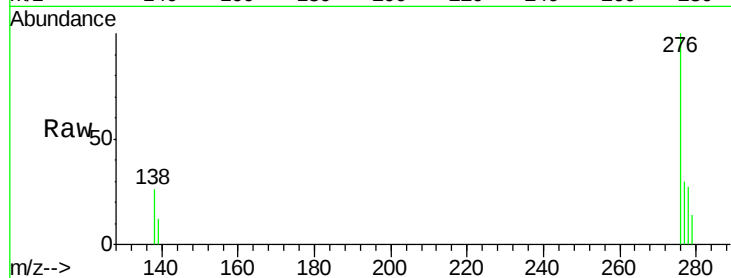




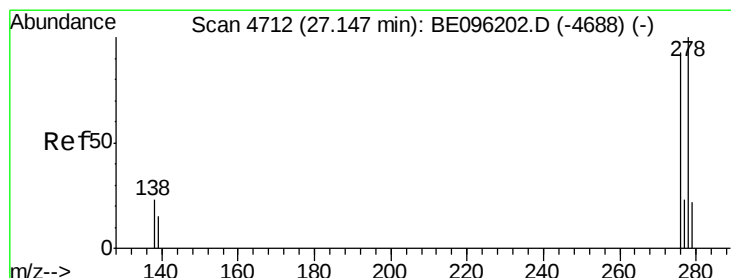
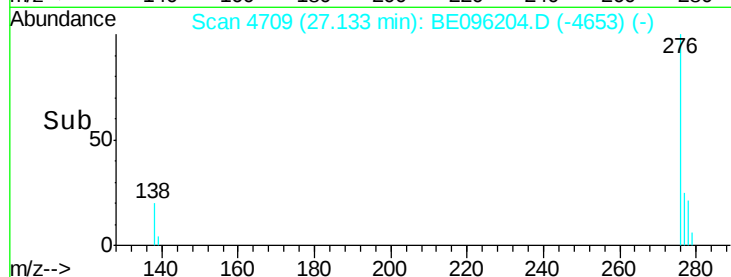
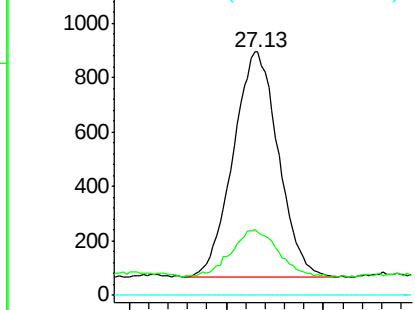
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.159 ng/ul
 RT: 27.13 min Scan# 4709
 Delta R.T. 0.00 min
 Lab File: BE096204.D
 Acq: 27 Apr 2018 12:46

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 2693
 Ion Ratio Lower Upper
 276 100
 138 21.9 28.0 42.0#
 227 0.0 8.0 12.0#

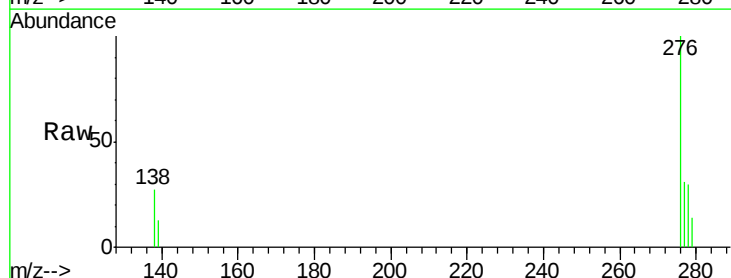


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

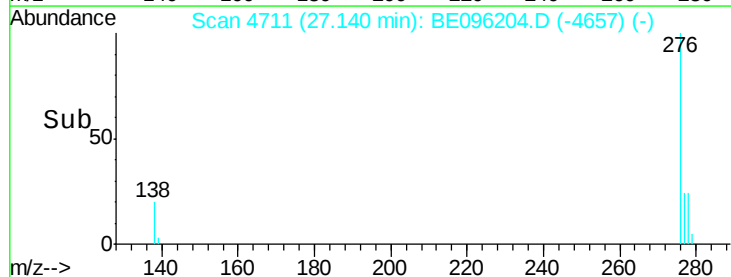
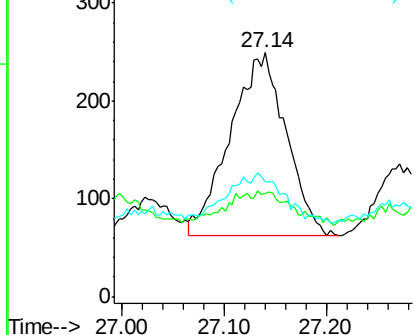


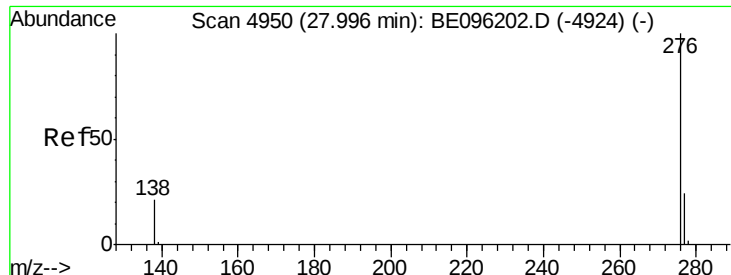
#25
 Dibenzo(a,h)anthracene
 Concen: 0.050 ng/ul
 RT: 27.14 min Scan# 4711
 Delta R.T. -0.01 min
 Lab File: BE096204.D
 Acq: 27 Apr 2018 12:46

Tgt Ion:278 Resp: 704
 Ion Ratio Lower Upper
 278 100
 139 42.2 17.4 26.0#
 279 47.4 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(a,h,i)perylene

Concen: 0.154 ng/ul

RT: 27.99 min Scan# 4950

Delta R.T. -0.00 min

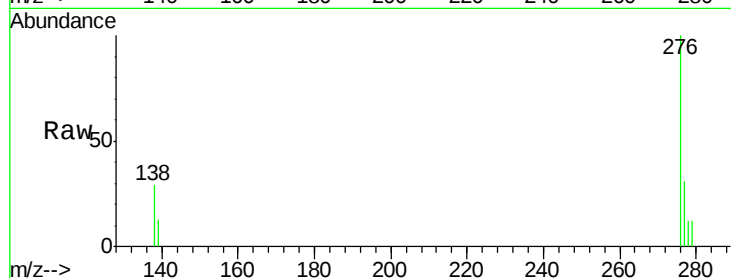
Lab File: BE096204.D

Acq: 27 Apr 2018 12:46

Instrument :

BNA_E

ClientSampleId :



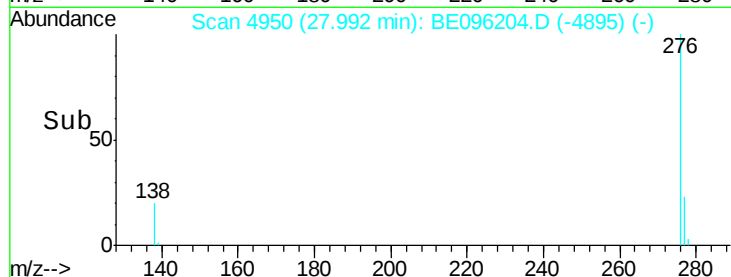
Tot Ion: 276 Resp: 2266

Ion Ratio Lower Upper

276 100

138 28.6 21.8 32.8

277 31.4 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

