

Data Path : Z:\HPCHEM1\BNA E\Data\BE042318\
 Data File : BE096110.D
 Acq On : 24 Apr 2018 6:12
 Operator : SJ/JU
 Sample : J2434-07DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC2DL

Quant Time: Apr 24 11:03:27 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

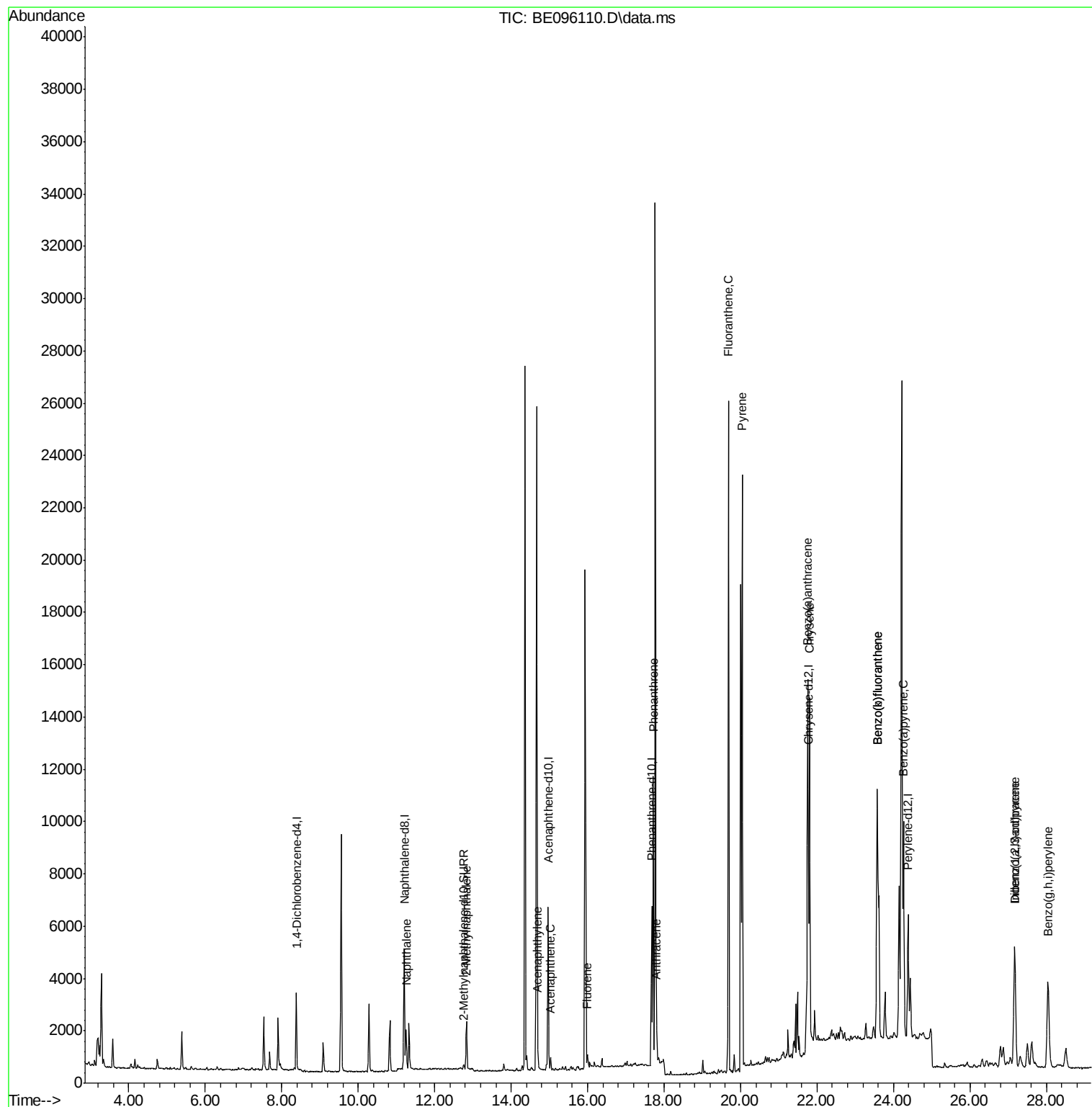
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.382	152	2144	0.40	ng/ul	0.00
2) Naphthalene-d8	11.202	136	6040	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.966	164	3395	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.677	188	7406	0.40	ng/ul	0.00
16) Chrysene-d12	21.766	240	8332	0.40	ng/ul	0.00
20) Perylene-d12	24.382	264	7269	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.764	152	240	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.659	212	588	0.02	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	11.254	128	2044	0.12	ng/ul#	91
5) 2-Methylnaphthalene	12.835	142	1556	0.14	ng/ul	98
7) Acenaphthylene	14.695	152	809	0.05	ng/ul#	86
8) Acenaphthene	15.030	153	286	0.02	ng/ul#	85
9) Fluorene	15.995	166	334	0.02	ng/ul#	84
12) Phenanthrene	17.719	178	11893	0.54	ng/ul#	89
13) Anthracene	17.804	178	1355	0.06	ng/ul#	91
15) Fluoranthene	19.684	202	28321	0.95	ng/ul	85
17) Pyrene	20.041	202	26729	0.94	ng/ul#	78
18) Benzo(a)anthracene	21.745	228	14777	0.44	ng/ul#	85
19) Chrysene	21.808	228	13627	0.56	ng/ul	97
21) Benzo(b)fluoranthene	23.573	252	25403	1.08	ng/ul	86
22) Benzo(k)fluoranthene	23.573	252	25403	1.08	ng/ul#	88
23) Benzo(a)pyrene	24.262	252	12520	0.55	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	27.166	276	8872	0.35	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.176	278	2415	0.12	ng/ul#	87
26) Benzo(g,h,i)perylene	28.043	276	8556	0.41	ng/ul	95

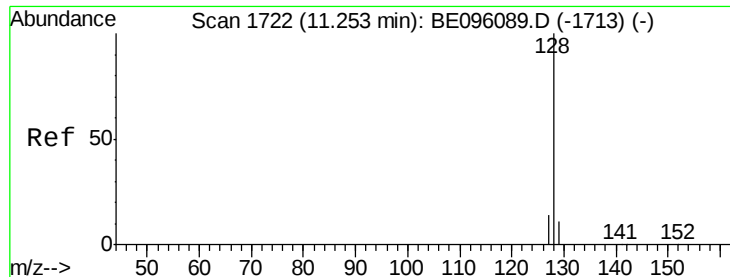
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 11.254 min Scan# 17

Delta R.T. 0.001 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA_E

ClientSampleId :

C0AC2DL

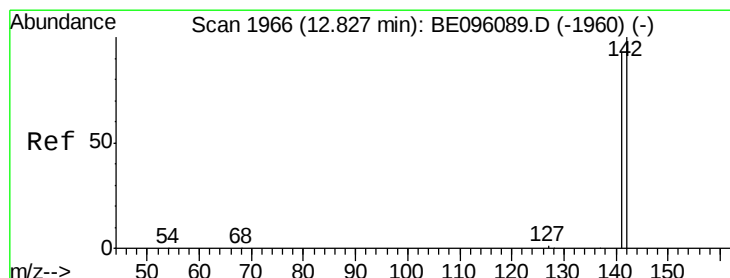
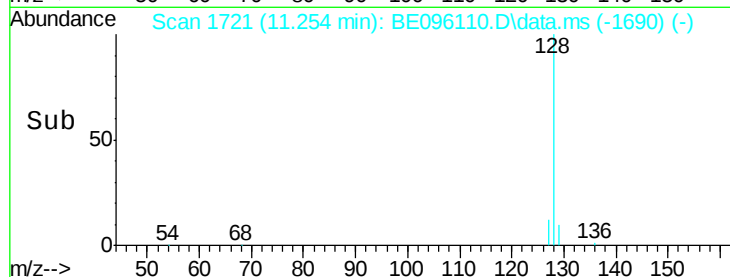
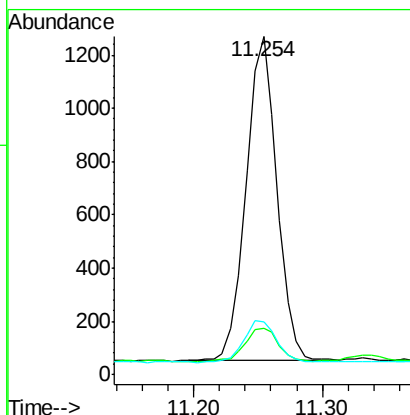
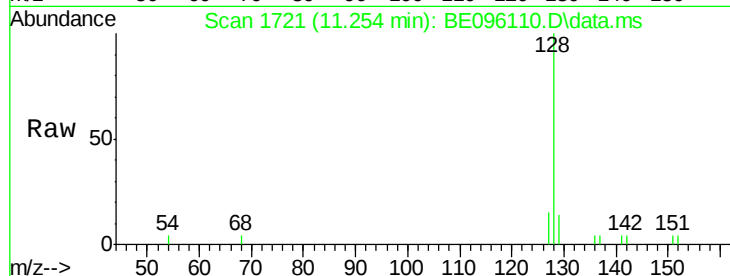
Tot Ion:128 Resp: 2044

Ion Ratio Lower Upper

128 100

129 13.8 11.3 16.9

127 15.4 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.14 ng/ul

RT: 12.835 min Scan# 1966

Delta R.T. 0.001 min

Lab File: BE096110.D

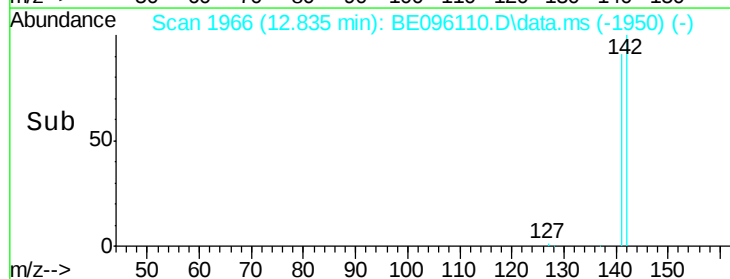
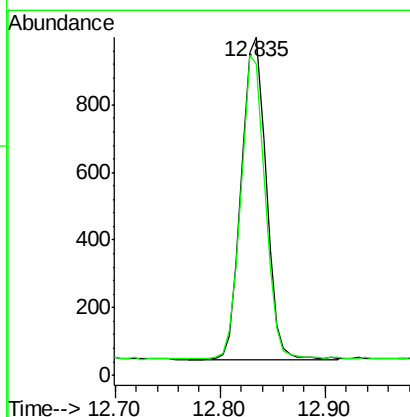
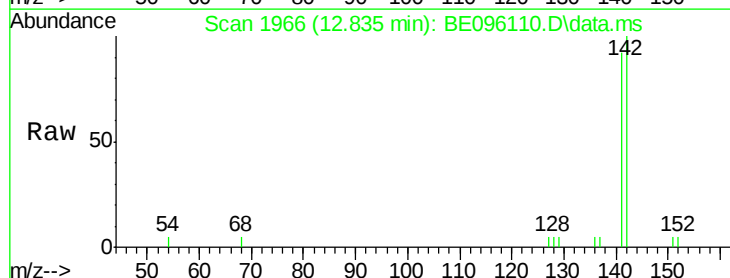
Acq: 24 Apr 2018 6:12

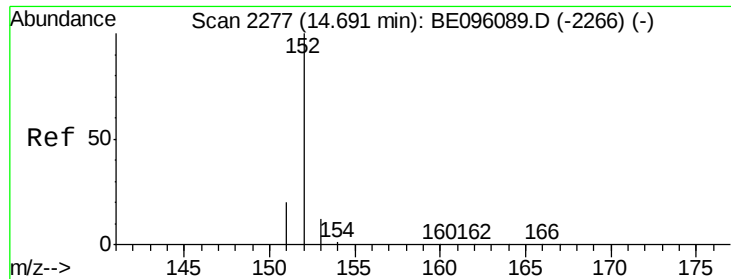
Tgt Ion:142 Resp: 1556

Ion Ratio Lower Upper

142 100

141 92.9 72.6 108.8





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.695 min Scan# 22

Delta R.T. -0.001 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA_E

ClientSampleId :

C0AC2DL

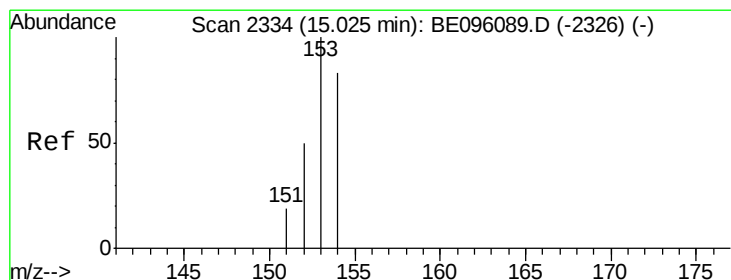
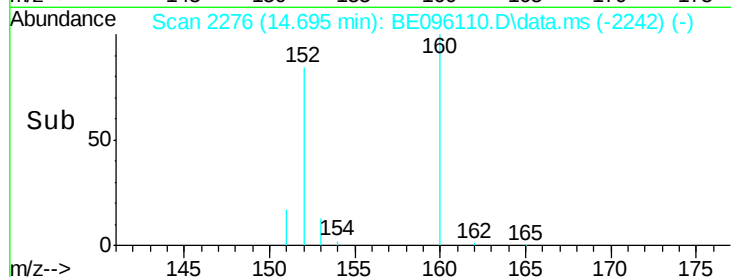
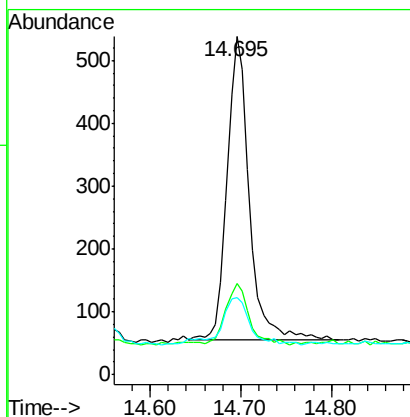
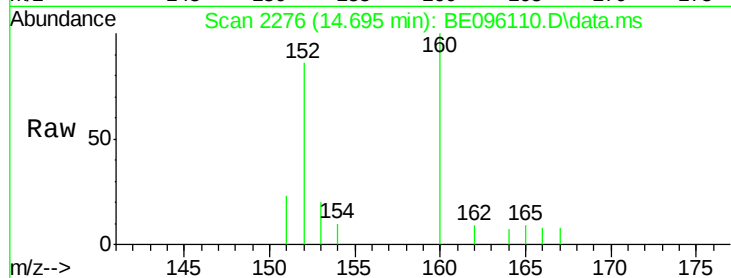
Tot Ion:152 Resp: 809

Ion Ratio Lower Upper

152 100

151 27.0 17.1 25.7#

153 22.9 12.8 19.2#



#8

Acenaphthene

Concen: 0.02 ng/ul

RT: 15.030 min Scan# 2333

Delta R.T. -0.001 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

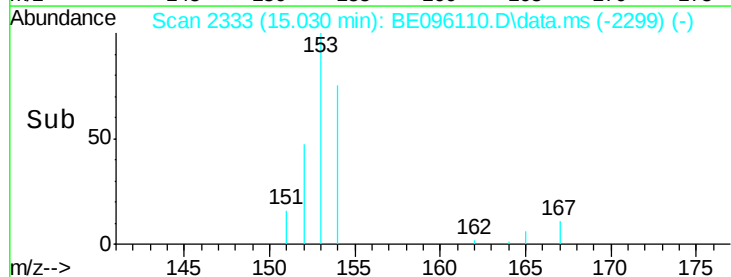
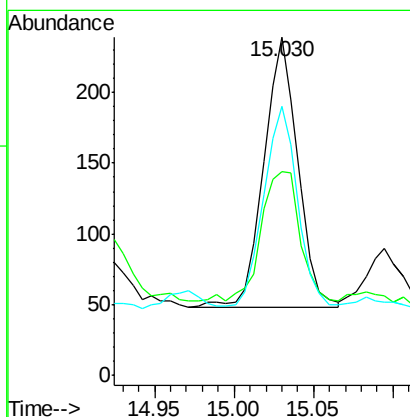
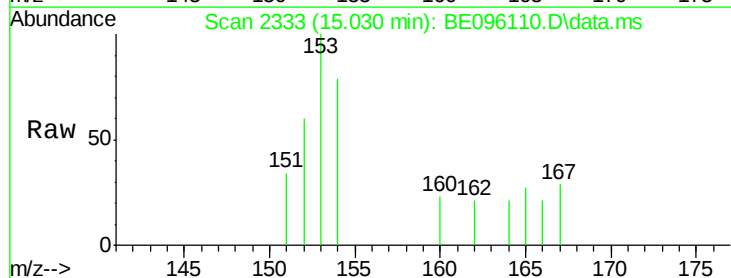
Tgt Ion:153 Resp: 286

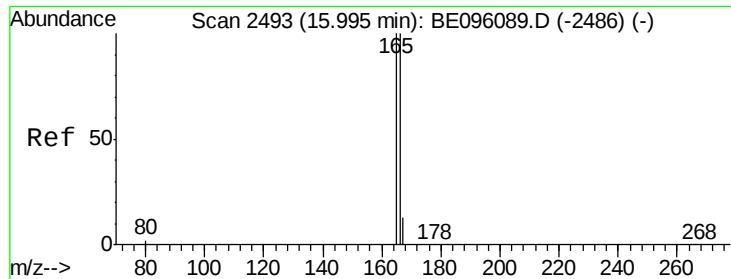
Ion Ratio Lower Upper

153 100

152 60.3 36.0 54.0#

154 79.5 72.0 108.0





#9

Fluorene

Concen: 0.02 ng/ul

RT: 15.995 min Scan# 24

Delta R.T. 0.001 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA_E

ClientSampleId :

C0AC2DL

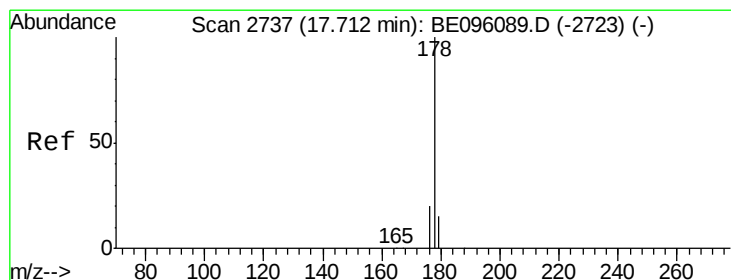
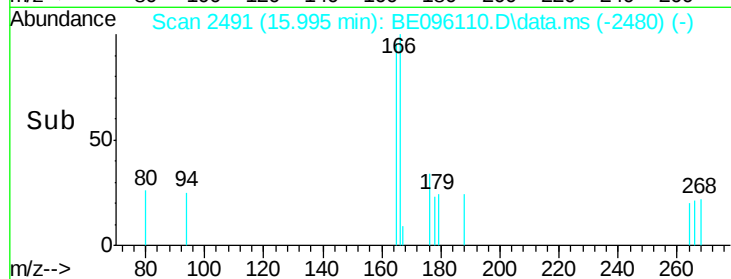
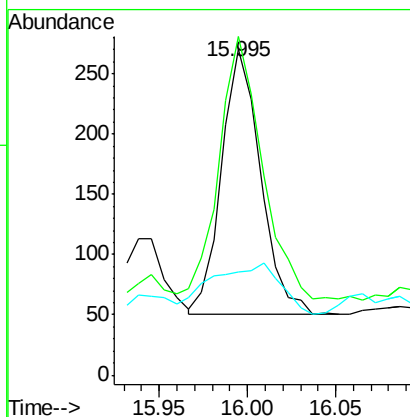
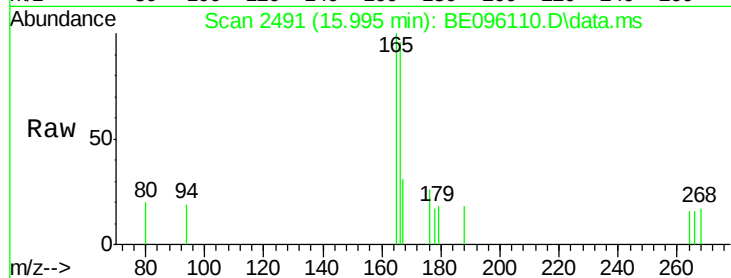
Tot Ion:166 Resp: 334

Ion Ratio Lower Upper

166 100

165 104.1 73.4 110.2

167 31.9 14.6 22.0#



#12

Phenanthrene

Concen: 0.54 ng/ul

RT: 17.719 min Scan# 2736

Delta R.T. 0.001 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

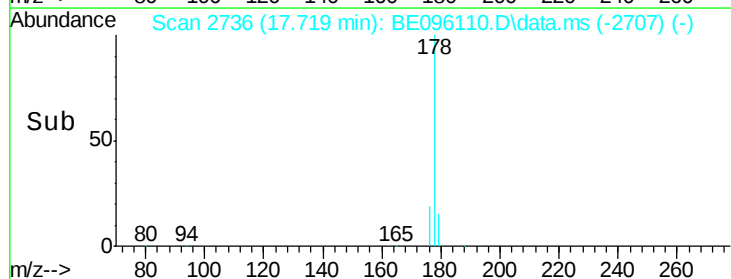
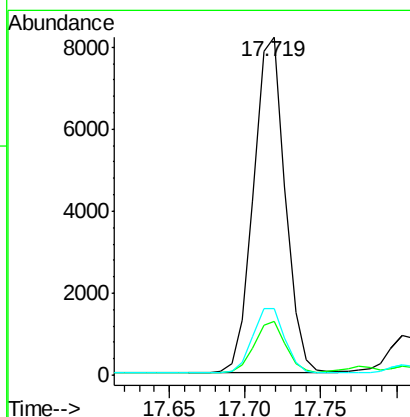
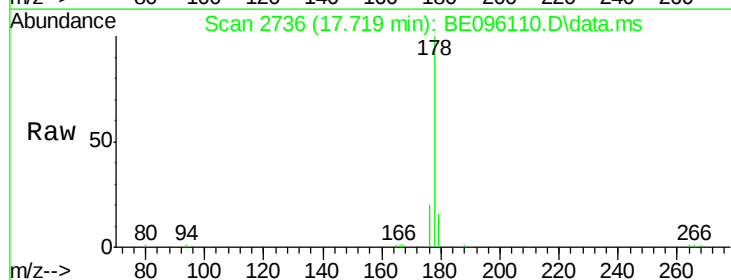
Tgt Ion:178 Resp: 11893

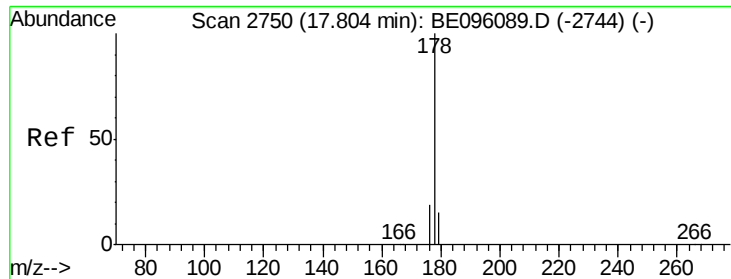
Ion Ratio Lower Upper

178 100

179 16.0 18.4 27.6#

176 19.9 13.6 20.4





#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.804 min Scan# 27

Delta R.T. 0.001 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA_E

ClientSampleId :

C0AC2DL

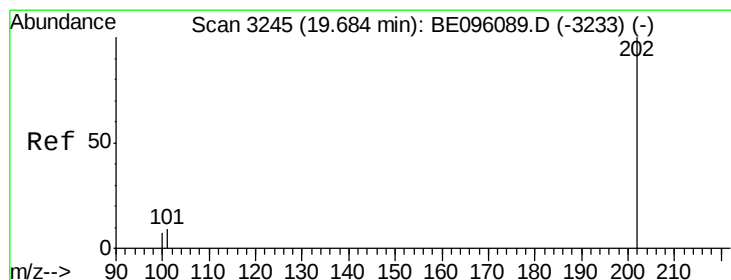
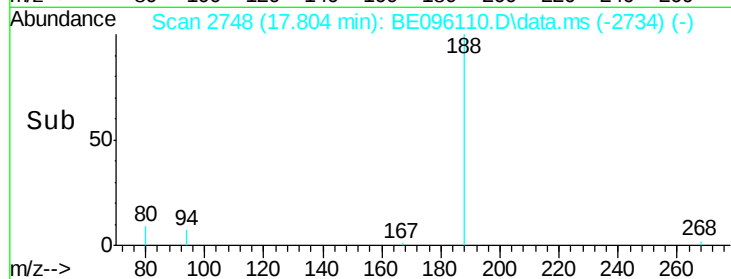
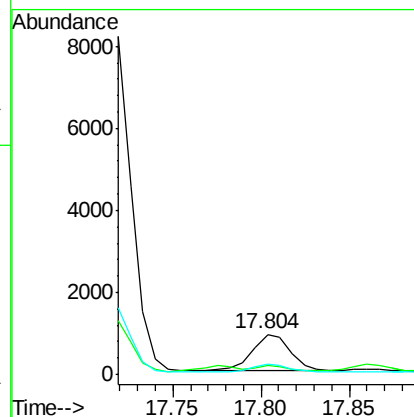
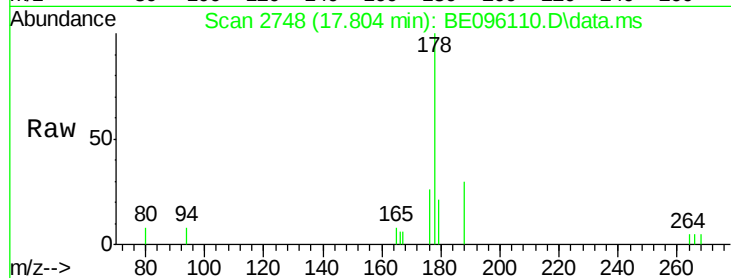
Tot Ion:178 Resp: 1355

Ion Ratio Lower Upper

178 100

179 21.1 18.1 27.1

176 25.6 14.7 22.1#



#15

Fluoranthene

Concen: 0.95 ng/ul

RT: 19.684 min Scan# 3243

Delta R.T. 0.000 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

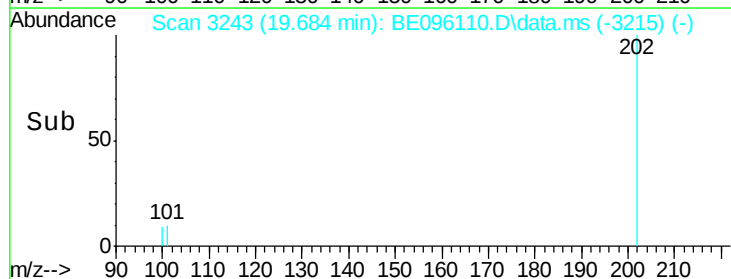
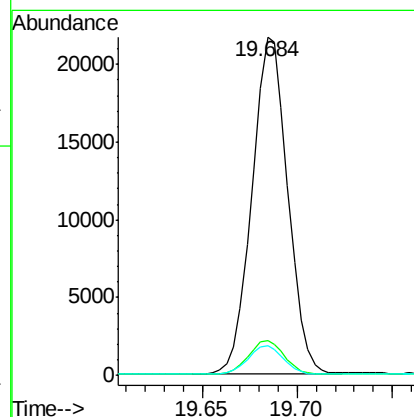
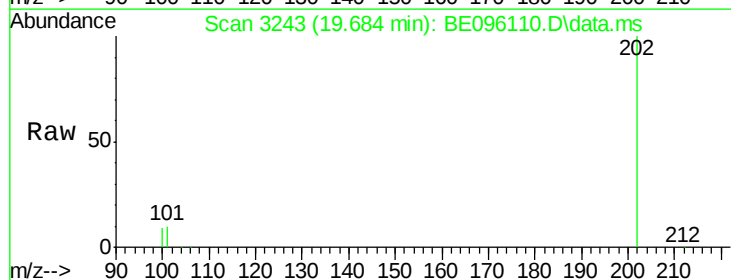
Tgt Ion:202 Resp: 28321

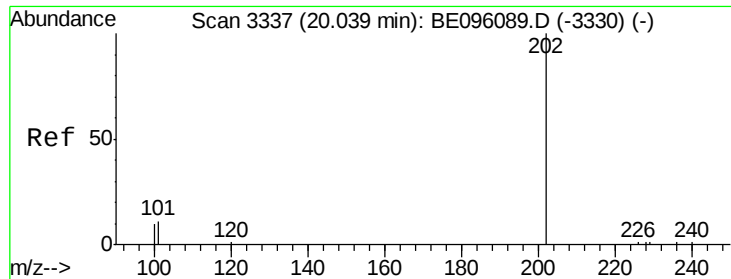
Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.3

100 8.8 0.0 39.5





#17

Pvrene

Concen: 0.94 ng/ul

RT: 20.041 min Scan# 3337

Delta R.T. 0.000 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA_E

ClientSampleId :

C0AC2DL

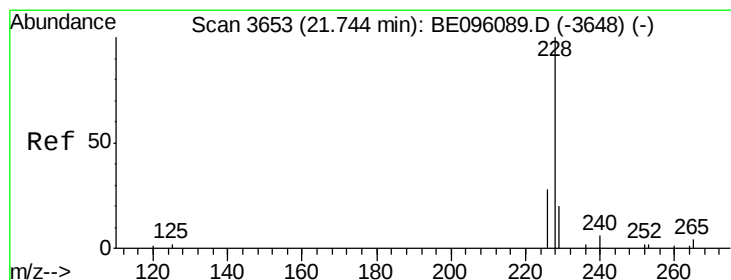
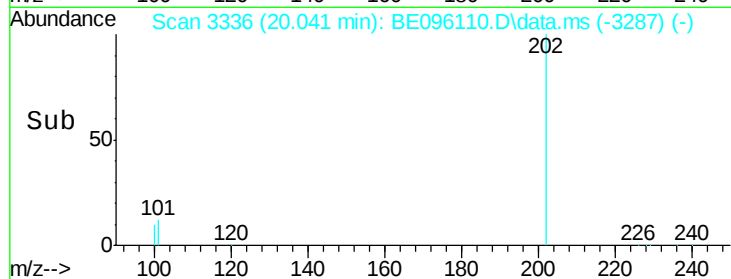
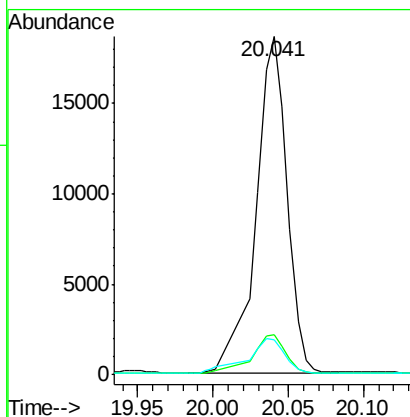
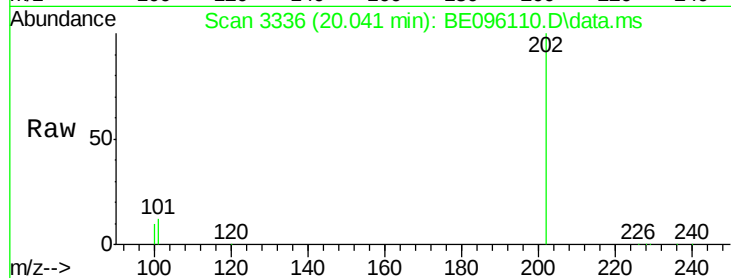
Tot Ion:202 Resp: 26729

Ion Ratio Lower Upper

202 100

101 11.8 18.2 27.4#

100 10.4 15.6 23.4#



#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.745 min Scan# 3652

Delta R.T. 0.001 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

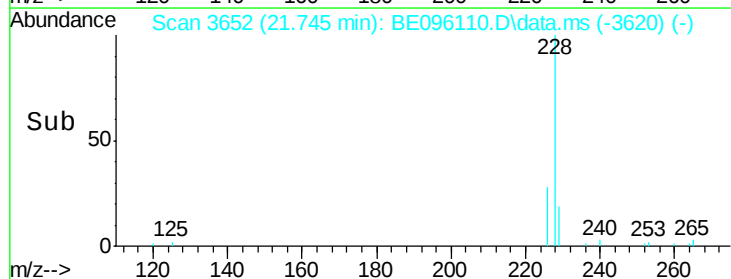
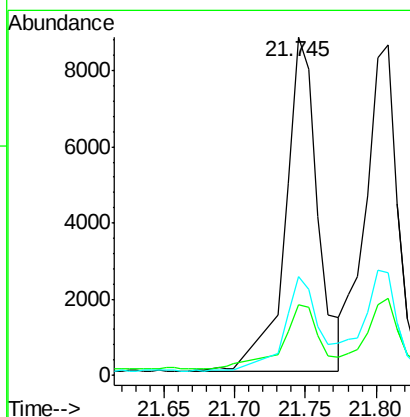
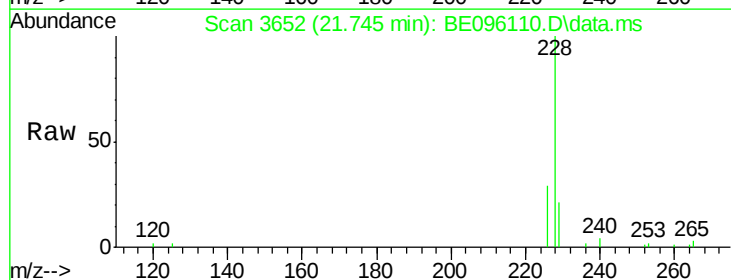
Tgt Ion:228 Resp: 14777

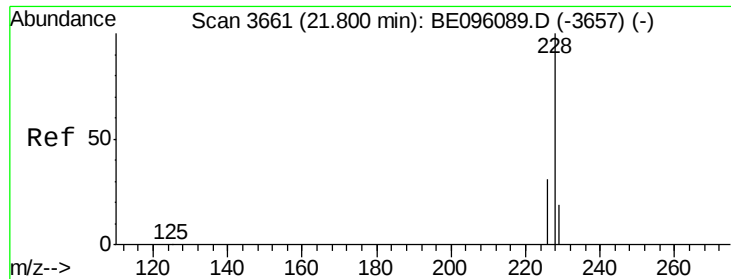
Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

226 29.3 17.0 25.6#





#19

Chrysene

Concen: 0.56 ng/ul

RT: 21.808 min Scan# 3661

Delta R.T. 0.001 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA_E

ClientSampleId :

C0AC2DL

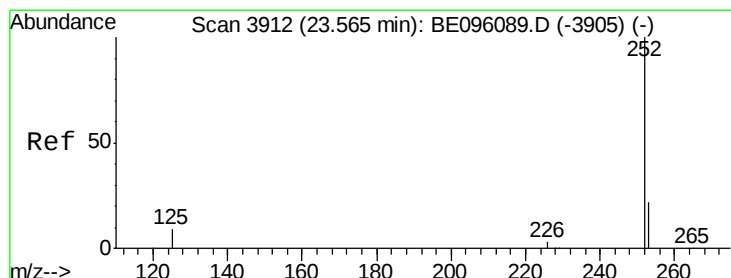
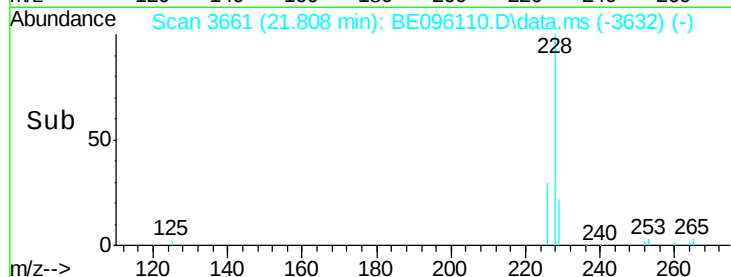
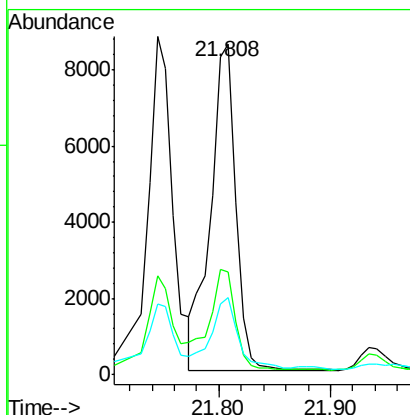
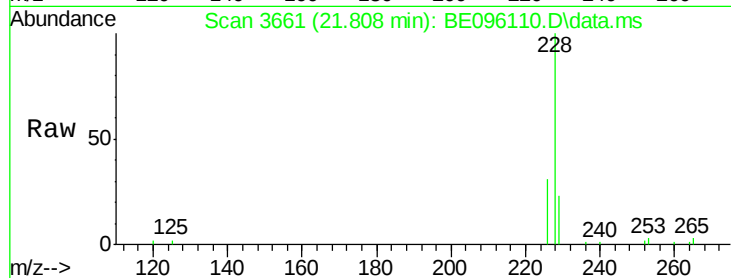
Tot Ion:228 Resp: 13627

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

229 23.3 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 1.08 ng/ul

RT: 23.573 min Scan# 3912

Delta R.T. 0.008 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

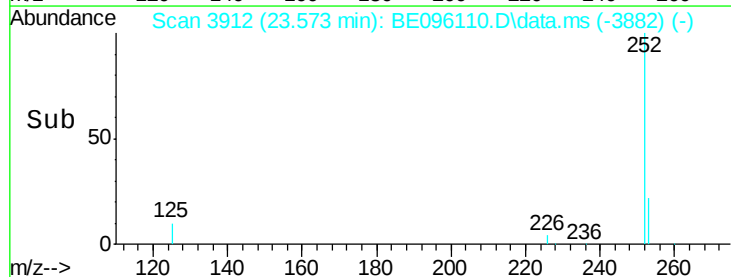
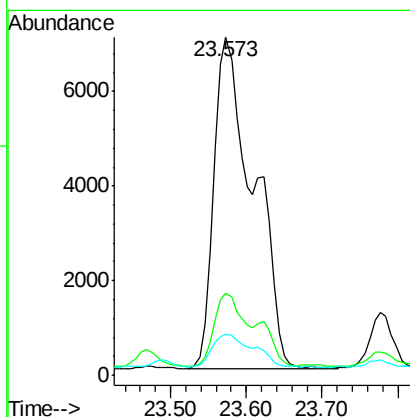
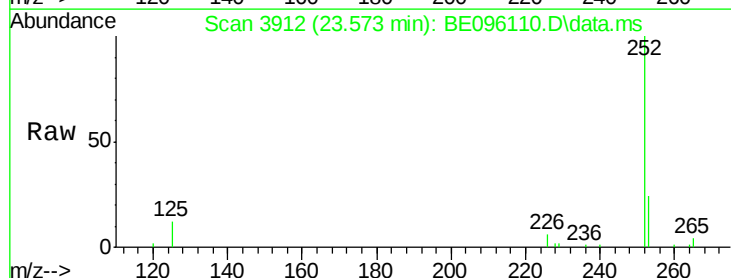
Tgt Ion:252 Resp: 25403

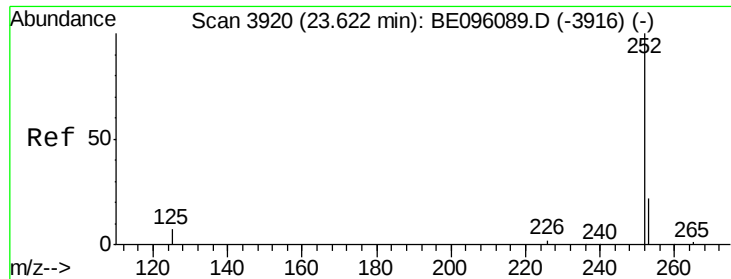
Ion Ratio Lower Upper

252 100

253 24.2 0.0 64.2

125 12.0 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 1.08 ng/ul

RT: 23.573 min Scan# 3912

Delta R.T. -0.048 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA_E

ClientSampleId :

C0AC2DL

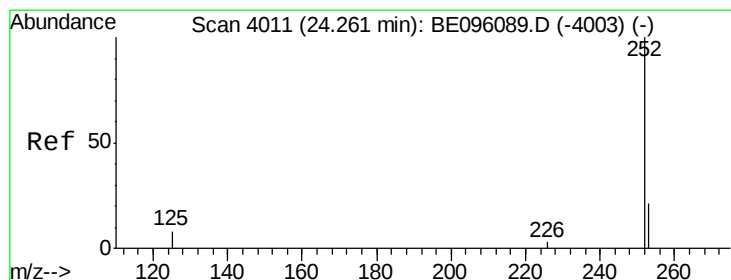
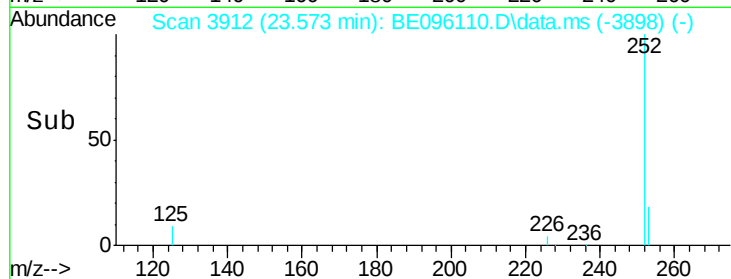
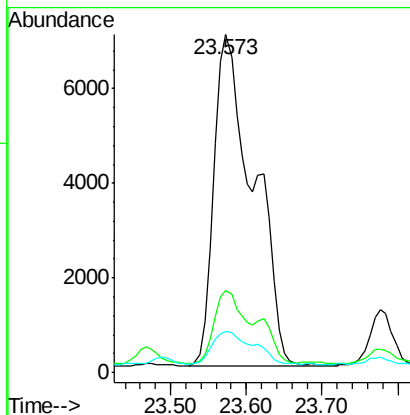
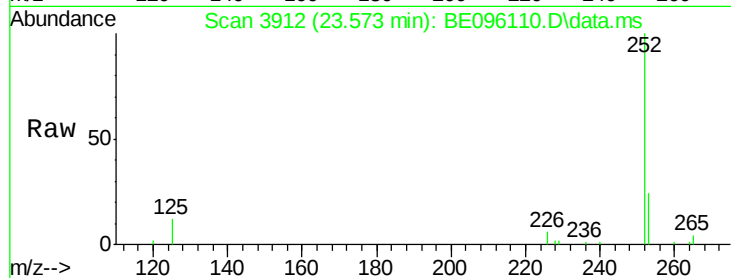
Tot Ion:252 Resp: 25403

Ion Ratio Lower Upper

252 100

253 24.2 24.5 36.7#

125 12.0 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.55 ng/ul

RT: 24.262 min Scan# 4010

Delta R.T. 0.001 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

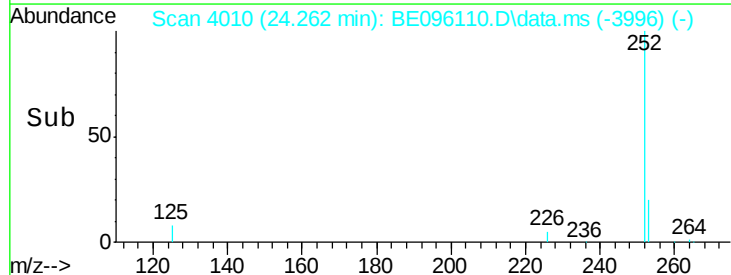
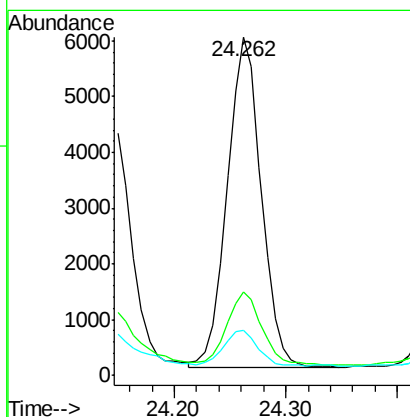
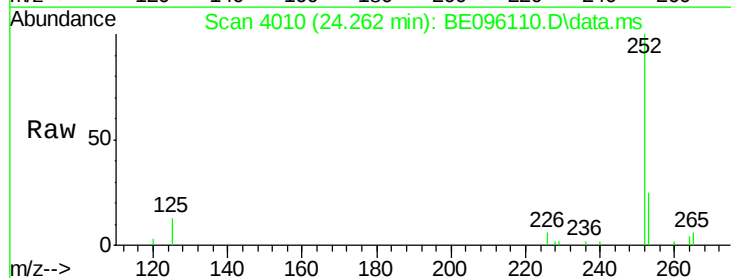
Tgt Ion:252 Resp: 12520

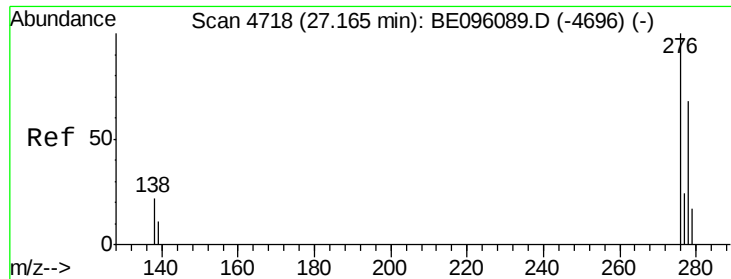
Ion Ratio Lower Upper

252 100

253 24.7 28.5 42.7#

125 13.1 18.1 27.1#

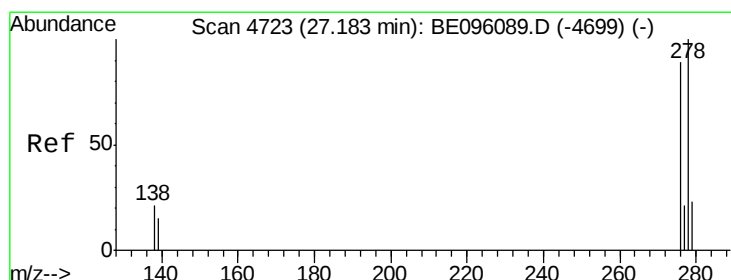
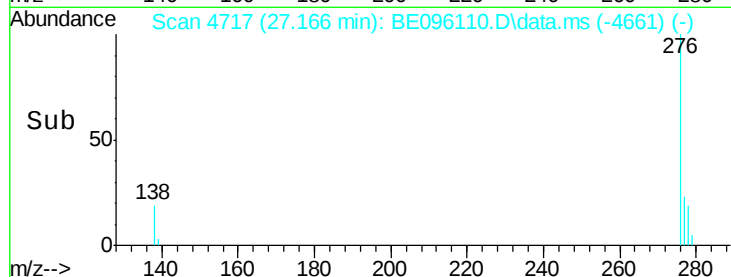
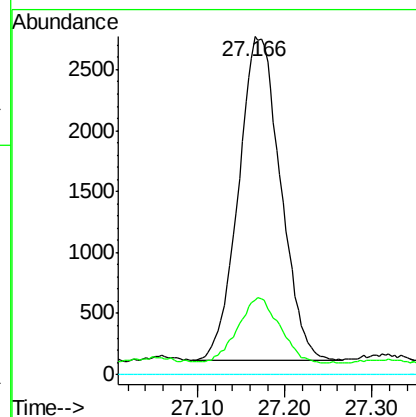
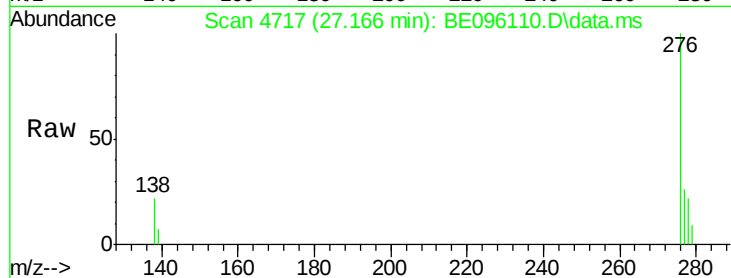




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.35 ng/ul
 RT: 27.166 min Scan# 4718
 Delta R.T. 0.000 min
 Lab File: BE096110.D
 Acq: 24 Apr 2018 6:12

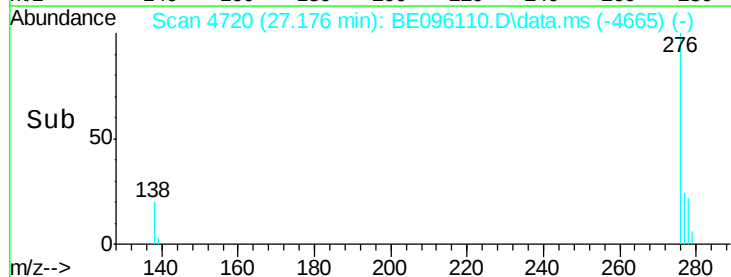
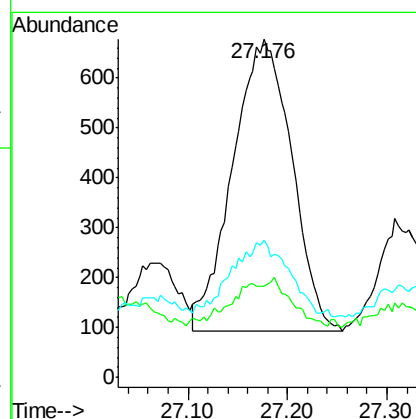
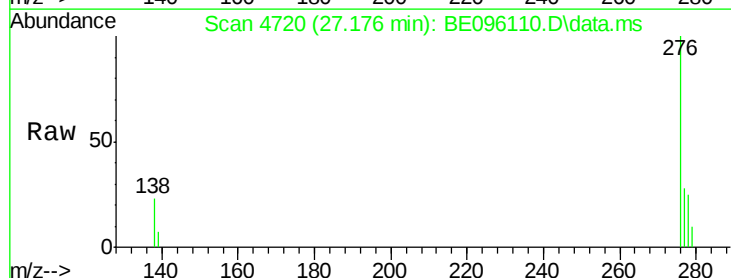
Instrument :
 BNA_E
 ClientSampleId :
 C0AC2DL

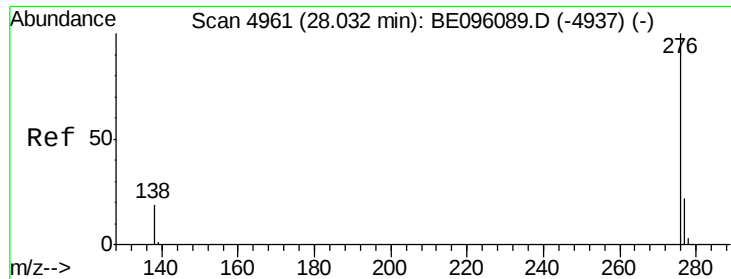
Tot Ion:276 Resp: 8872
 Ion Ratio Lower Upper
 276 100
 138 20.1 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.12 ng/ul
 RT: 27.176 min Scan# 4720
 Delta R.T. -0.003 min
 Lab File: BE096110.D
 Acq: 24 Apr 2018 6:12

Tgt Ion:278 Resp: 2415
 Ion Ratio Lower Upper
 278 100
 139 27.1 17.4 26.0#
 279 40.7 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.41 ng/ul

RT: 28.043 min Scan# 49

Delta R.T. 0.004 min

Lab File: BE096110.D

Acq: 24 Apr 2018 6:12

Instrument :

BNA_E

ClientSampleId :

C0AC2DL

Tot Ion:276 Resp: 8556

Ion Ratio Lower Upper

276 100

138 22.4 21.8 32.8

277 25.7 20.5 30.7

