

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041618\
 Data File : BE096000.D
 Acq On : 16 Apr 2018 9:22
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 16 13:01:12 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 03:47:21 2018
 Response via : Initial Calibration

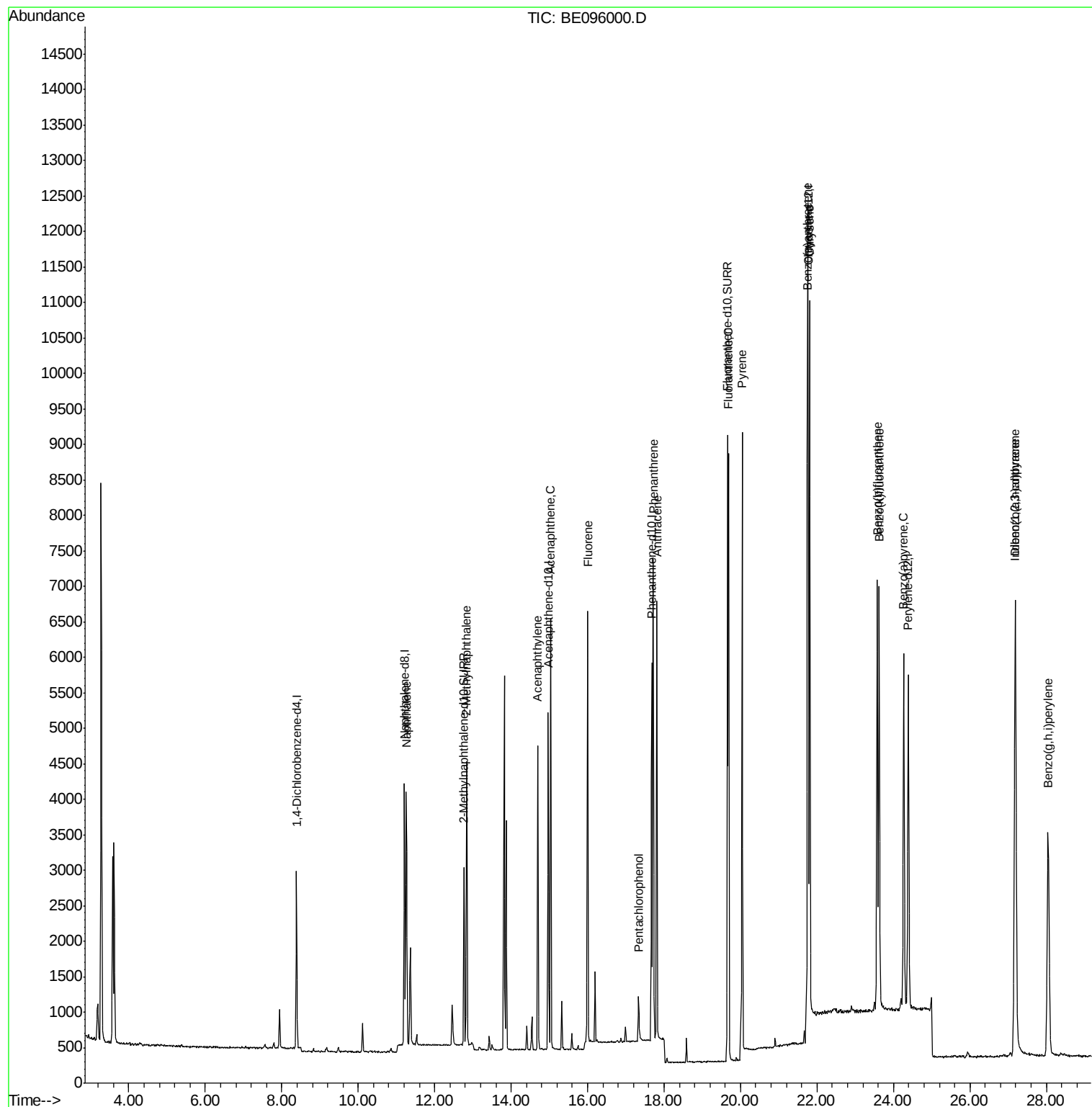
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	1873	0.40	ng/ul	0.00
2) Naphthalene-d8	11.21	136	4853	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.97	164	2611	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.68	188	6267	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	9314	0.40	ng/ul	0.00
20) Perylene-d12	24.39	264	7400	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.76	152	3313	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.66	212	9620	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.26	128	4918	0.363	ng/ul#	90
5) 2-Methylnaphthalene	12.83	142	3288	0.358	ng/ul	98
7) Acenaphthylene	14.70	152	4929	0.364	ng/ul	97
8) Acenaphthene	15.03	153	3602	0.371	ng/ul	95
9) Fluorene	16.00	166	3918	0.357	ng/ul	93
11) Pentachlorophenol	17.34	266	356	0.268	ng/ul	92
12) Phenanthrene	17.72	178	6834	0.370	ng/ul#	88
13) Anthracene	17.81	178	6651	0.362	ng/ul#	92
15) Fluoranthene	19.69	202	9440	0.376	ng/ul	85
17) Pyrene	20.04	202	10865	0.343	ng/ul#	79
18) Benzo(a)anthracene	21.75	228	12937	0.344	ng/ul#	85
19) Chrysene	21.81	228	9134	0.337	ng/ul	97
21) Benzo(b)fluoranthene	23.57	252	8868	0.370	ng/ul	86
22) Benzo(k)fluoranthene	23.63	252	8555	0.359	ng/ul#	86
23) Benzo(a)pyrene	24.27	252	8272	0.358	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.18	276	9217	0.359	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.20	278	7285	0.352	ng/ul	91
26) Benzo(g,h,i)perylene	28.04	276	7864	0.367	ng/ul	95

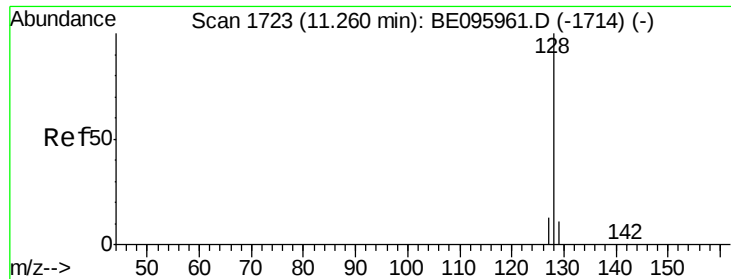
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.363 ng/ul

RT: 11.26 min Scan# 1723

Delta R.T. -0.00 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

Instrument :

BNA_E

ClientSampleId :

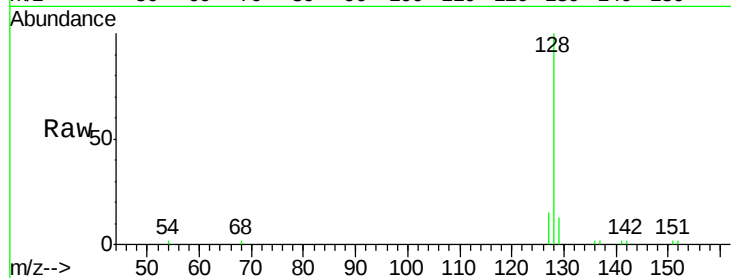
Tot Ion:128 Resp: 4918

Ion Ratio Lower Upper

128 100

129 12.8 11.3 16.9

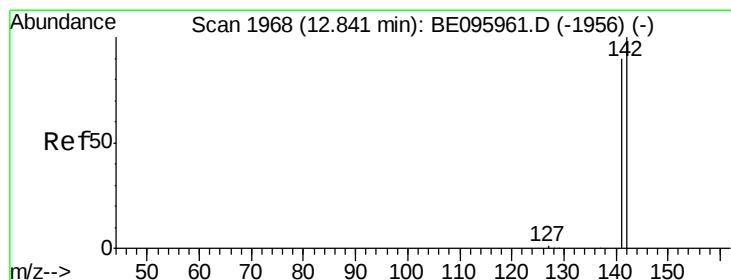
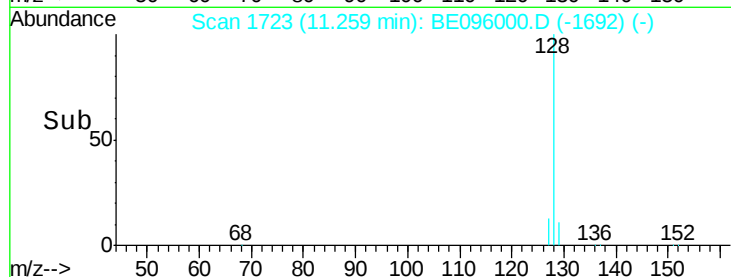
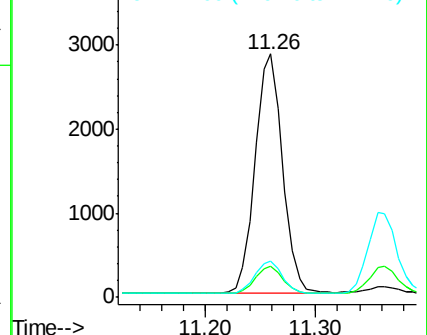
127 14.8 4.0 6.0#



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: 0.358 ng/ul

RT: 12.83 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BE096000.D

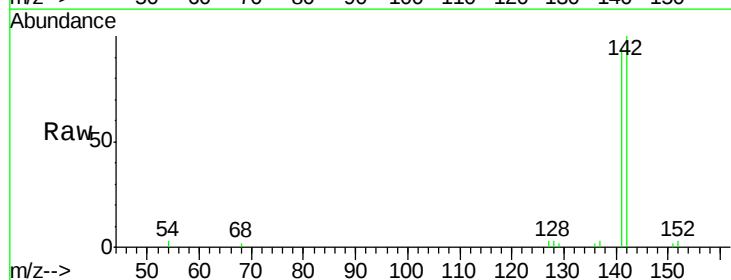
Acq: 16 Apr 2018 9:22

Tgt Ion:142 Resp: 3288

Ion Ratio Lower Upper

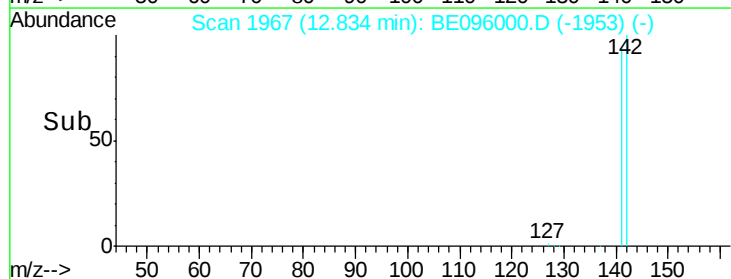
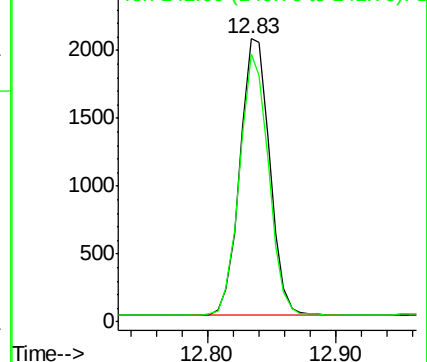
142 100

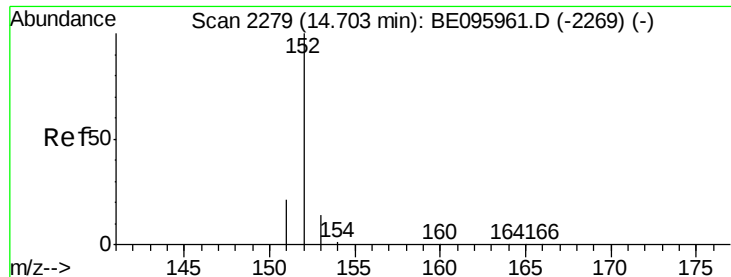
141 92.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.364 ng/ul

RT: 14.70 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

Instrument :

BNA_E

ClientSampleId :

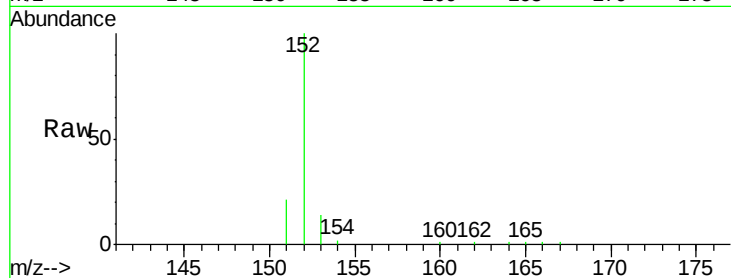
Tot Ion:152 Resp: 4929

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

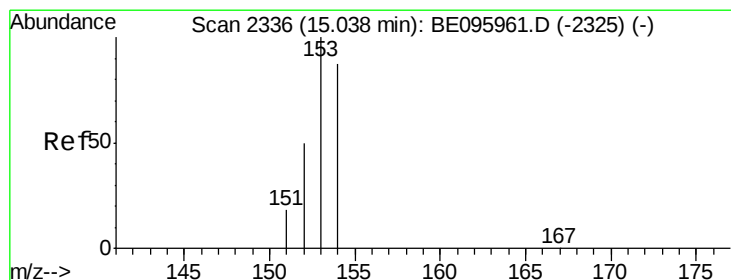
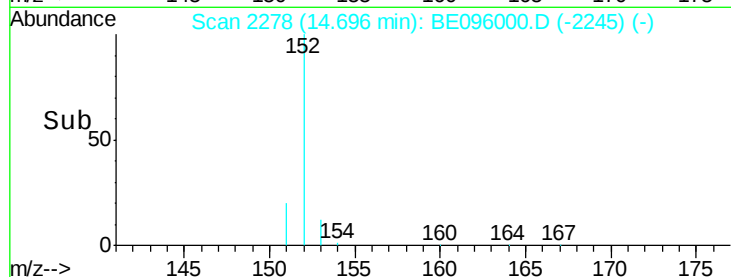
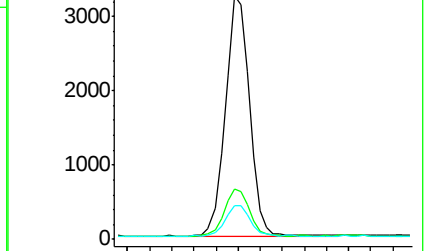
153 13.6 12.8 19.2



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: 0.371 ng/ul

RT: 15.03 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

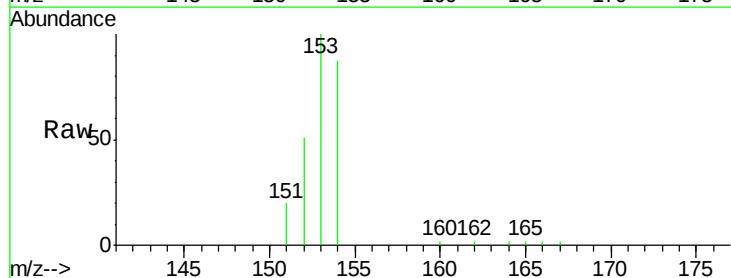
Tgt Ion:153 Resp: 3602

Ion Ratio Lower Upper

153 100

152 51.0 36.0 54.0

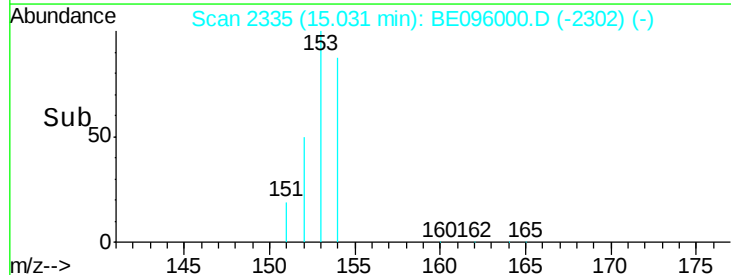
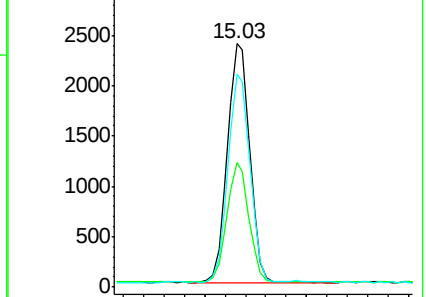
154 87.5 72.0 108.0

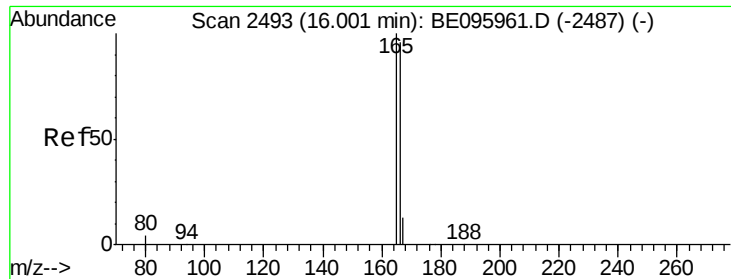


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.357 ng/ul

RT: 16.00 min Scan# 2494

Delta R.T. 0.00 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

Instrument :

BNA_E

ClientSampleId :

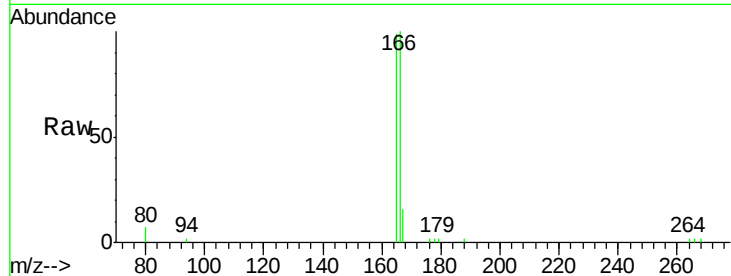
Tot Ion:166 Resp: 3918

Ion Ratio Lower Upper

166 100

165 98.8 73.4 110.2

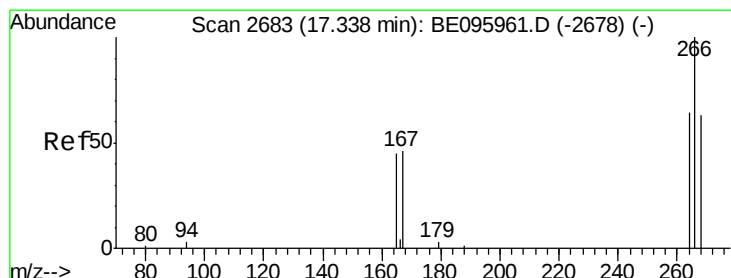
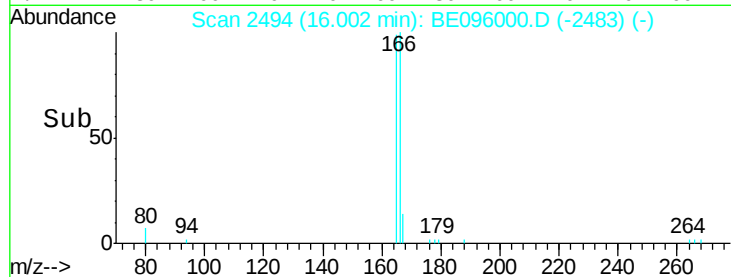
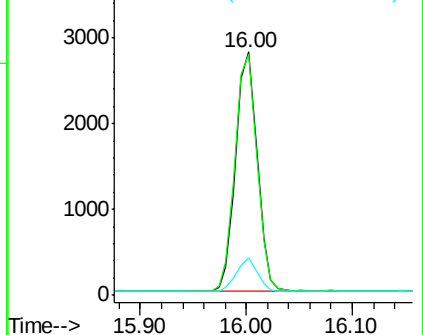
167 15.5 14.6 22.0



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: 0.268 ng/ul

RT: 17.34 min Scan# 2684

Delta R.T. 0.00 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

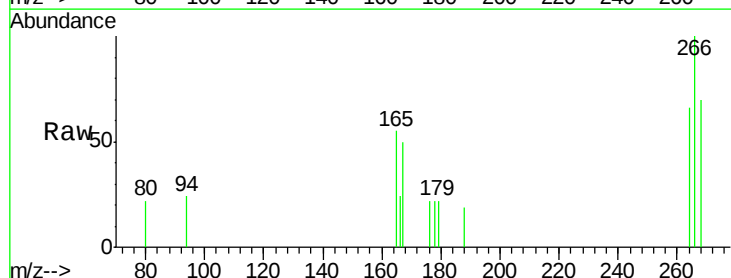
Tgt Ion:266 Resp: 356

Ion Ratio Lower Upper

266 100

264 68.5 47.9 71.9

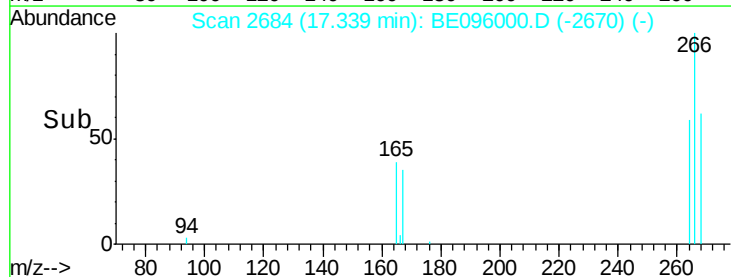
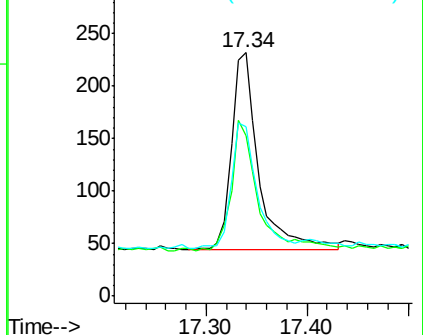
268 59.0 49.8 74.8

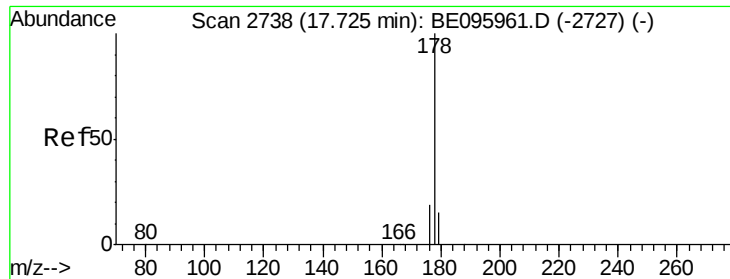


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

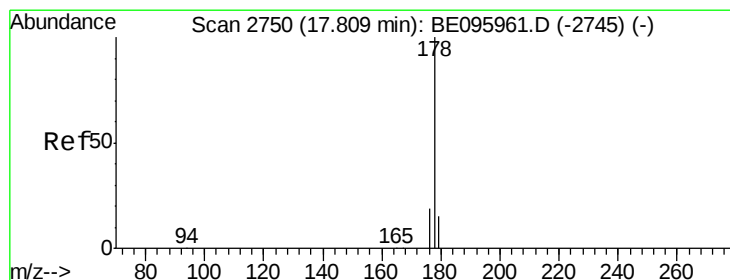
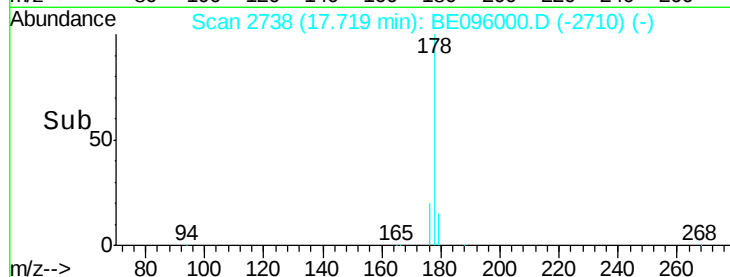
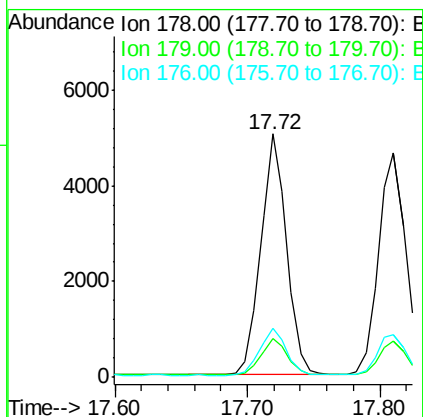
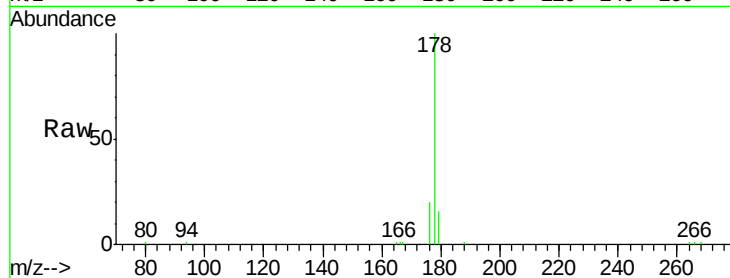




#12
Phenanthrene
Concen: 0.370 ng/ul
RT: 17.72 min Scan# 2738
Delta R.T. -0.01 min
Lab File: BE096000.D
Acq: 16 Apr 2018 9:22

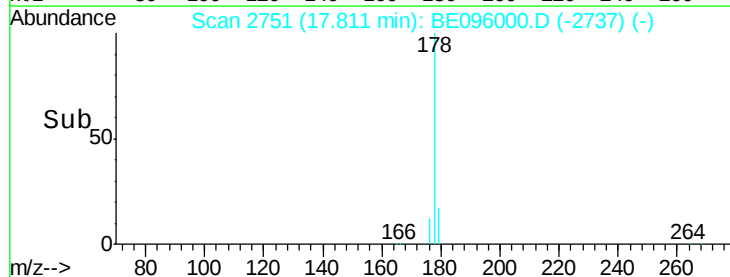
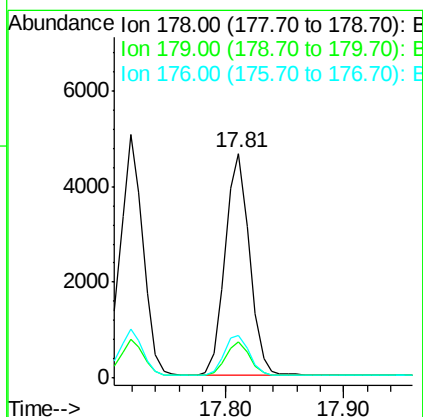
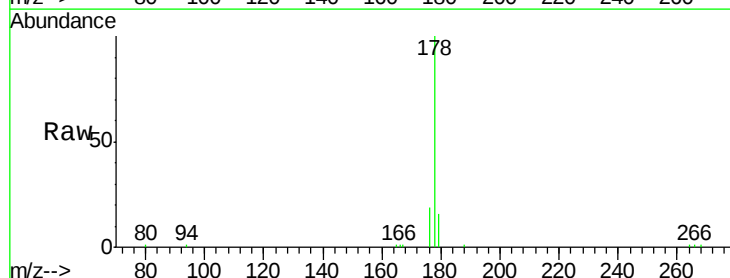
Instrument :
BNA_E
ClientSampleId :

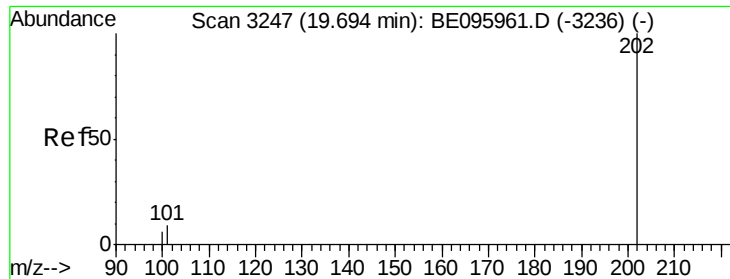
Tot Ion:178 Resp: 6834
Ion Ratio Lower Upper
178 100
179 16.0 18.4 27.6#
176 20.4 13.6 20.4



#13
Anthracene
Concen: 0.362 ng/ul
RT: 17.81 min Scan# 2751
Delta R.T. 0.00 min
Lab File: BE096000.D
Acq: 16 Apr 2018 9:22

Tgt Ion:178 Resp: 6651
Ion Ratio Lower Upper
178 100
179 16.1 18.1 27.1#
176 18.9 14.7 22.1





#15

Fluoranthene

Concen: 0.376 ng/ul

RT: 19.69 min Scan# 3246

Delta R.T. -0.01 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

Instrument :

BNA_E

ClientSampleId :

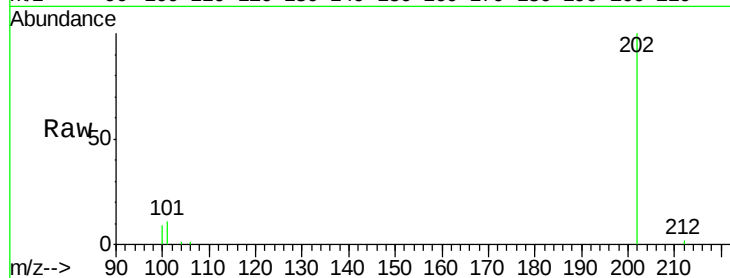
Tot Ion:202 Resp: 9440

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

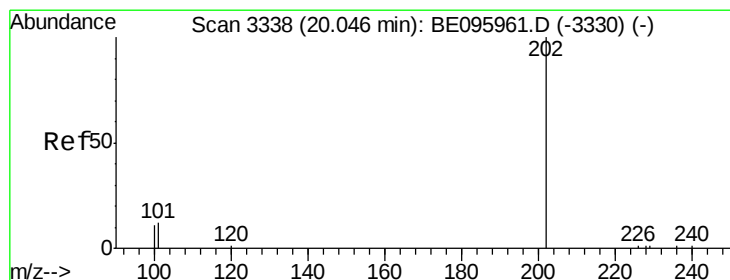
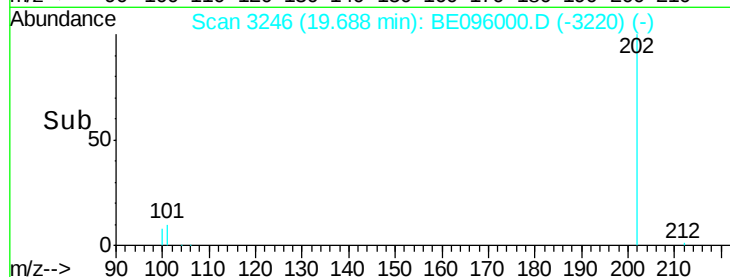
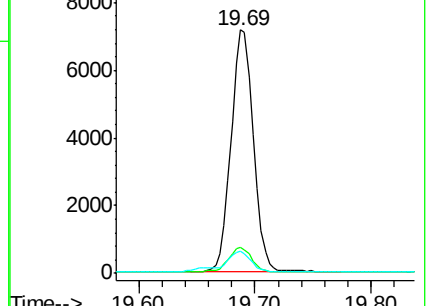
100 9.1 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.343 ng/ul

RT: 20.04 min Scan# 3338

Delta R.T. -0.00 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

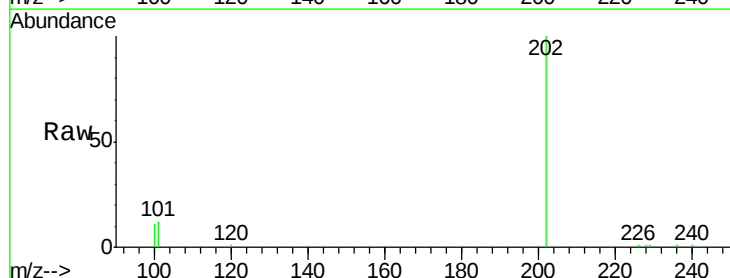
Tgt Ion:202 Resp: 10865

Ion Ratio Lower Upper

202 100

101 11.6 18.2 27.4#

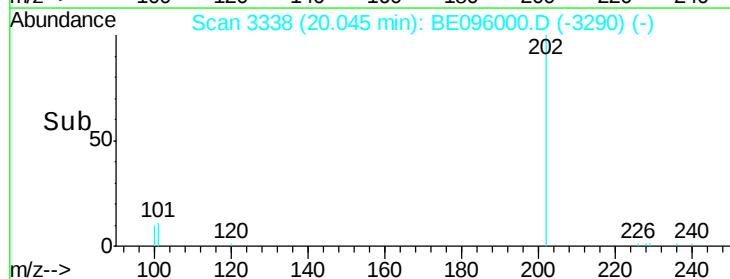
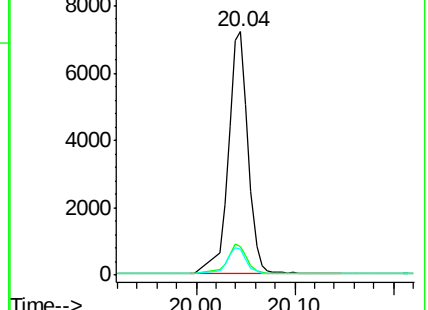
100 10.6 15.6 23.4#

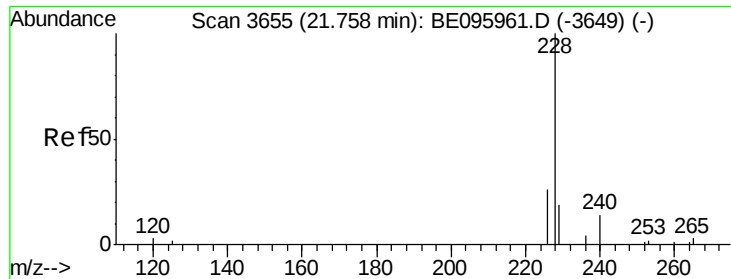


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.344 ng/ul

RT: 21.75 min Scan# 3654

Delta R.T. -0.01 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

Instrument :

BNA_E

ClientSampled :

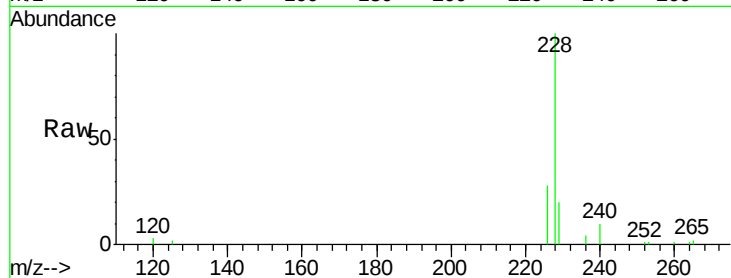
Tot Ion:228 Resp: 12937

Ion Ratio Lower Upper

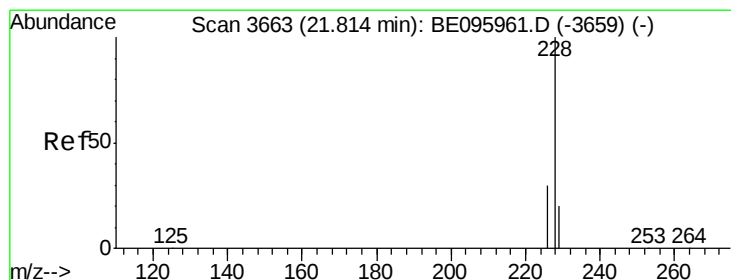
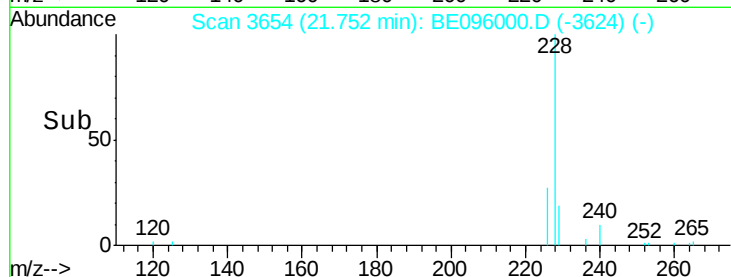
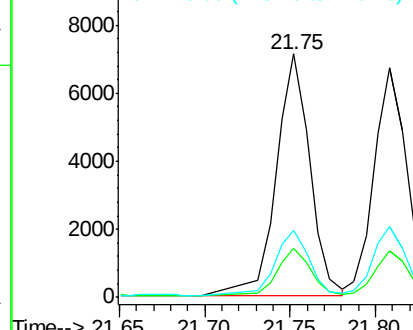
228 100

229 20.2 22.8 34.2#

226 27.7 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: 0.337 ng/ul

RT: 21.81 min Scan# 3662

Delta R.T. -0.01 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

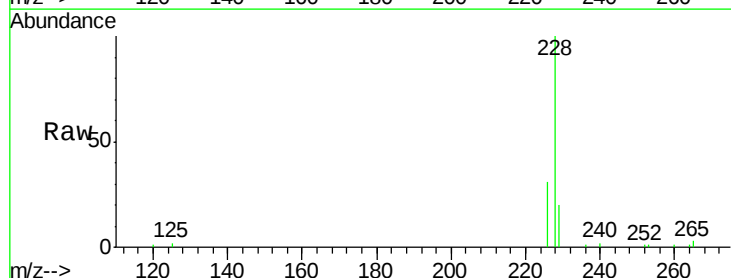
Tgt Ion:228 Resp: 9134

Ion Ratio Lower Upper

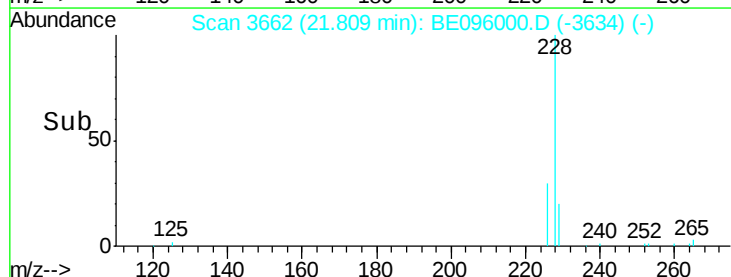
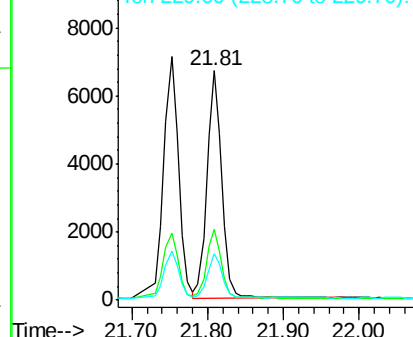
228 100

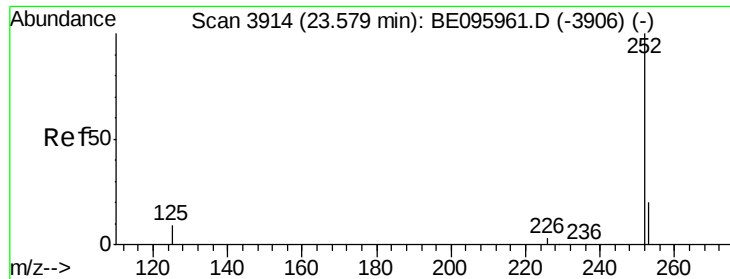
226 30.6 23.4 35.0

229 20.4 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: 0.370 ng/ul

RT: 23.57 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

Instrument :

BNA_E

ClientSampleId :

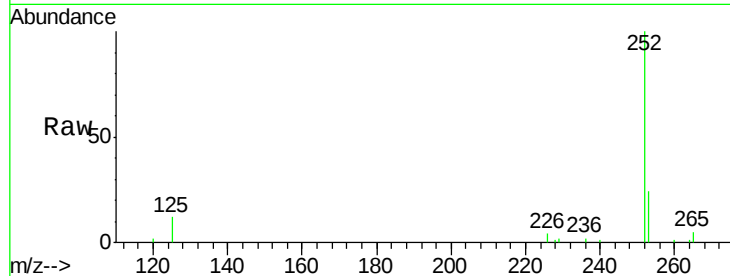
Tot Ion:252 Resp: 8868

Ion Ratio Lower Upper

252 100

253 23.8 0.0 64.2

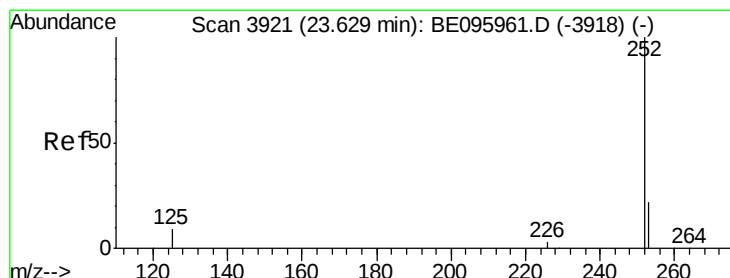
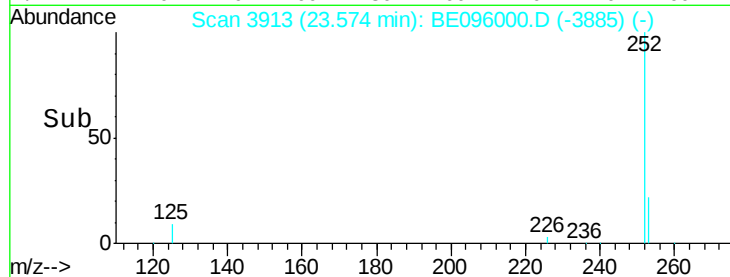
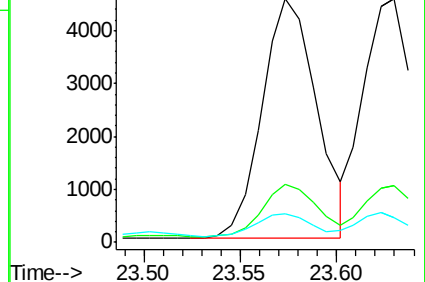
125 11.7 0.0 35.0



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: 0.359 ng/ul

RT: 23.63 min Scan# 3921

Delta R.T. 0.00 min

Lab File: BE096000.D

Acq: 16 Apr 2018 9:22

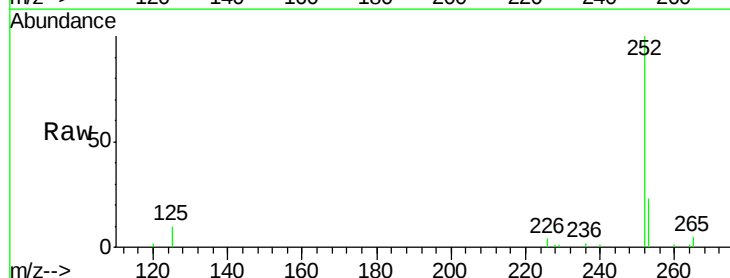
Tgt Ion:252 Resp: 8555

Ion Ratio Lower Upper

252 100

253 23.5 24.5 36.7#

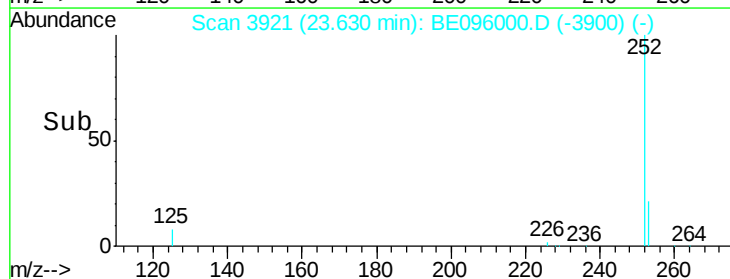
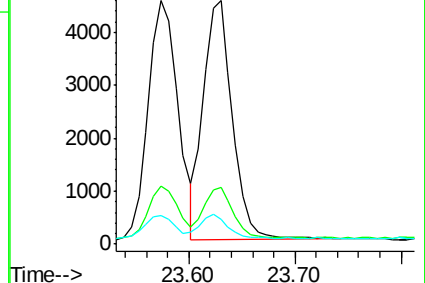
125 10.3 13.7 20.5#

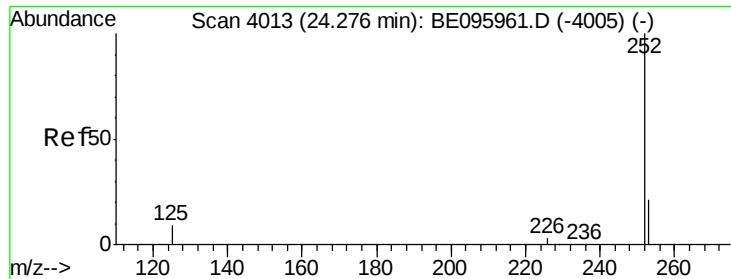


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

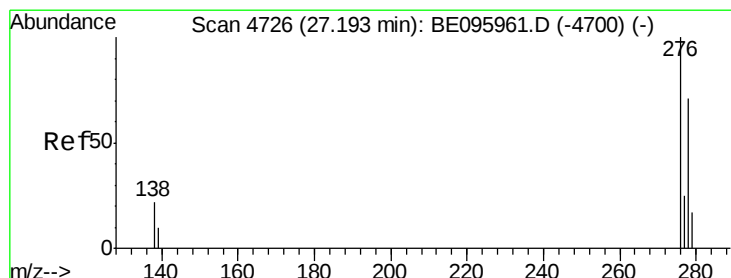
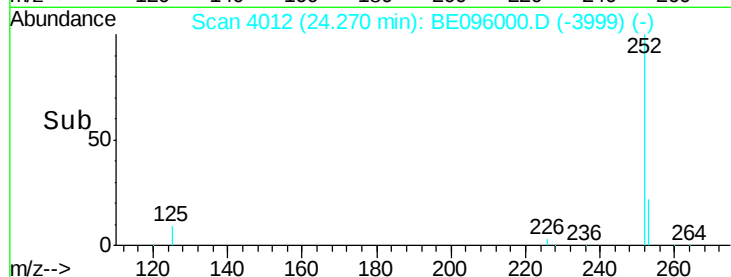
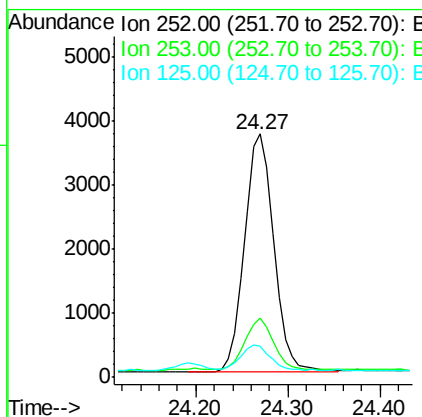
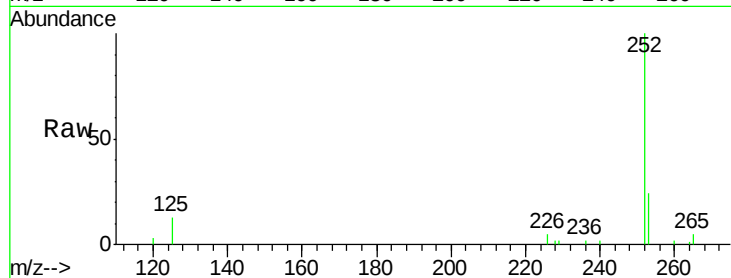




#23
Benzo(a)pyrene
Concen: 0.358 ng/ul
RT: 24.27 min Scan# 4012
Delta R.T. -0.01 min
Lab File: BE096000.D
Acq: 16 Apr 2018 9:22

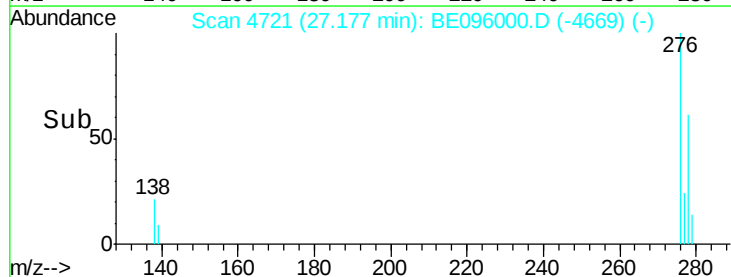
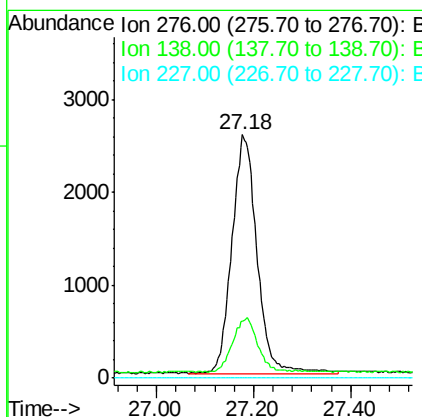
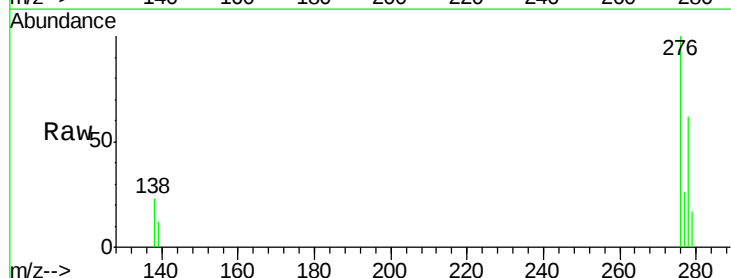
Instrument :
BNA_E
ClientSampleId :

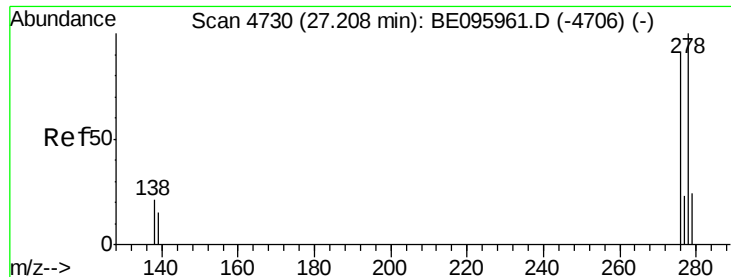
Tot Ion:252 Resp: 8272
Ion Ratio Lower Upper
252 100
253 24.3 28.5 42.7#
125 12.7 18.1 27.1#



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.359 ng/ul
RT: 27.18 min Scan# 4721
Delta R.T. -0.02 min
Lab File: BE096000.D
Acq: 16 Apr 2018 9:22

Tgt Ion:276 Resp: 9217
Ion Ratio Lower Upper
276 100
138 22.5 28.0 42.0#
227 0.0 8.0 12.0#



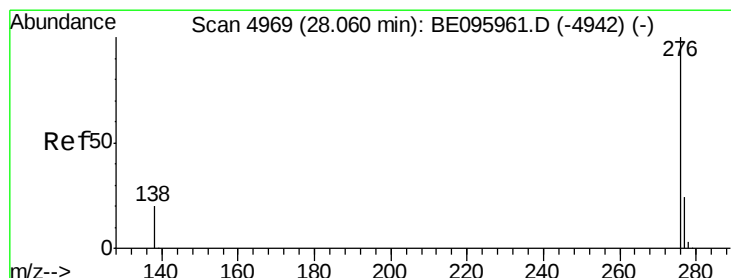
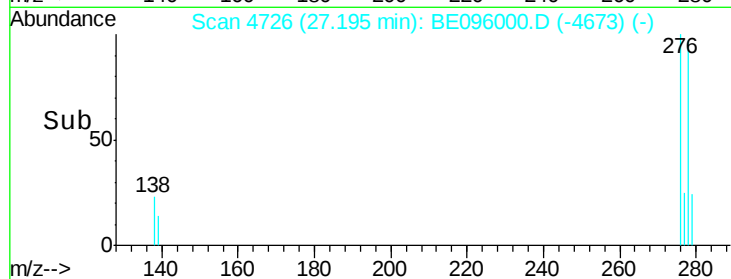
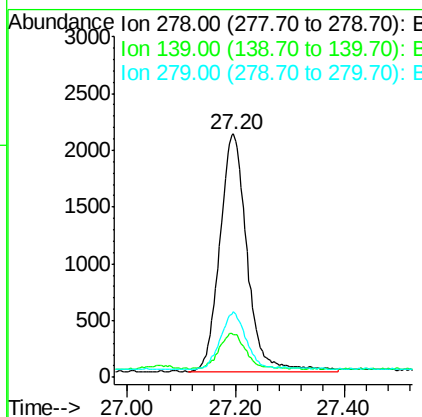
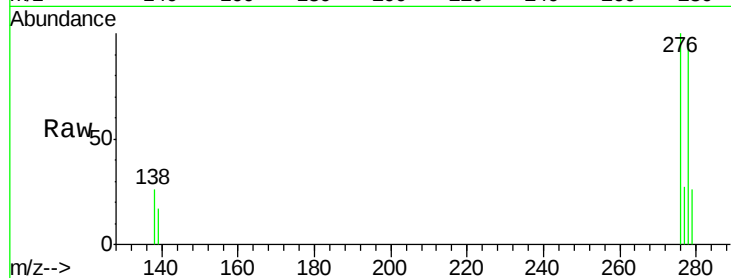


#25
Dibenzo(a,h)anthracene
Concen: 0.352 ng/ul
RT: 27.20 min Scan# 4726
Delta R.T. -0.01 min
Lab File: BE096000.D
Acq: 16 Apr 2018 9:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 7285

Ion	Ratio	Lower	Upper
278	100		
139	17.4	17.4	26.0
279	27.0	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.367 ng/ul
RT: 28.04 min Scan# 4964
Delta R.T. -0.02 min
Lab File: BE096000.D
Acq: 16 Apr 2018 9:22

Tgt Ion:276 Resp: 7864

Ion	Ratio	Lower	Upper
276	100		
138	23.0	21.8	32.8
277	25.0	20.5	30.7

