

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094050.D
 Acq On : 21 Sep 2017 2:21
 Operator : SJ/JU
 Sample : I5283-17 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3C0

Quant Time: Sep 21 07:29:57 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 21 07:18:34 2017
 Response via : Initial Calibration

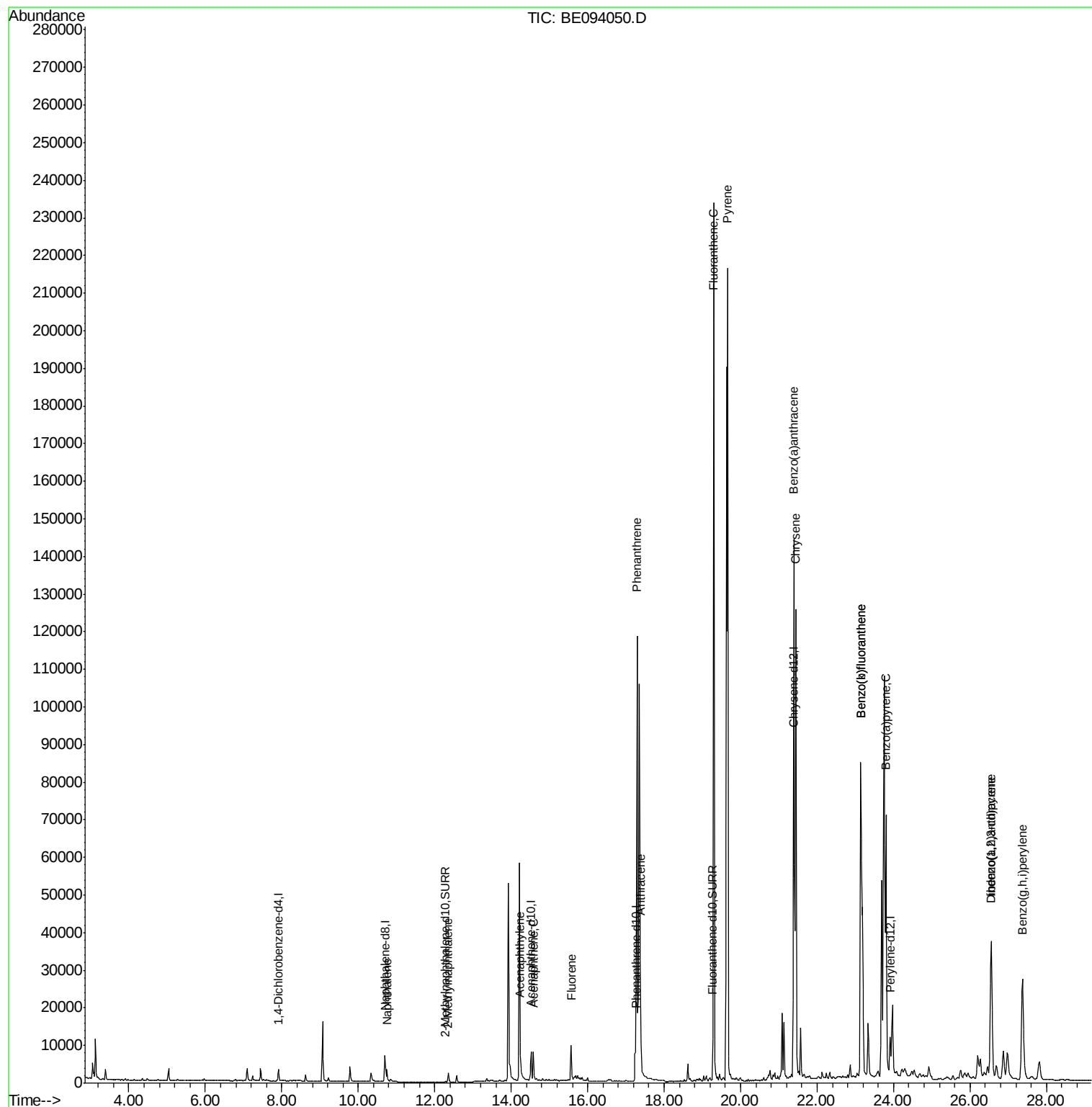
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1538	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7893	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5022	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	13032	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	16398	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	16405	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	527	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	1982	0.05	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	5089	0.263	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	2510	0.200	ng/ul	100
7) Acenaphthylene	14.24	152	3234	0.165	ng/ul	99
8) Acenaphthene	14.58	153	4929	0.306	ng/ul	98
9) Fluorene	15.57	166	7011	0.371	ng/ul	97
12) Phenanthrene	17.29	178	146787	4.310	ng/ul#	92
13) Anthracene	17.38	178	33433	1.009	ng/ul#	92
15) Fluoranthene	19.30	202	263557	5.890	ng/ul	84
17) Pyrene	19.66	202	243937	5.347	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	134025	3.081	ng/ul#	87
19) Chrysene	21.45	228	135336	2.694	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	215442	4.834	ng/ul	85
22) Benzo(k)fluoranthene	23.14	252	215442	4.182	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	110390	2.384	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.55	276	66846	1.411	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	17347	0.437	ng/ul	94
26) Benzo(a,h,i)perylene	27.37	276	66228	1.621	ng/ul	97

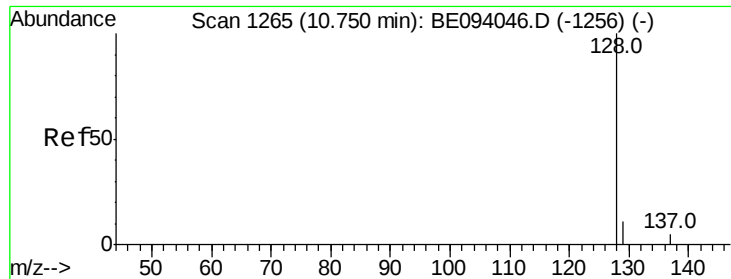
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.263 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

Instrument :

BNA_E

ClientSampleId :

CB3C0

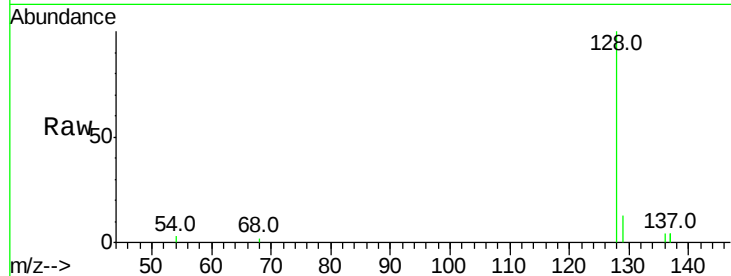
Tot Ion:128 Resp: 5089

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

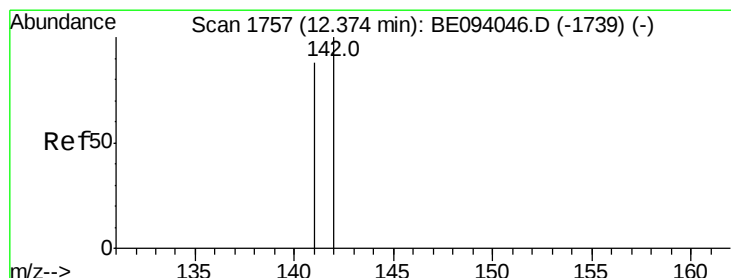
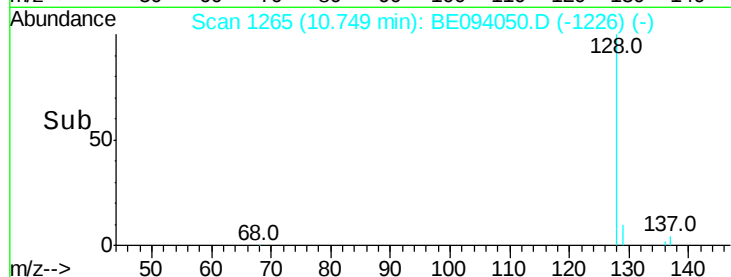
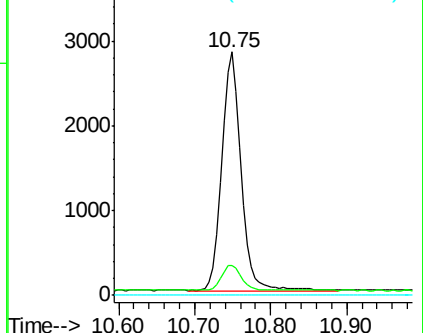
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.200 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.02 min

Lab File: BE094050.D

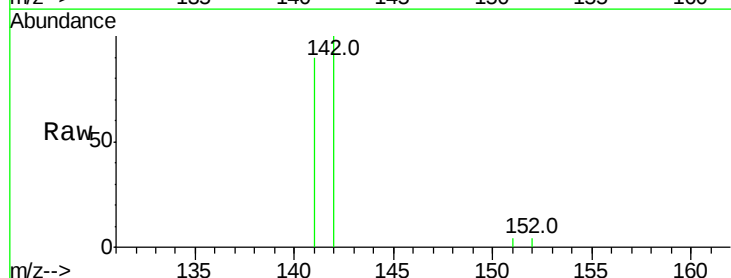
Acq: 21 Sep 2017 2:21

Tgt Ion:142 Resp: 2510

Ion Ratio Lower Upper

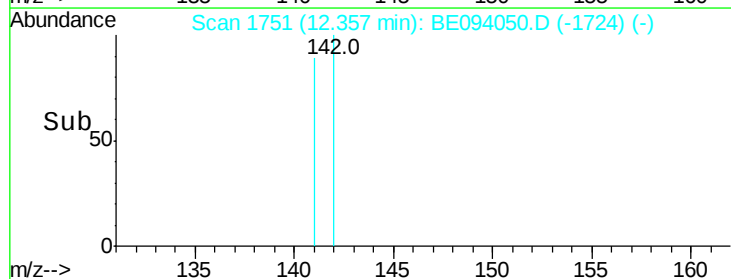
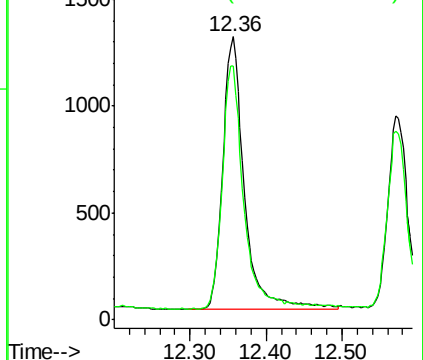
142 100

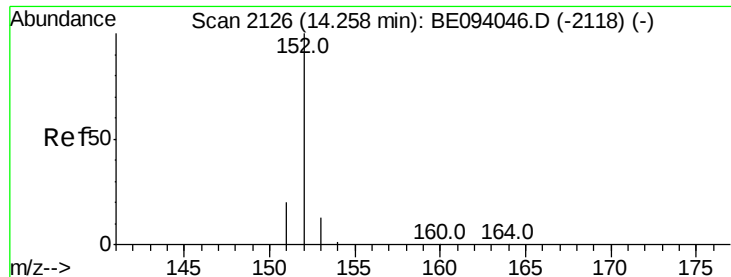
141 90.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.165 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

Instrument :

BNA_E

ClientSampled :

CB3C0

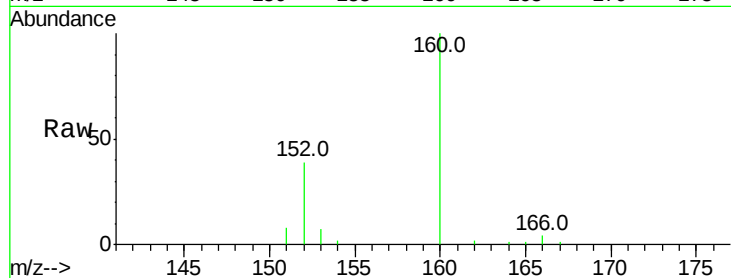
Tot Ion:152 Resp: 3234

Ion Ratio Lower Upper

152 100

151 21.4 17.1 25.7

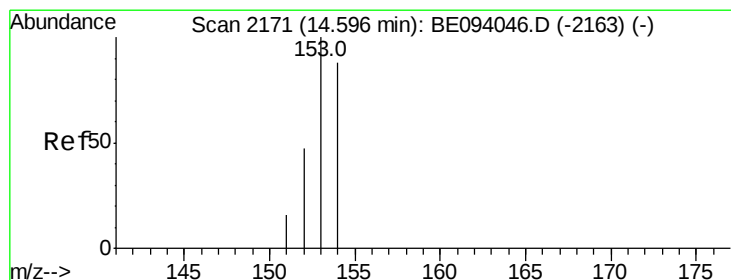
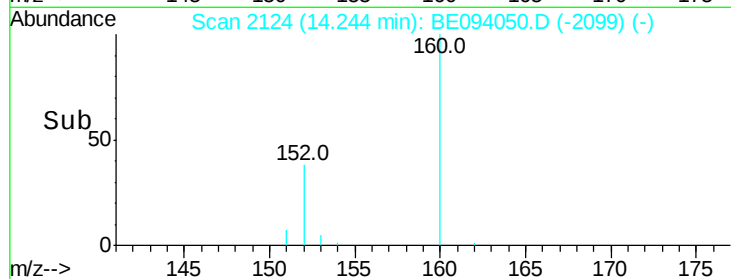
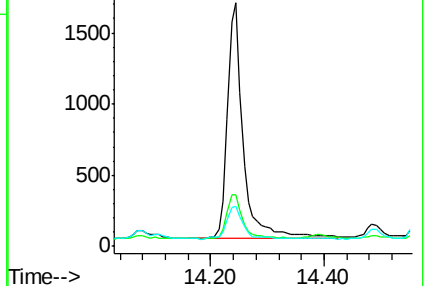
153 16.7 12.8 19.2



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: 0.306 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

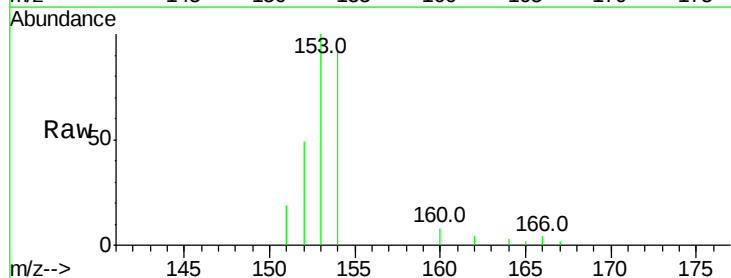
Tgt Ion:153 Resp: 4929

Ion Ratio Lower Upper

153 100

152 49.4 40.3 60.5

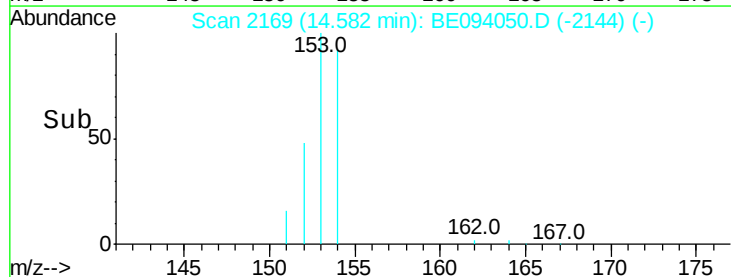
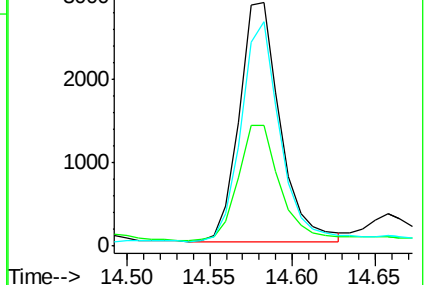
154 92.1 71.4 107.2

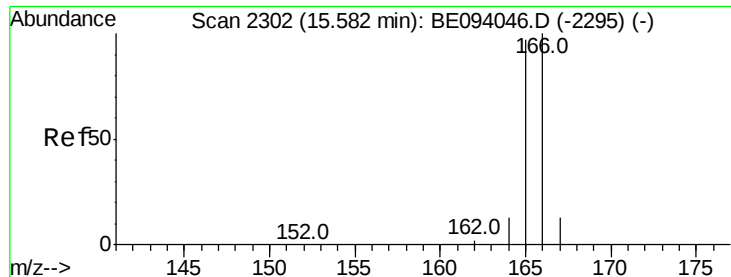


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.371 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

Instrument :

BNA_E

ClientSampleId :

CB3C0

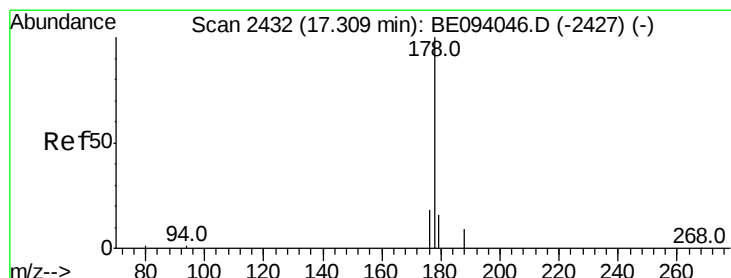
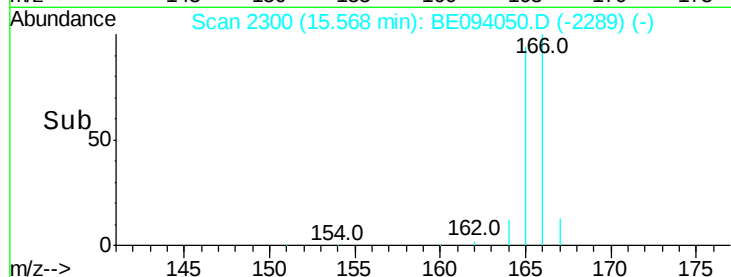
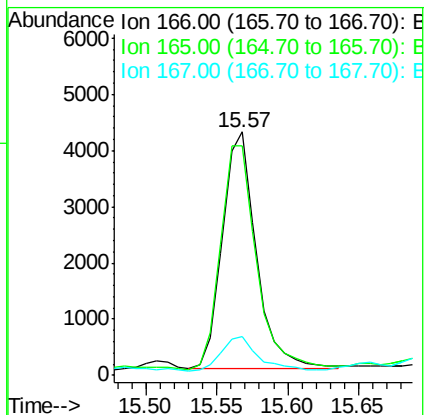
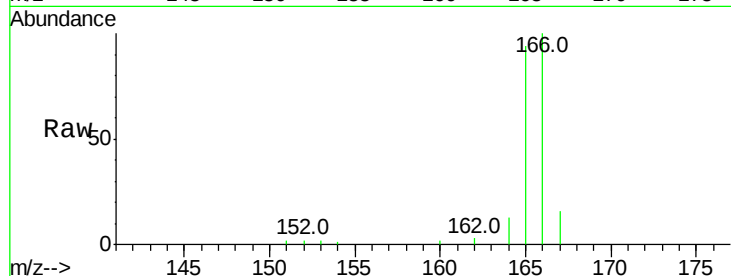
Tot Ion:166 Resp: 7011

Ion Ratio Lower Upper

166 100

165 94.3 73.4 110.2

167 15.8 14.6 22.0



#12

Phenanthrene

Concen: 4.310 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

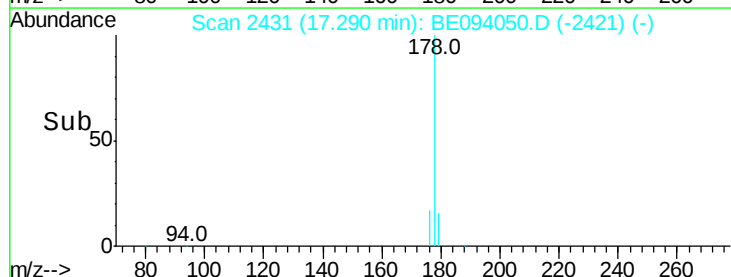
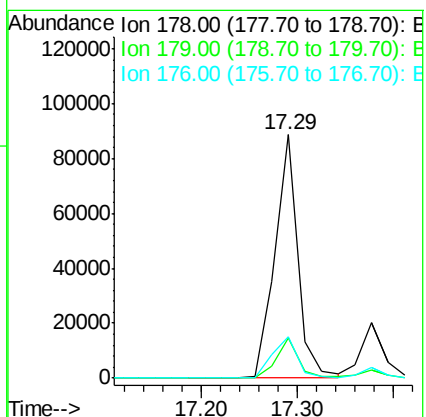
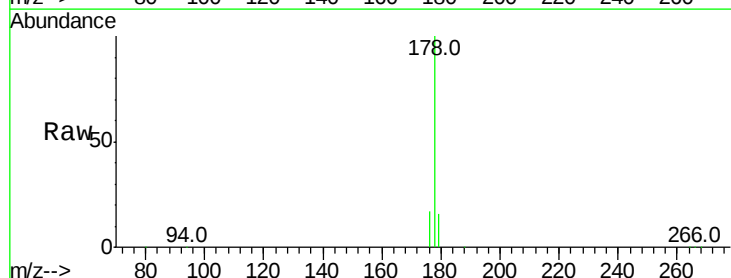
Tgt Ion:178 Resp: 146787

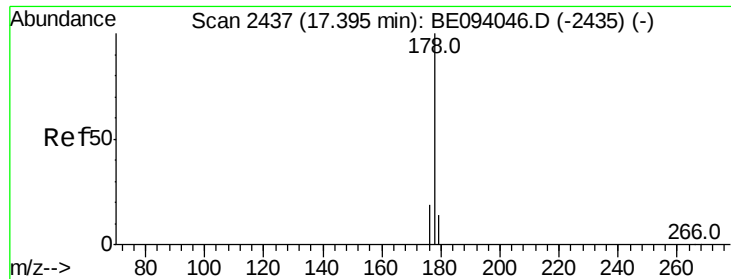
Ion Ratio Lower Upper

178 100

179 16.3 18.4 27.6#

176 17.1 13.6 20.4





#13

Anthracene

Concen: 1.009 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

Instrument :

BNA_E

ClientSampleId :

CB3C0

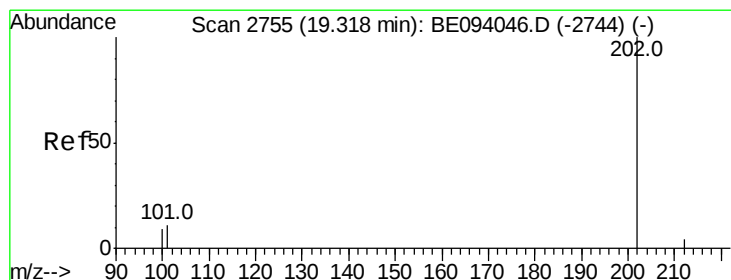
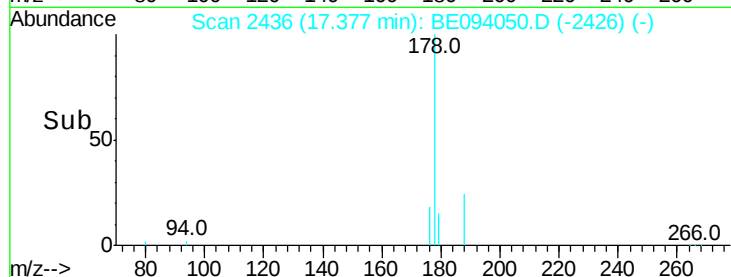
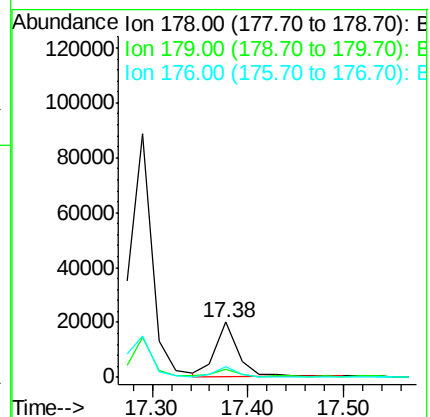
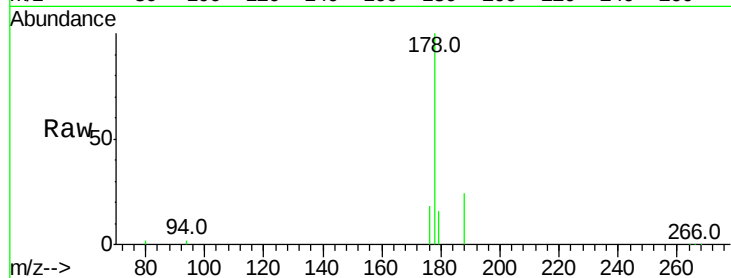
Tot Ion:178 Resp: 33433

Ion Ratio Lower Upper

178 100

179 15.6 18.1 27.1#

176 18.4 14.7 22.1



#15

Fluoranthene

Concen: 5.890 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

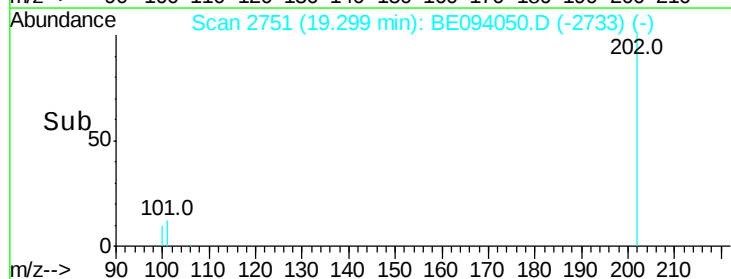
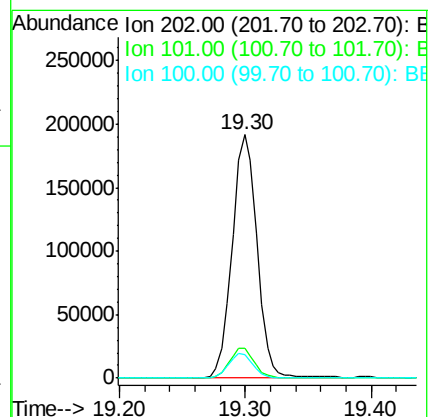
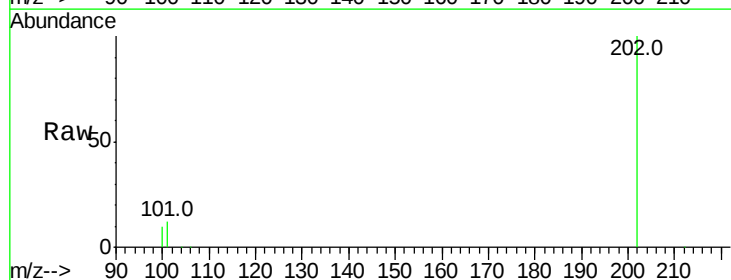
Tgt Ion:202 Resp: 263557

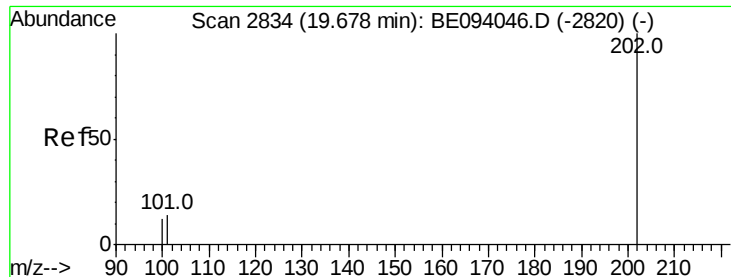
Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.3

100 9.7 0.0 39.5





#17

Pvrene

Concen: 5.347 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

Instrument :

BNA_E

ClientSampleId :

CB3C0

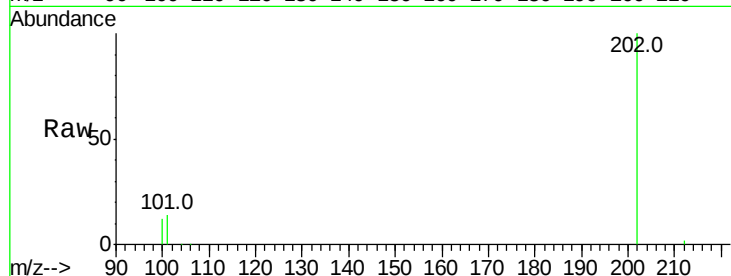
Tot Ion:202 Resp: 243937

Ion Ratio Lower Upper

202 100

101 14.3 18.2 27.4#

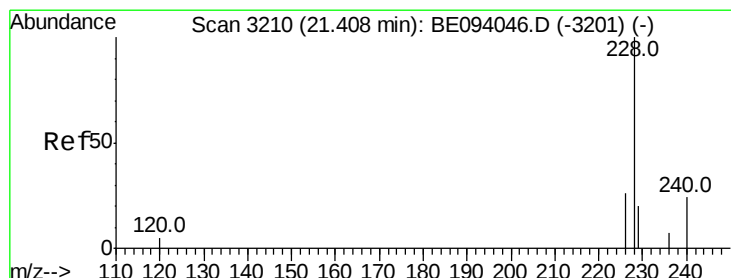
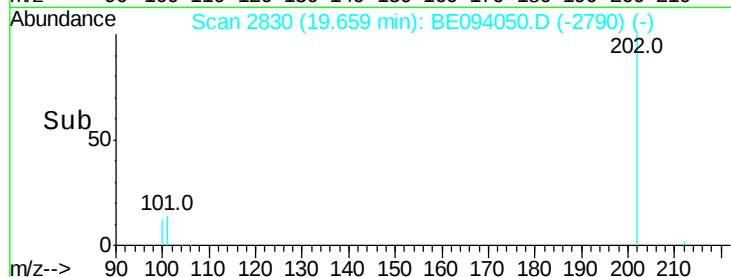
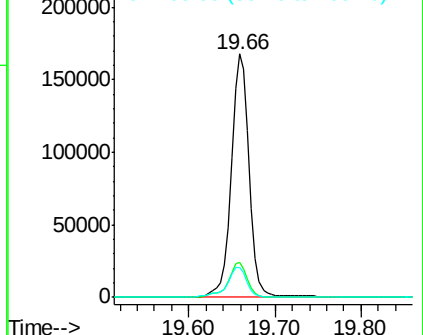
100 12.4 15.6 23.4#



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: 3.081 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

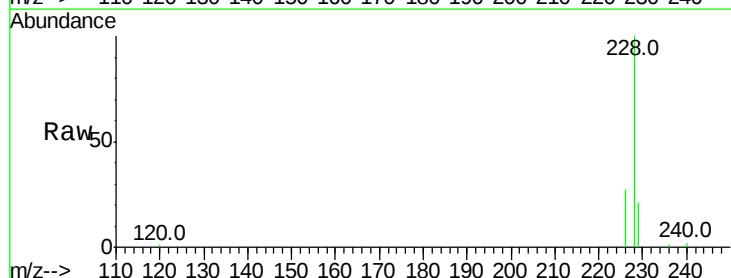
Tgt Ion:228 Resp: 134025

Ion Ratio Lower Upper

228 100

229 21.0 22.8 34.2#

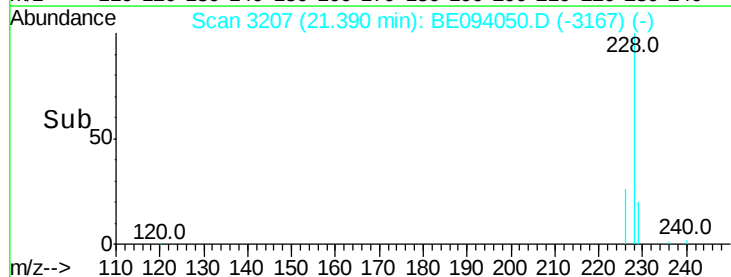
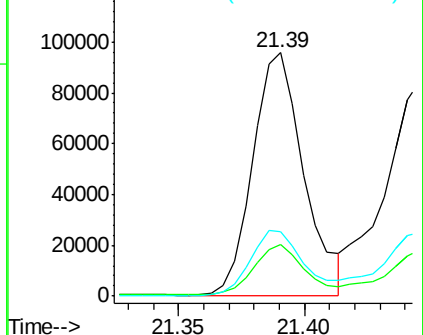
226 26.7 17.0 25.6#

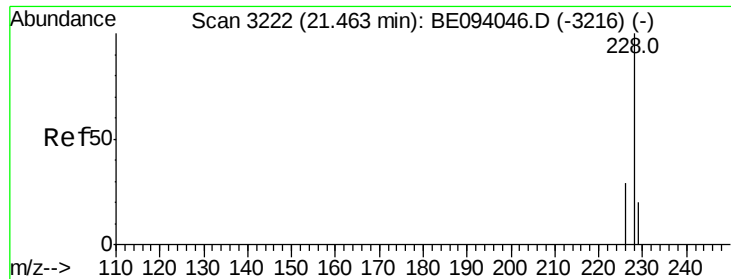


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.694 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

Instrument :

BNA_E

ClientSampleId :

CB3C0

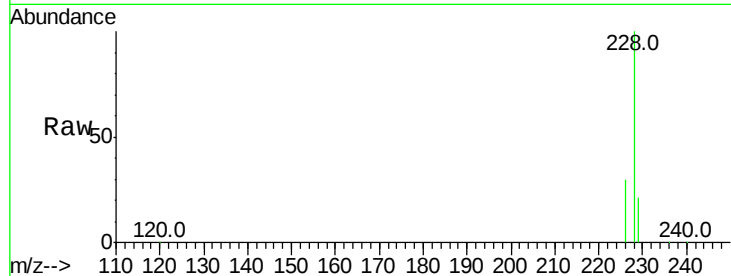
Tot Ion:228 Resp: 135336

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

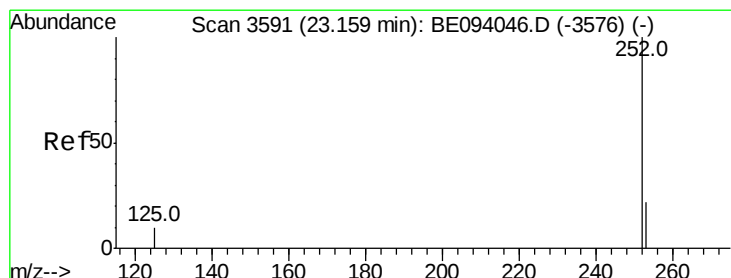
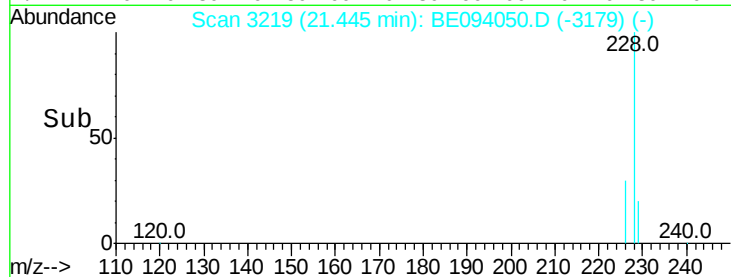
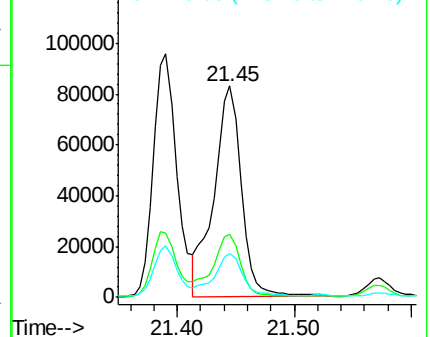
229 20.9 17.7 26.5



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: 4.834 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

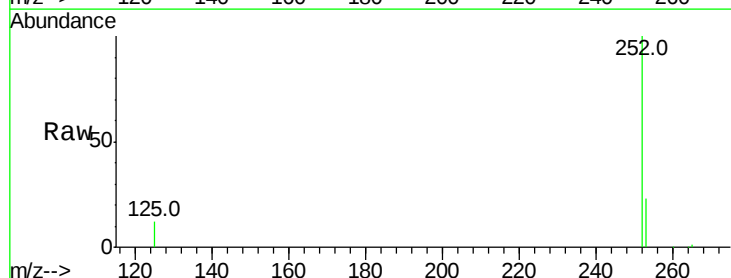
Tgt Ion:252 Resp: 215442

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

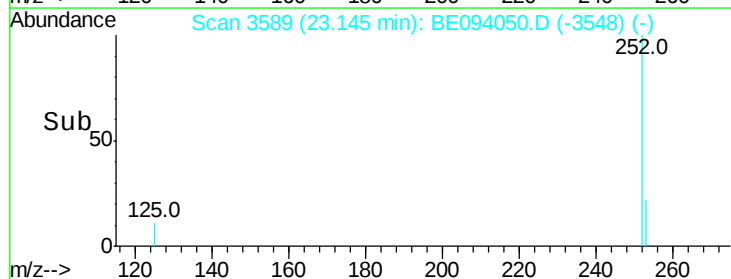
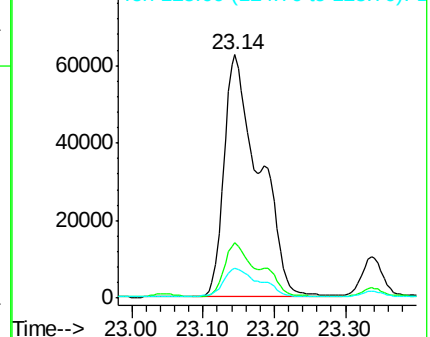
125 12.0 0.0 35.0

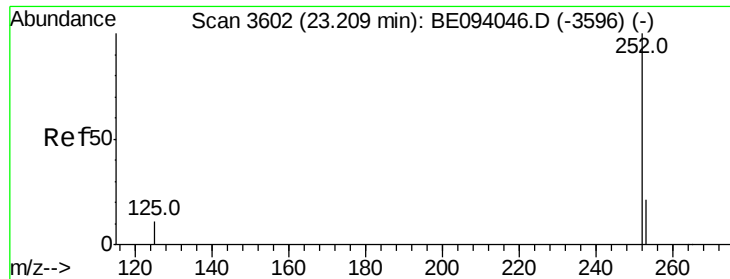


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.182 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.06 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

Instrument :

BNA_E

ClientSampleId :

CB3C0

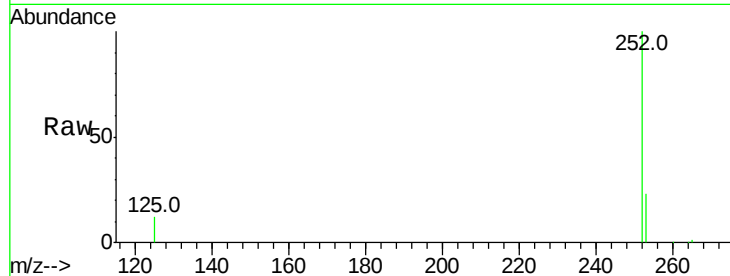
Tot Ion:252 Resp: 215442

Ion Ratio Lower Upper

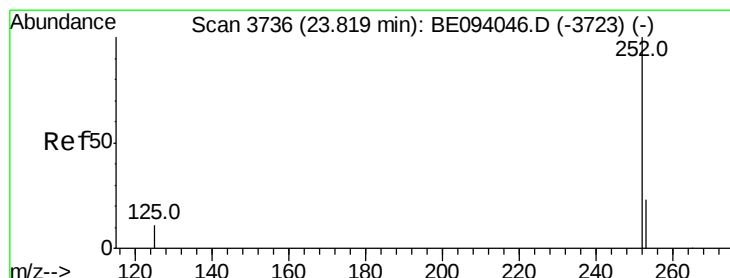
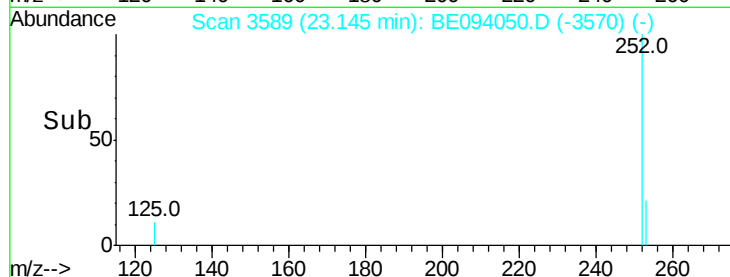
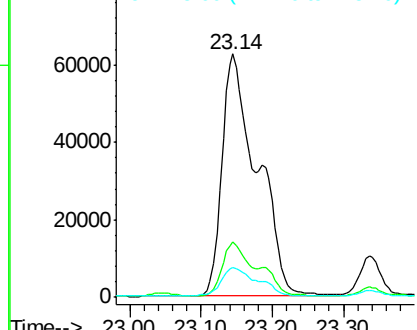
252 100

253 22.8 24.5 36.7#

125 12.0 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: 2.384 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BE094050.D

Acq: 21 Sep 2017 2:21

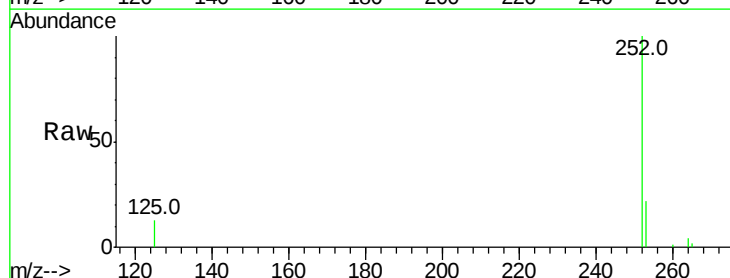
Tgt Ion:252 Resp: 110390

Ion Ratio Lower Upper

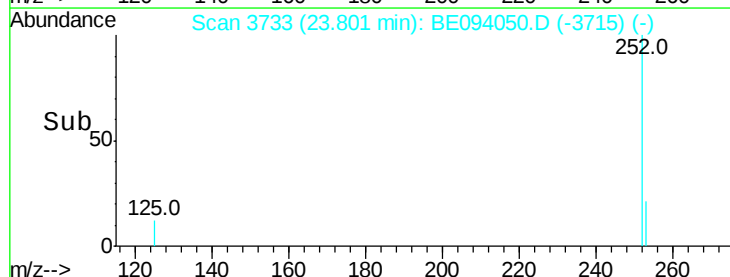
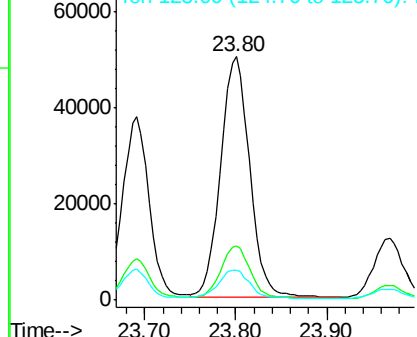
252 100

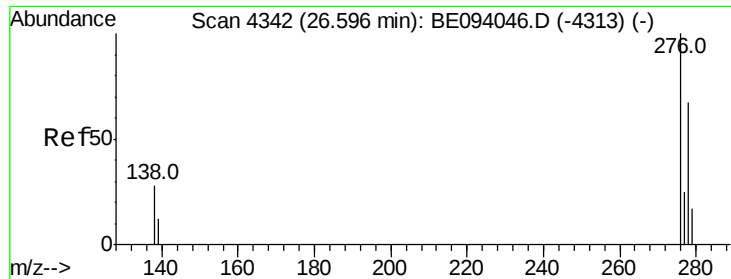
253 22.2 28.5 42.7#

125 12.5 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



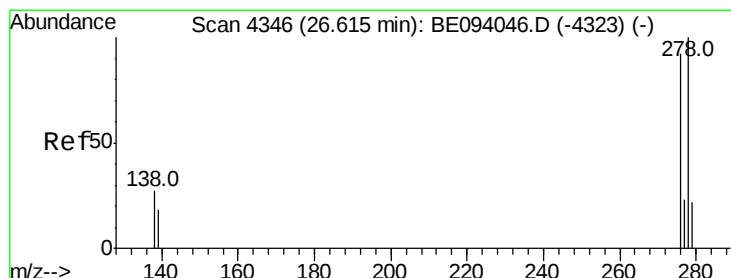
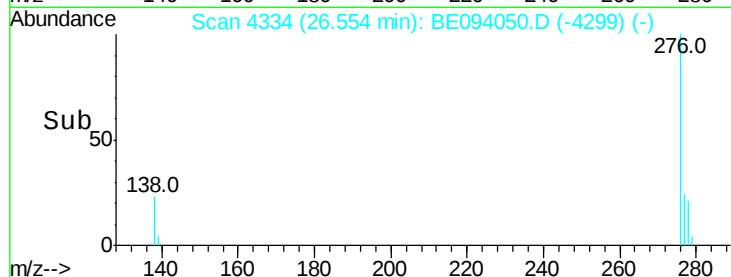
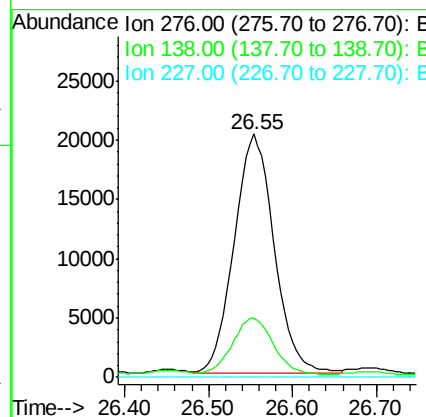
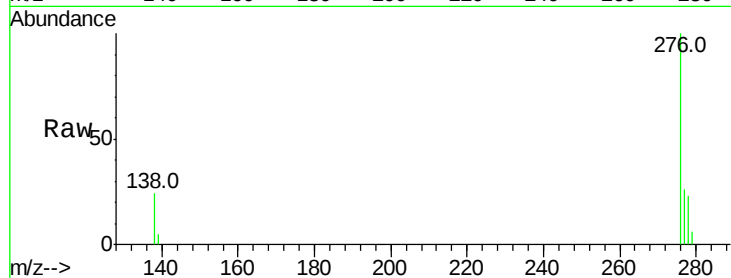


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.411 ng/ul
RT: 26.55 min Scan# 4334
Delta R.T. -0.04 min
Lab File: BE094050.D
Acq: 21 Sep 2017 2:21

Instrument :
BNA_E
ClientSampleId :
CB3C0

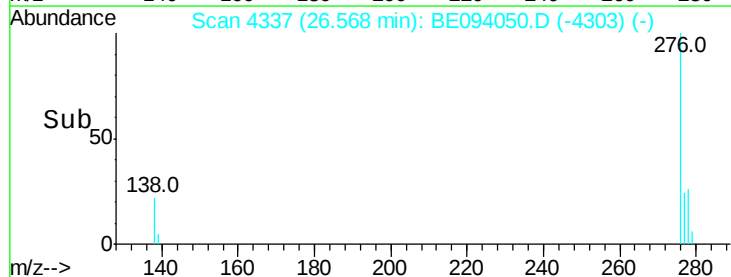
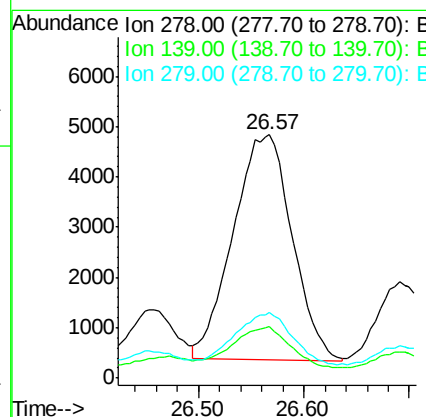
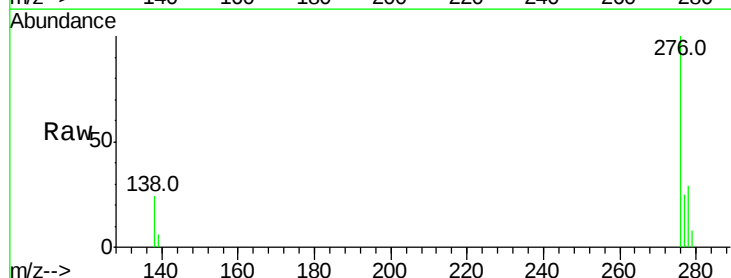
Tot Ion:276 Resp: 66846
Ion Ratio Lower Upper
276 100
138 23.8 28.0 42.0#
227 0.0 8.0 12.0#

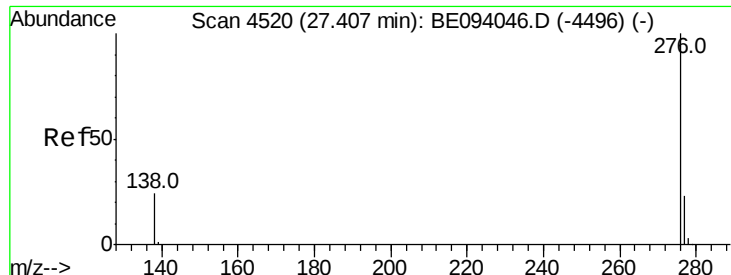


#25

Dibenzo(a,h)anthracene
Concen: 0.437 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.05 min
Lab File: BE094050.D
Acq: 21 Sep 2017 2:21

Tgt Ion:278 Resp: 17347
Ion Ratio Lower Upper
278 100
139 21.0 17.4 26.0
279 27.1 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.621 ng/ul

RT: 27.37 min Scan# 4513

Delta R.T. -0.04 min

Lab File: BE094050.D

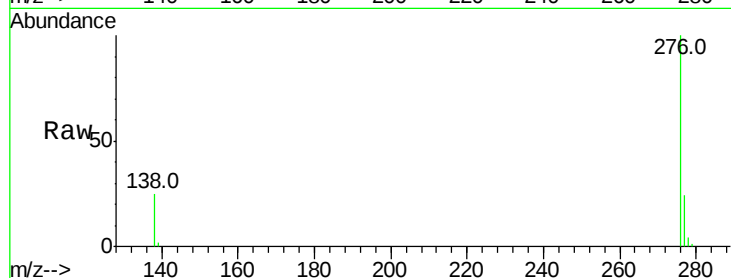
Acq: 21 Sep 2017 2:21

Instrument :

BNA_E

ClientSampleId :

CB3C0



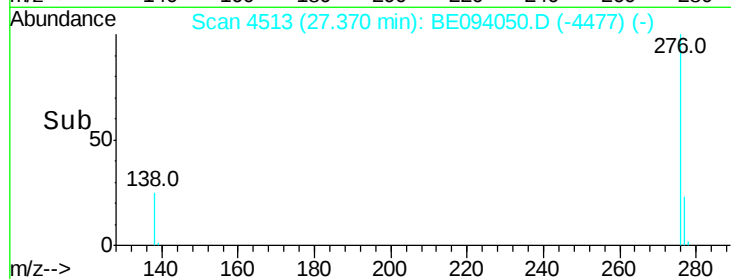
Tot Ion:276 Resp: 66228

Ion Ratio Lower Upper

276 100

138 25.4 21.8 32.8

277 24.3 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

