

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094044.D
 Acq On : 20 Sep 2017 22:37
 Operator : SJ/JU
 Sample : I5283-10 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3B5

Quant Time: Sep 21 06:29:05 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 06:26:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1593	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7926	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5044	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	13268	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	16101	0.40	ng/ul	-0.02
20) Perylene-d12	23.91	264	16393	0.40	ng/ul	-0.03

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	605	0.05	ng/ul	-0.03
14) Fluoranthene-d10	19.27	212	2317	0.05	ng/ul	-0.03

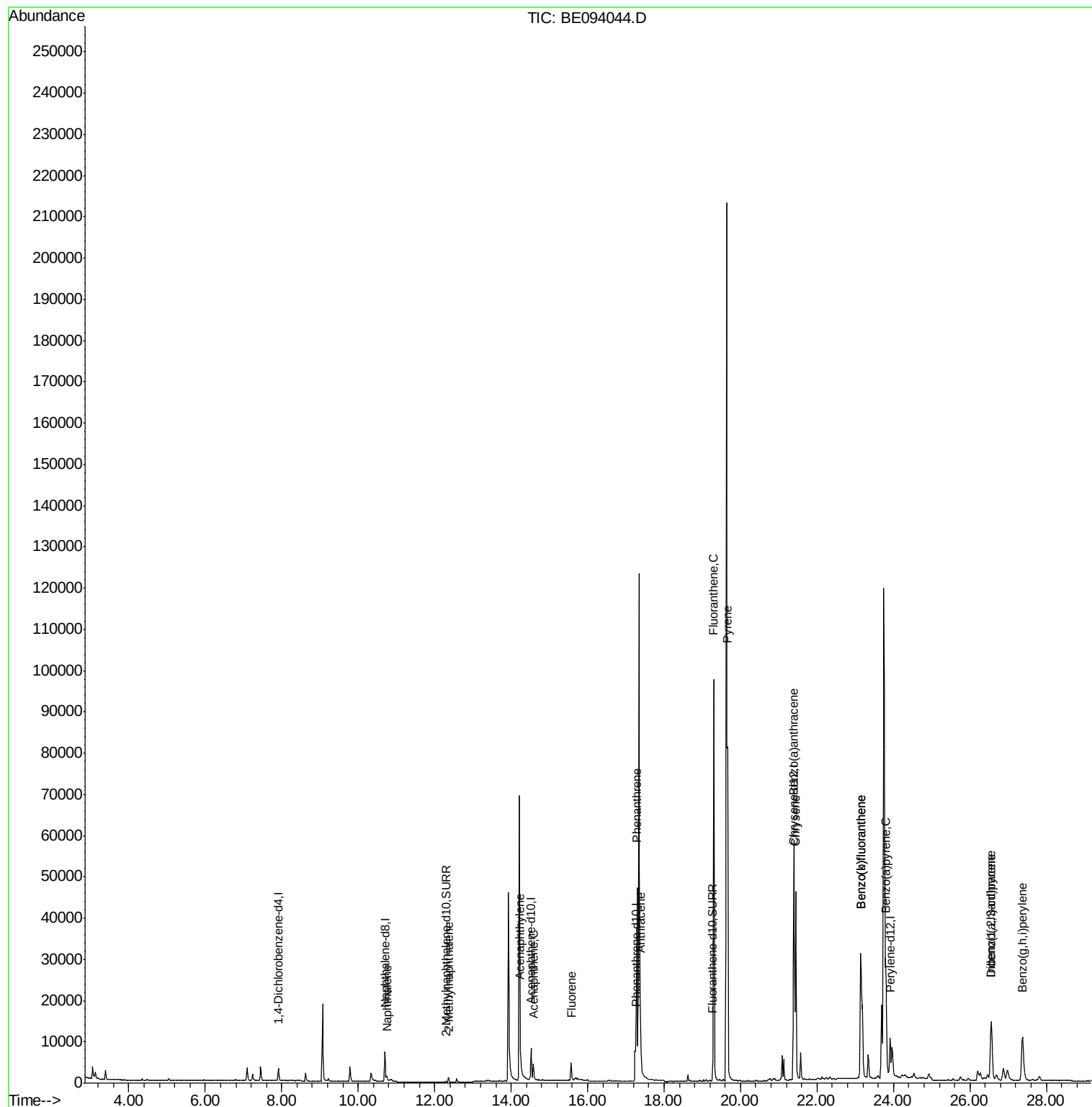
Target Compounds						Ovalue
3) Naphthalene	10.75	128	1988	0.102	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	1375	0.109	ng/ul	99
7) Acenaphthylene	14.24	152	886	0.045	ng/ul#	80
8) Acenaphthene	14.58	153	2542	0.157	ng/ul	99
9) Fluorene	15.57	166	3238	0.171	ng/ul	96
12) Phenanthrene	17.29	178	60744	1.752	ng/ul#	92
13) Anthracene	17.38	178	16008	0.475	ng/ul#	92
15) Fluoranthene	19.30	202	112552	2.471	ng/ul	84
17) Pyrene	19.66	202	102133	2.280	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	54414	1.274	ng/ul#	86
19) Chrysene	21.44	228	50151	1.017	ng/ul	97
21) Benzo(b)fluoranthene	23.15	252	84026	1.887	ng/ul	85
22) Benzo(k)fluoranthene	23.15	252	84026	1.632	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	43958	0.950	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.55	276	27108	0.573	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.56	278	6665	0.168	ng/ul	93
26) Benzo(a,h,i)perylene	27.38	276	27018	0.662	ng/ul	97

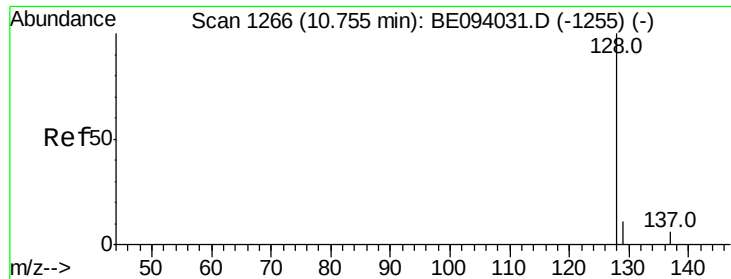
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.102 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

Instrument :

BNA_E

ClientSampleId :

CB3B5

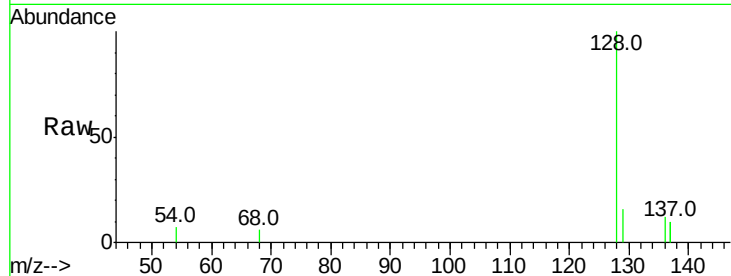
Tot Ion:128 Resp: 1988

Ion Ratio Lower Upper

128 100

129 16.2 11.3 16.9

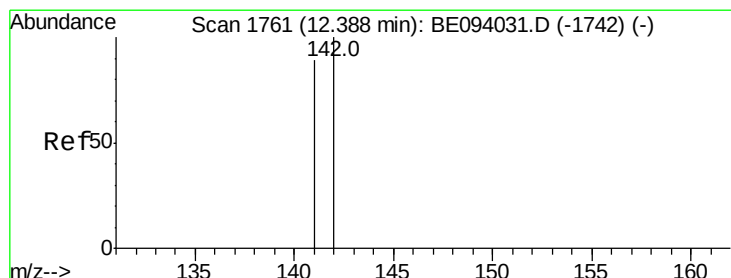
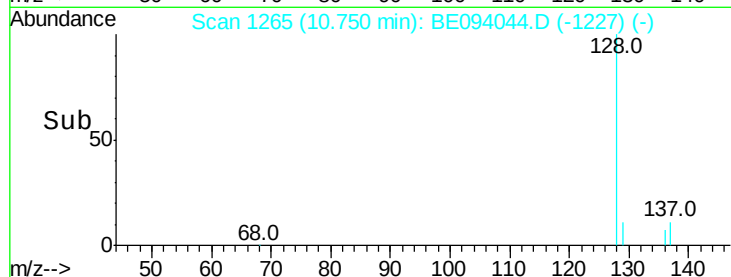
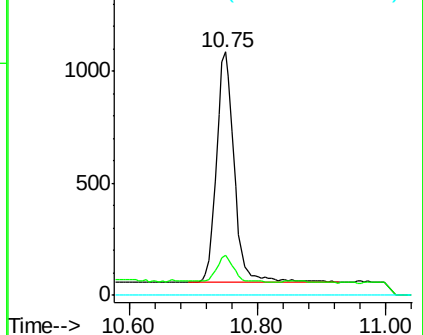
127 0.0 4.0 6.0#



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: 0.109 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.03 min

Lab File: BE094044.D

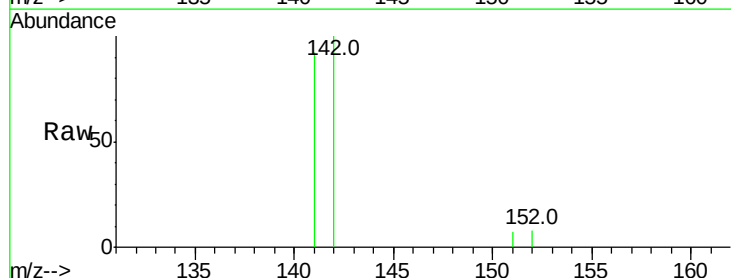
Acq: 20 Sep 2017 22:37

Tgt Ion:142 Resp: 1375

Ion Ratio Lower Upper

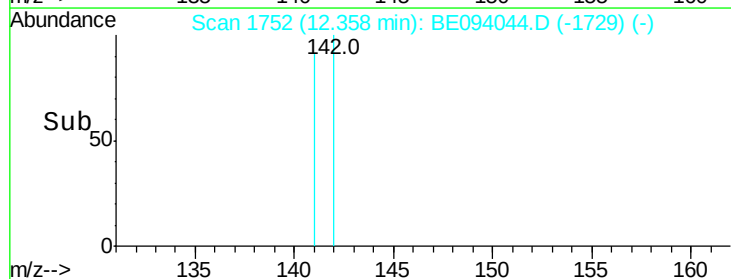
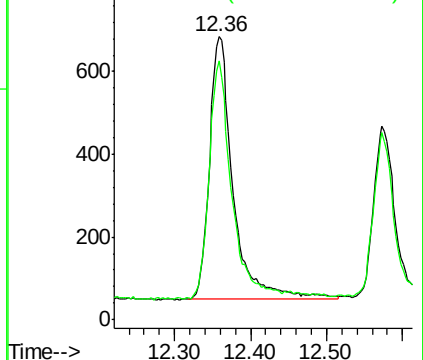
142 100

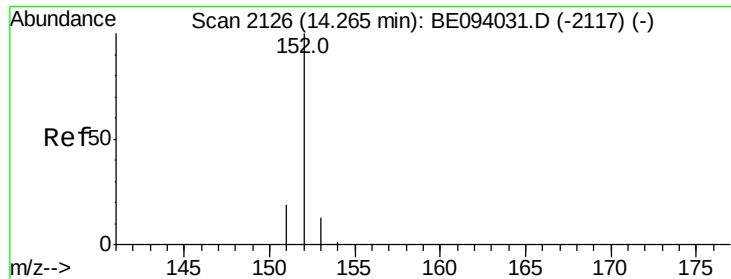
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.045 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

Instrument :

BNA_E

ClientSampleId :

CB3B5

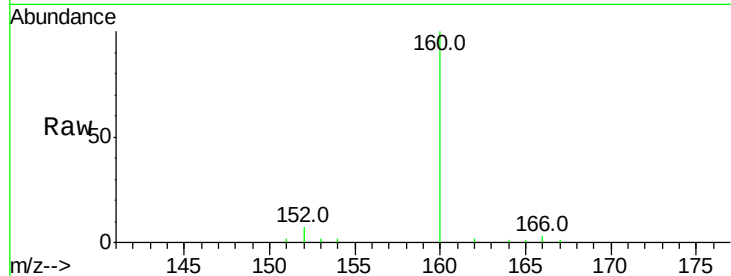
Tot Ion:152 Resp: 886

Ion Ratio Lower Upper

152 100

151 29.9 17.1 25.7#

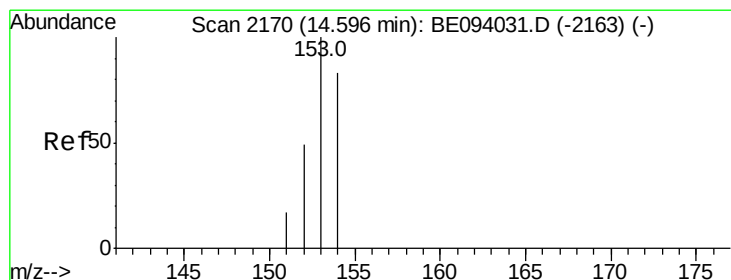
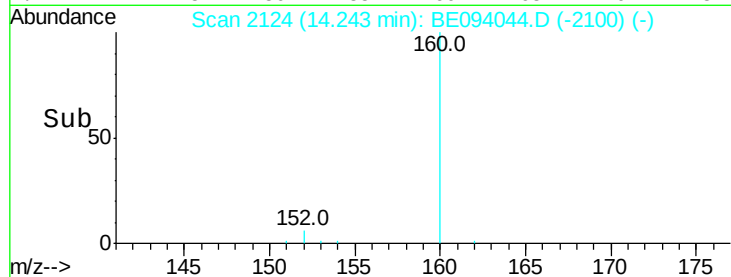
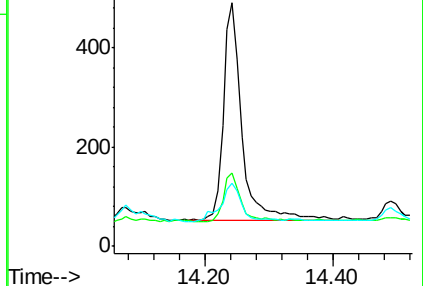
153 25.7 12.8 19.2#



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: 0.157 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

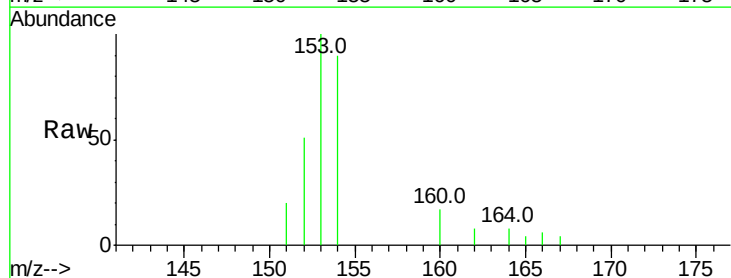
Tgt Ion:153 Resp: 2542

Ion Ratio Lower Upper

153 100

152 50.6 40.3 60.5

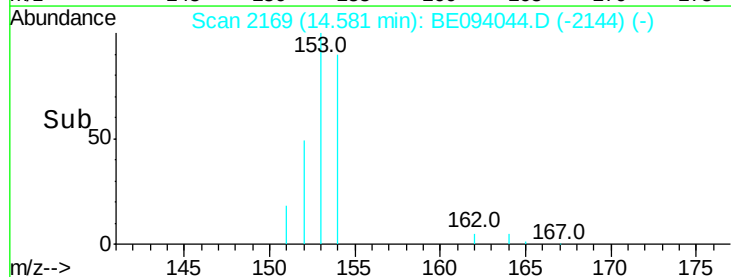
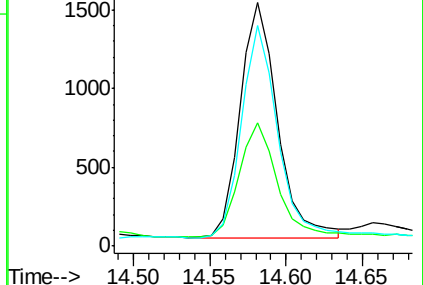
154 90.4 71.4 107.2

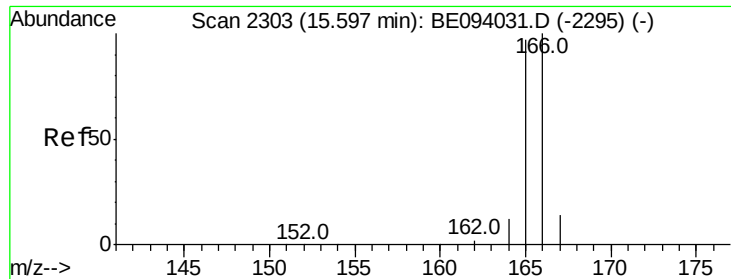


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

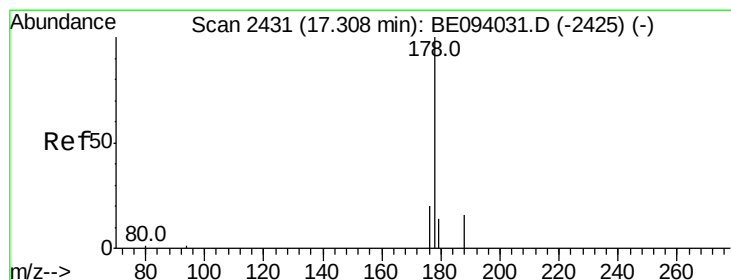
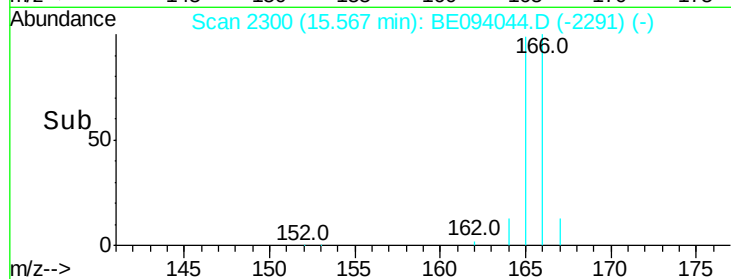
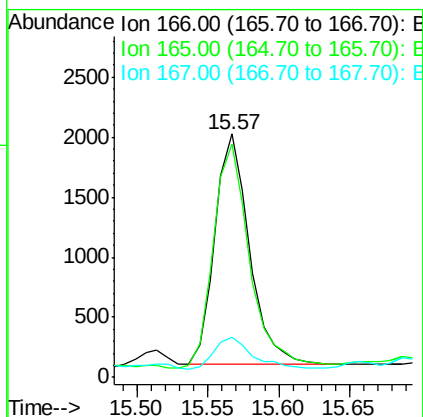
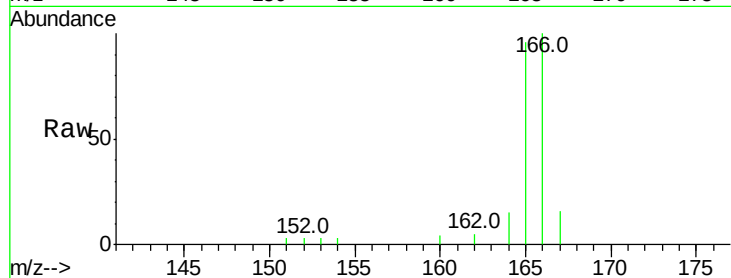




#9
Fluorene
 Concen: 0.171 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.03 min
 Lab File: BE094044.D
 Acq: 20 Sep 2017 22:37

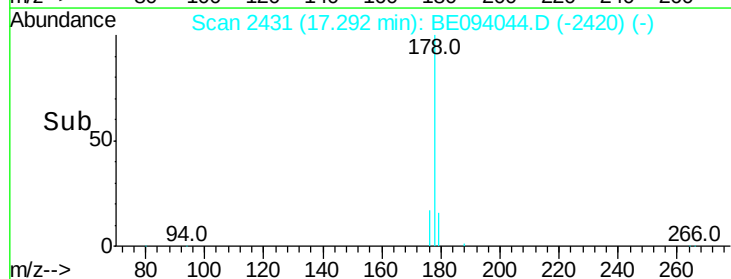
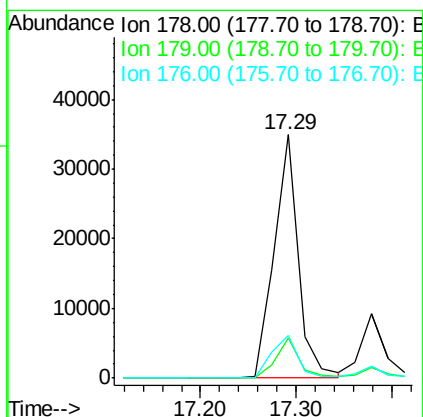
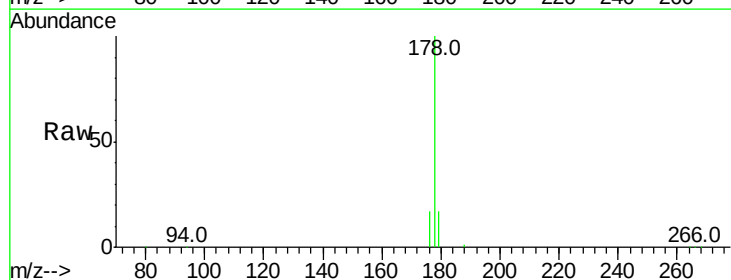
Instrument :
 BNA_E
 ClientSampleID :
 CB3B5

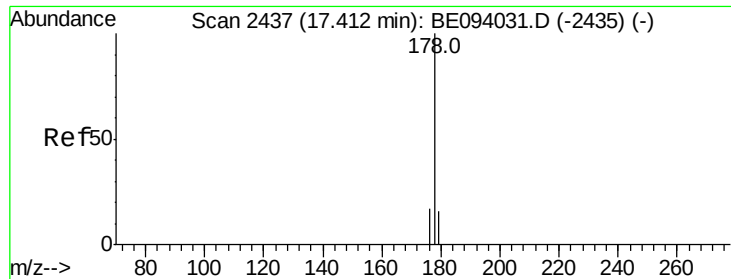
Tot Ion:166 Resp: 3238
 Ion Ratio Lower Upper
 166 100
 165 96.0 73.4 110.2
 167 16.4 14.6 22.0



#12
Phenanthrene
 Concen: 1.752 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094044.D
 Acq: 20 Sep 2017 22:37

Tgt Ion:178 Resp: 60744
 Ion Ratio Lower Upper
 178 100
 179 16.5 18.4 27.6#
 176 17.5 13.6 20.4





#13

Anthracene

Concen: 0.475 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

Instrument :

BNA_E

ClientSampleId :

CB3B5

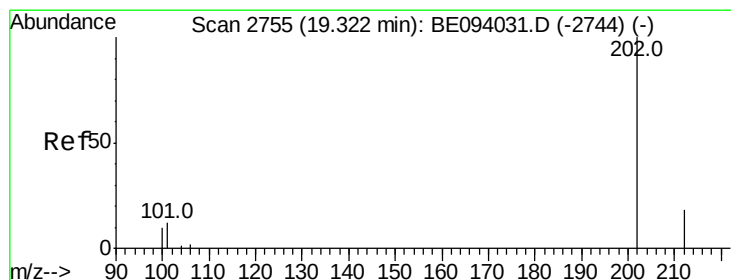
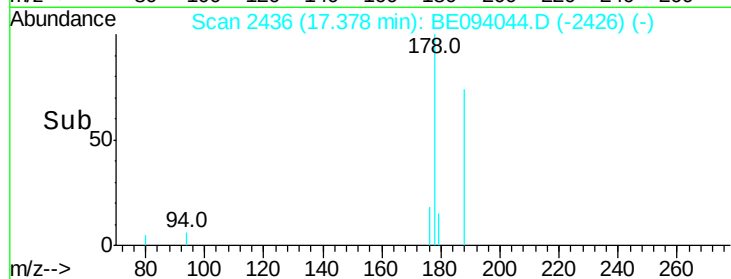
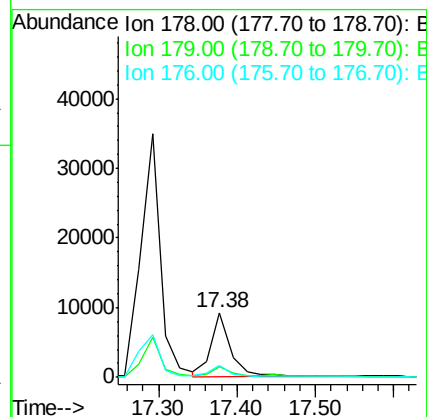
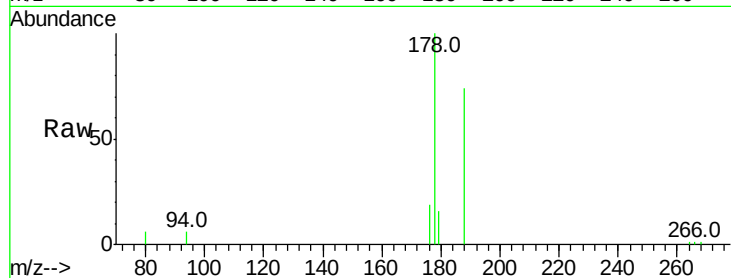
Tot Ion:178 Resp: 16008

Ion Ratio Lower Upper

178 100

179 16.0 18.1 27.1#

176 18.8 14.7 22.1



#15

Fluoranthene

Concen: 2.471 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

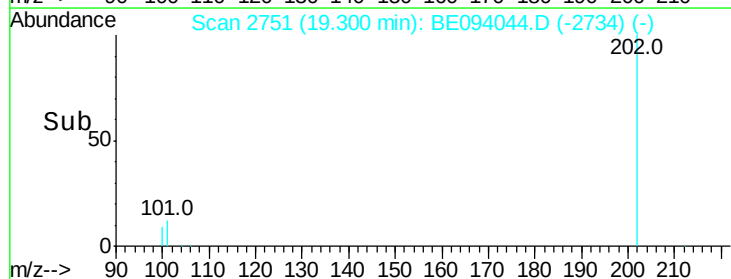
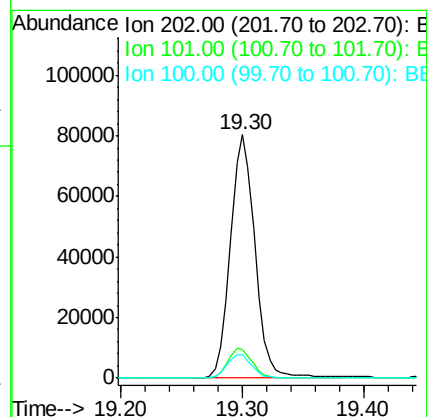
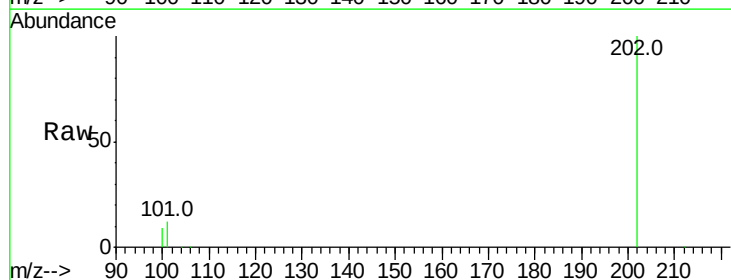
Tgt Ion:202 Resp: 112552

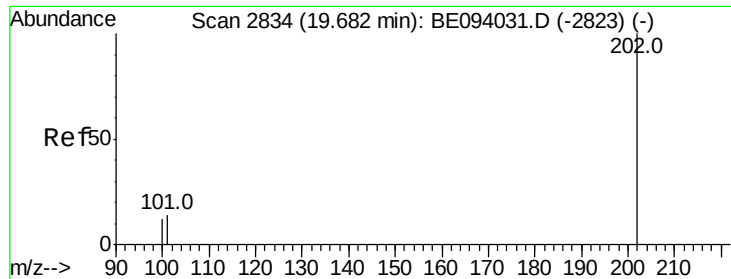
Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.3

100 9.5 0.0 39.5

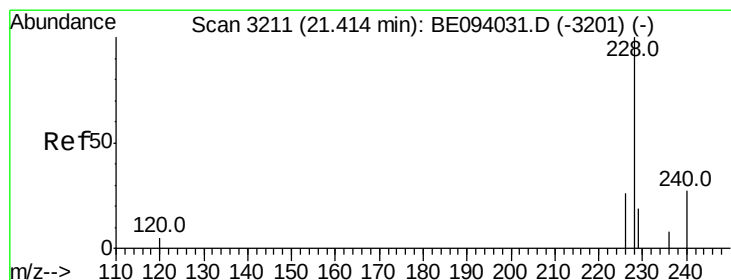
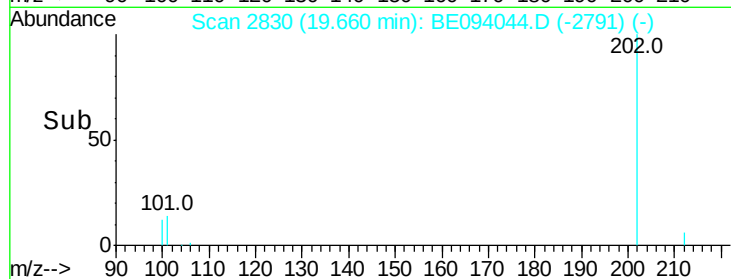
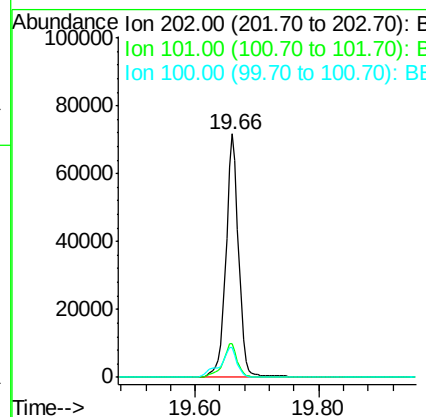
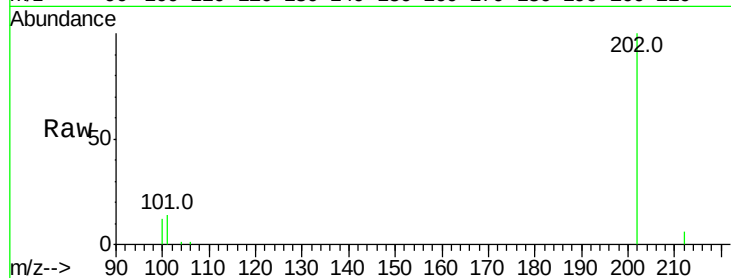




#17
Pvrene
Concen: 2.280 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.02 min
Lab File: BE094044.D
Acq: 20 Sep 2017 22:37

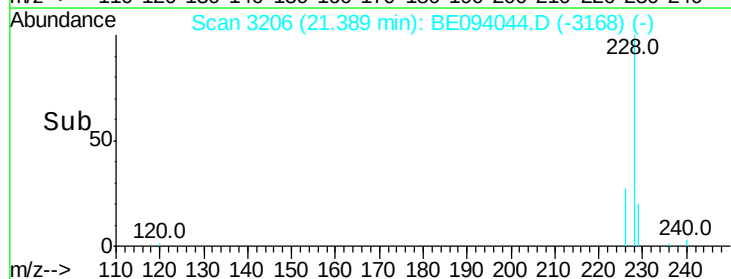
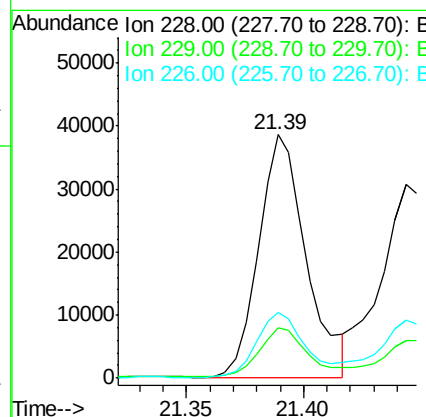
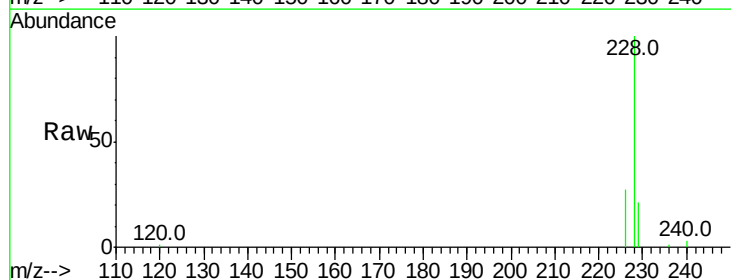
Instrument :
BNA_E
ClientSampleId :
CB3B5

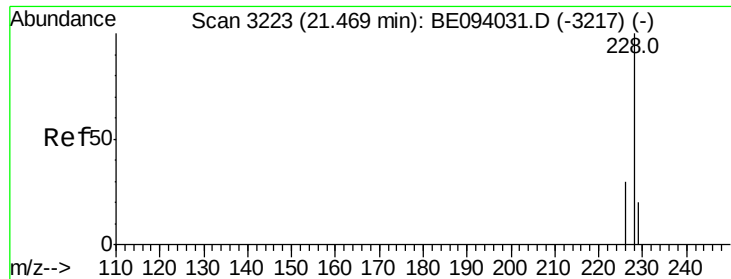
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	18.2	27.4#
100	12.2	15.6	23.4#



#18
Benzo(a)anthracene
Concen: 1.274 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.02 min
Lab File: BE094044.D
Acq: 20 Sep 2017 22:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	22.8	34.2#
226	27.0	17.0	25.6#





#19

Chrysene

Concen: 1.017 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.02 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

Instrument :

BNA_E

ClientSampleId :

CB3B5

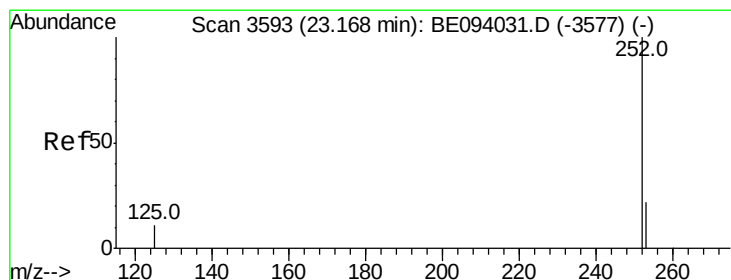
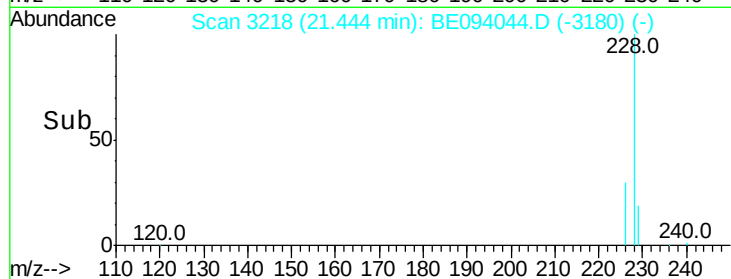
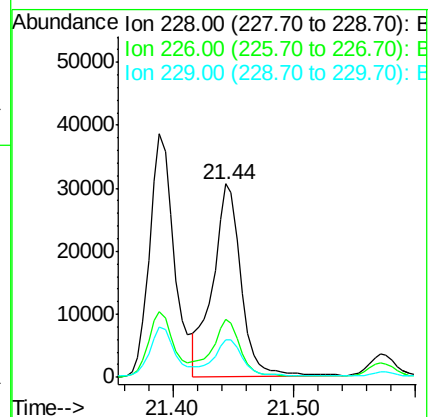
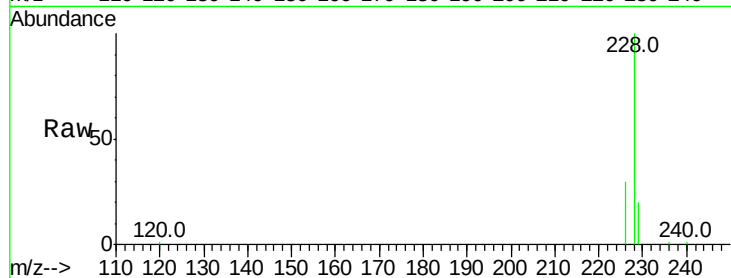
Tot Ion:228 Resp: 50151

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

229 19.5 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 1.887 ng/ul

RT: 23.15 min Scan# 3588

Delta R.T. -0.02 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

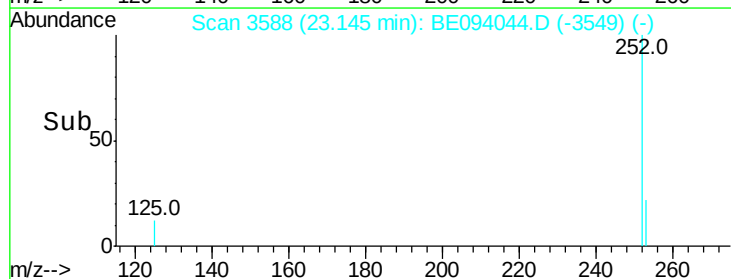
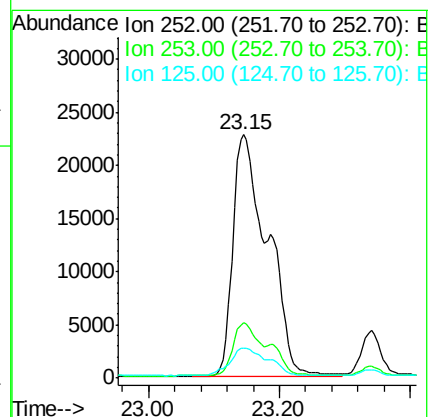
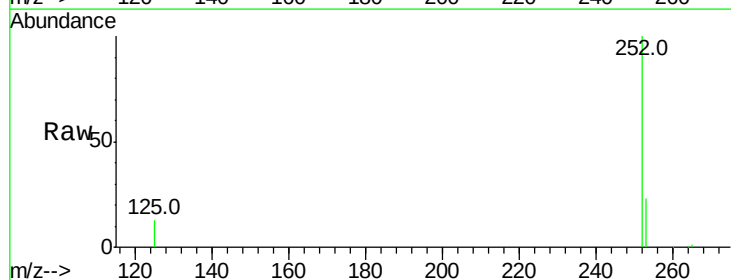
Tgt Ion:252 Resp: 84026

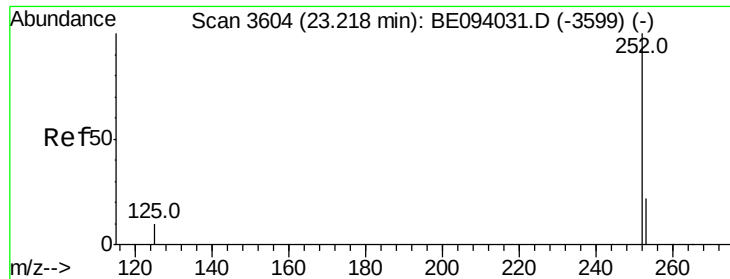
Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

125 12.5 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 1.632 ng/ul

RT: 23.15 min Scan# 3588

Delta R.T. -0.07 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

Instrument :

BNA_E

ClientSampleId :

CB3B5

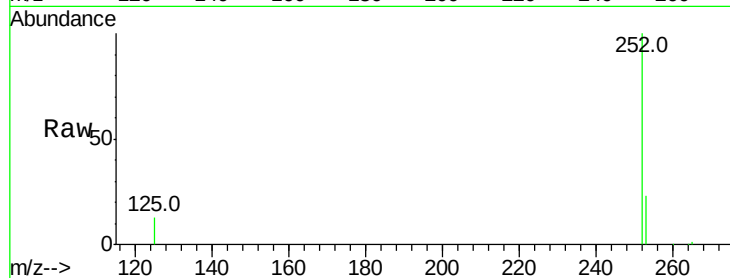
Tot Ion:252 Resp: 84026

Ion Ratio Lower Upper

252 100

253 22.7 24.5 36.7#

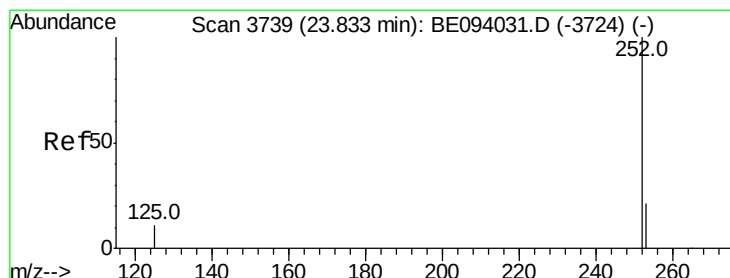
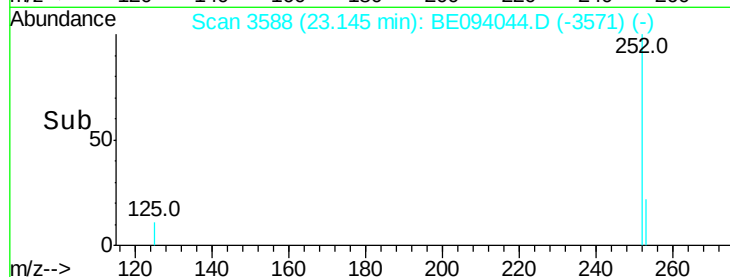
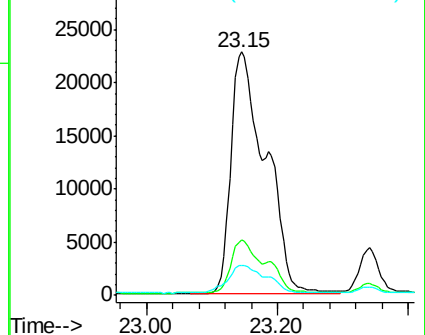
125 12.5 13.7 20.5#



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: 0.950 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. -0.03 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

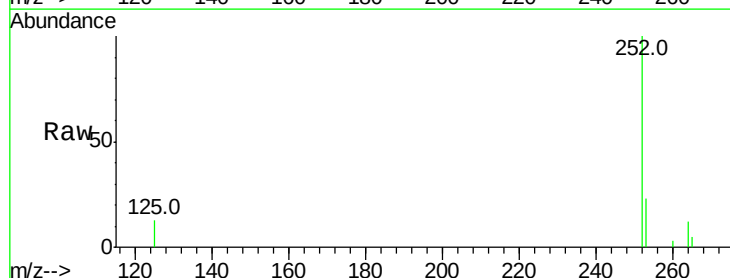
Tgt Ion:252 Resp: 43958

Ion Ratio Lower Upper

252 100

253 22.6 28.5 42.7#

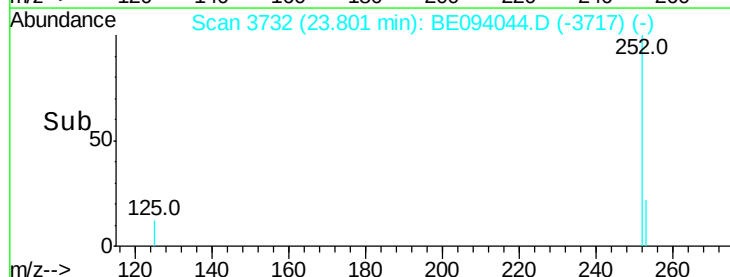
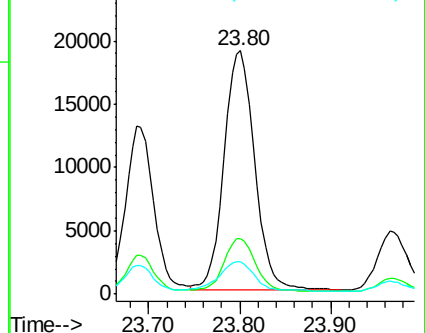
125 13.1 18.1 27.1#

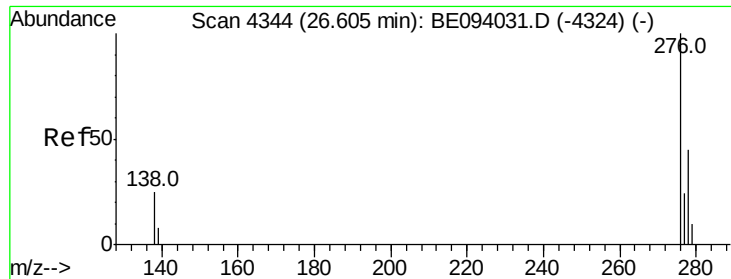


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.573 ng/ul

RT: 26.55 min Scan# 4333

Delta R.T. -0.05 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

Instrument :

BNA_E

ClientSampled :

CB3B5

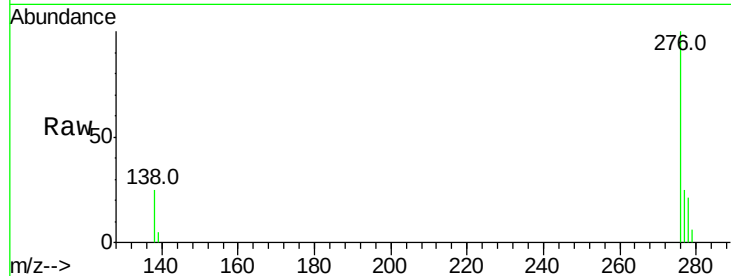
Tot Ion:276 Resp: 27108

Ion Ratio Lower Upper

276 100

138 24.2 28.0 42.0#

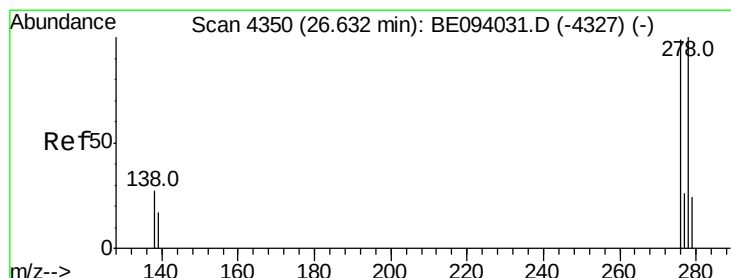
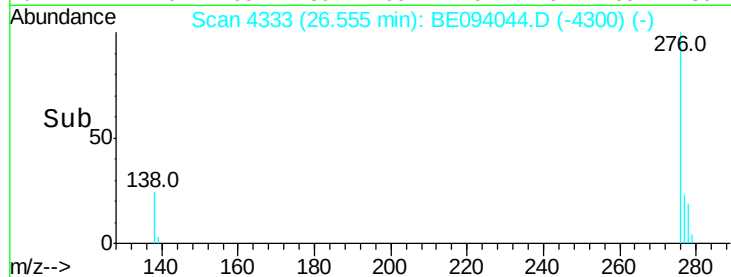
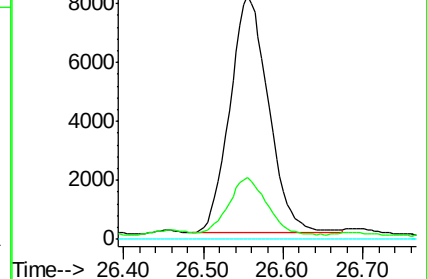
227 0.0 8.0 12.0#



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



#25

Dibenzo(a,h)anthracene

Concen: 0.168 ng/ul

RT: 26.56 min Scan# 4334

Delta R.T. -0.07 min

Lab File: BE094044.D

Acq: 20 Sep 2017 22:37

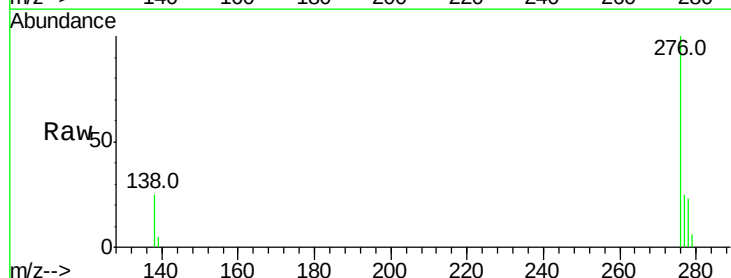
Tgt Ion:278 Resp: 6665

Ion Ratio Lower Upper

278 100

139 23.1 17.4 26.0

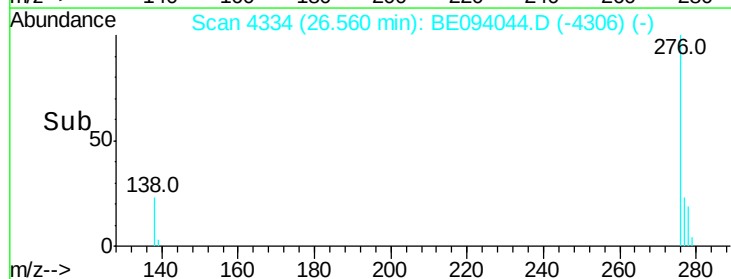
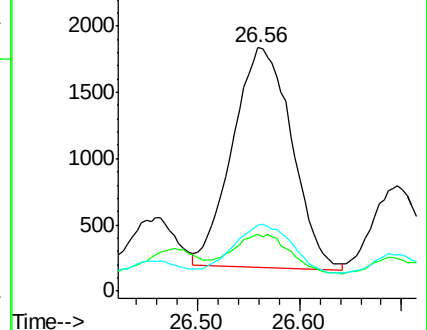
279 27.1 25.9 38.9

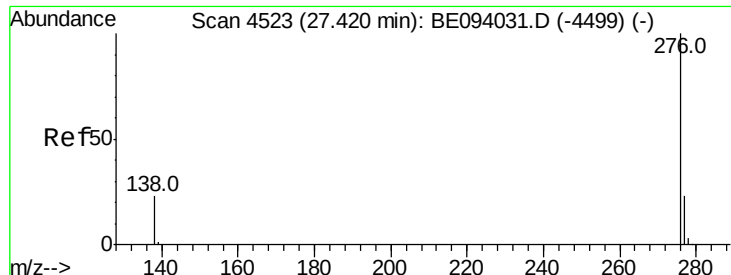


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.662 ng/ul

RT: 27.38 min Scan# 4514

Delta R.T. -0.04 min

Lab File: BE094044.D

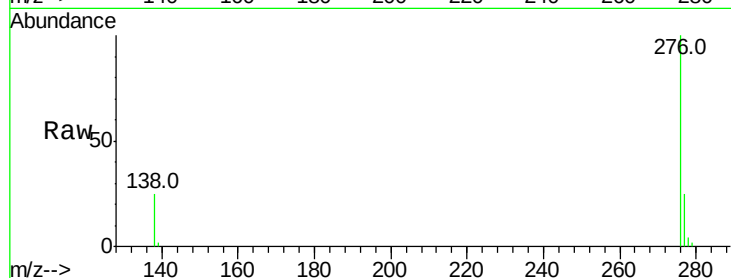
Acq: 20 Sep 2017 22:37

Instrument :

BNA_E

ClientSampleId :

CB3B5



Tot Ion:276 Resp: 27018

Ion Ratio Lower Upper

276 100

138 24.7 21.8 32.8

277 24.6 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

