

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094053.D
 Acq On : 21 Sep 2017 4:14
 Operator : SJ/JU
 Sample : I5283-20 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3C3

Quant Time: Sep 21 07:30:25 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	1491	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7955	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5252	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	13850	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	15652	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	15338	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	376	0.03	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	1361	0.03	ng/ul	-0.02

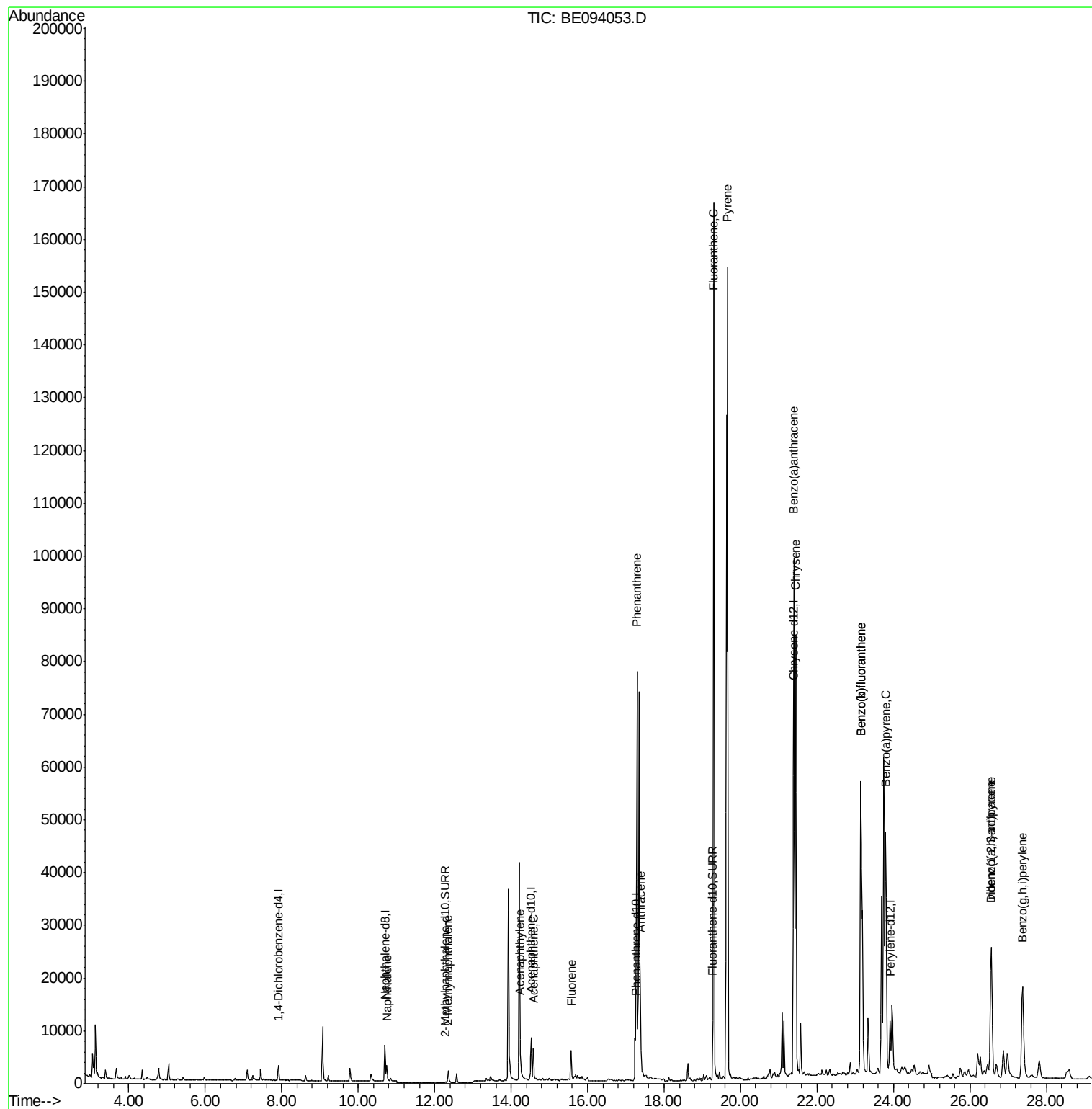
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	4796	0.246	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	2400	0.190	ng/ul	99
7) Acenaphthylene	14.24	152	2653	0.130	ng/ul	97
8) Acenaphthene	14.58	153	3876	0.230	ng/ul	99
9) Fluorene	15.57	166	3969	0.201	ng/ul	94
12) Phenanthrene	17.29	178	98965	2.734	ng/ul#	92
13) Anthracene	17.38	178	20625	0.586	ng/ul#	93
15) Fluoranthene	19.30	202	189602	3.987	ng/ul	84
17) Pyrene	19.66	202	168269	3.864	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	89581	2.157	ng/ul#	87
19) Chrysene	21.44	228	91036	1.898	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	147396	3.538	ng/ul	85
22) Benzo(k)fluoranthene	23.15	252	147396	3.061	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	73071	1.688	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.56	276	45227	1.021	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.56	278	12022	0.324	ng/ul	95
26) Benzo(a,h,i)perylene	27.38	276	43572	1.141	ng/ul	97

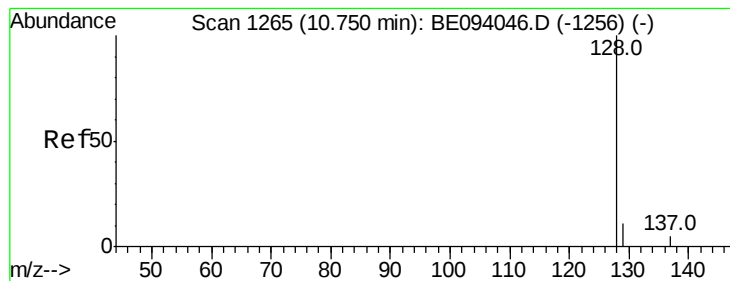
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.246 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094053.D

Acq: 21 Sep 2017 4:14

Instrument :

BNA_E

ClientSampleId :

CB3C3

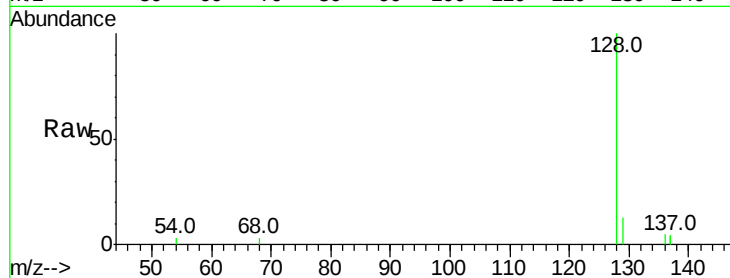
Tot Ion:128 Resp: 4796

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

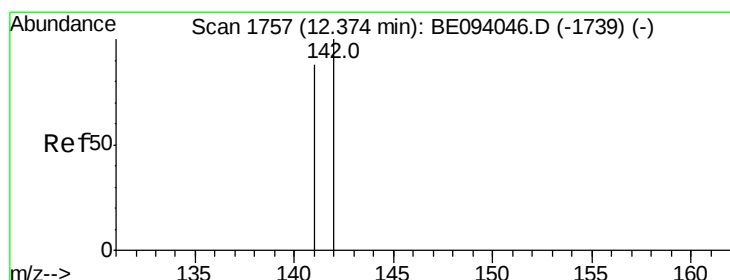
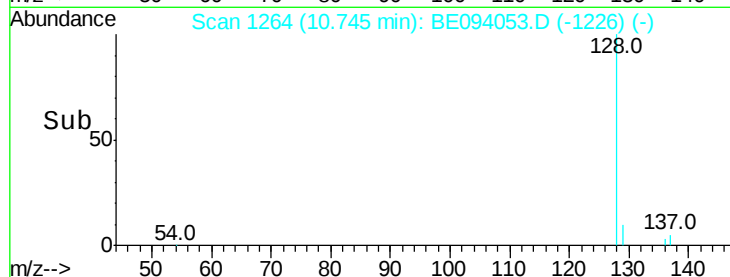
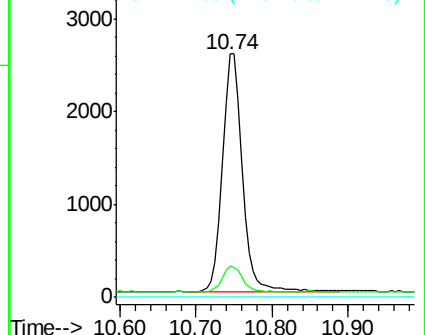
127 0.0 4.0 6.0#



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: 0.190 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.02 min

Lab File: BE094053.D

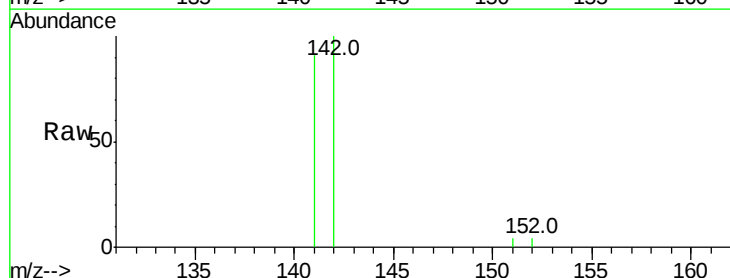
Acq: 21 Sep 2017 4:14

Tgt Ion:142 Resp: 2400

Ion Ratio Lower Upper

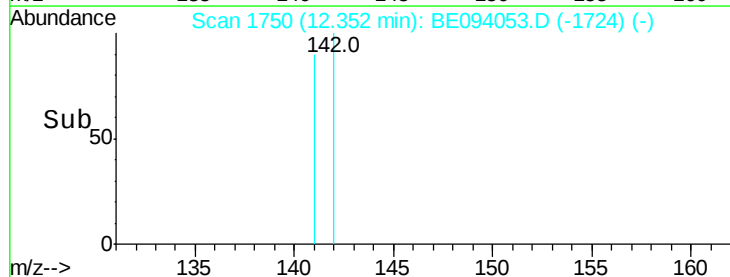
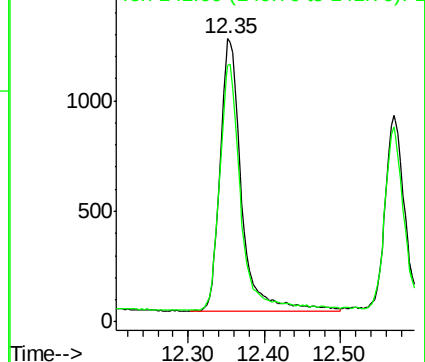
142 100

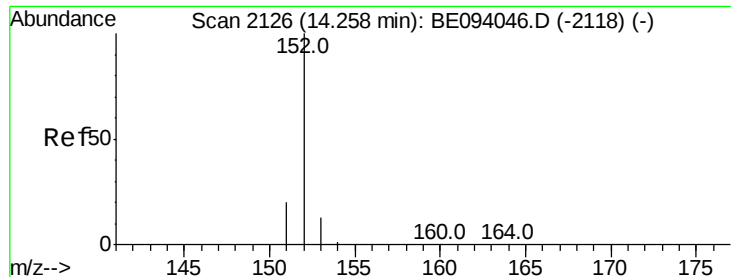
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.130 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094053.D

Acq: 21 Sep 2017 4:14

Instrument :

BNA_E

ClientSampleId :

CB3C3

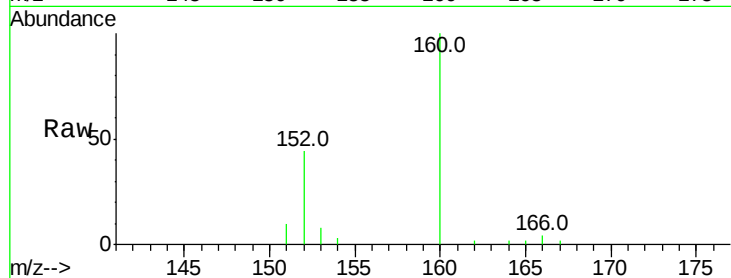
Tot Ion:152 Resp: 2653

Ion Ratio Lower Upper

152 100

151 22.2 17.1 25.7

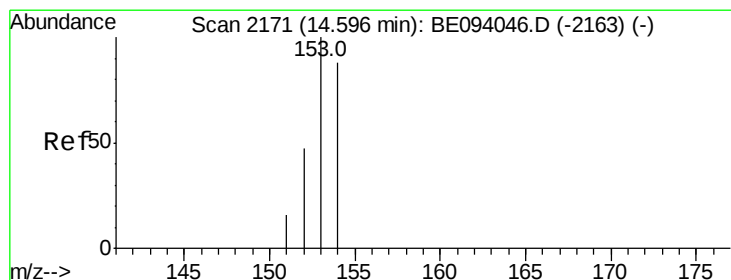
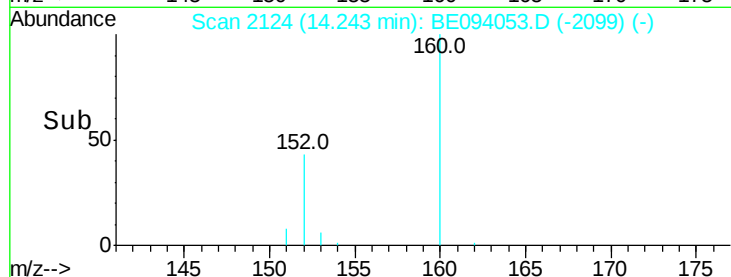
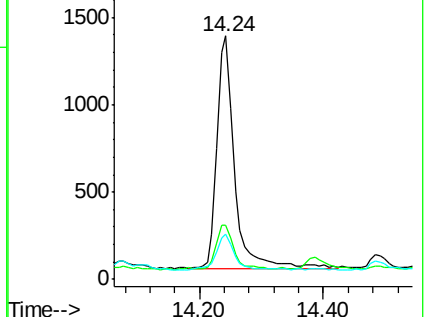
153 18.4 12.8 19.2



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: 0.230 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094053.D

Acq: 21 Sep 2017 4:14

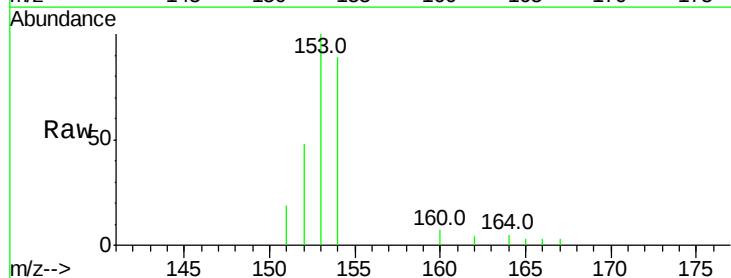
Tgt Ion:153 Resp: 3876

Ion Ratio Lower Upper

153 100

152 48.3 40.3 60.5

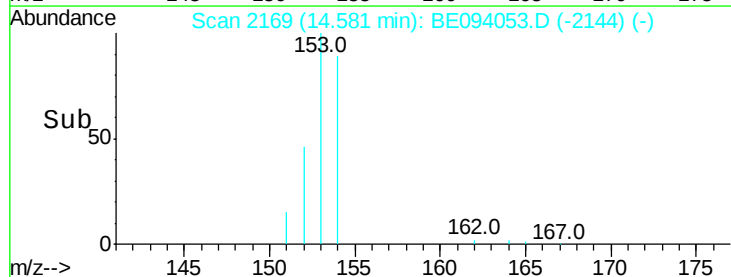
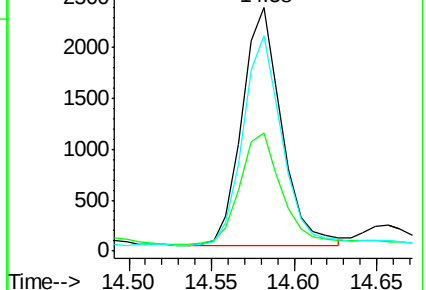
154 88.7 71.4 107.2

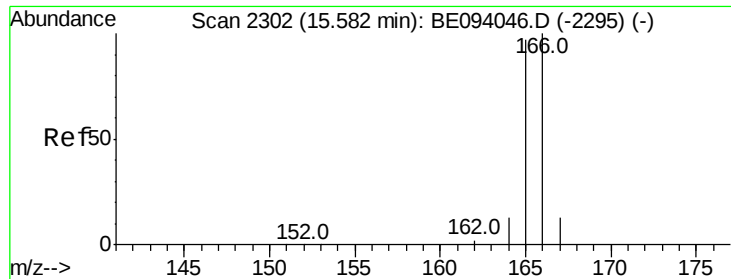


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

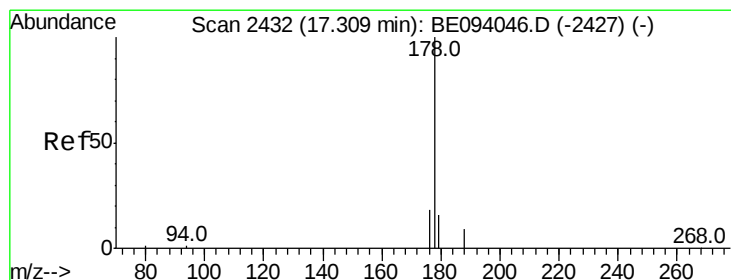
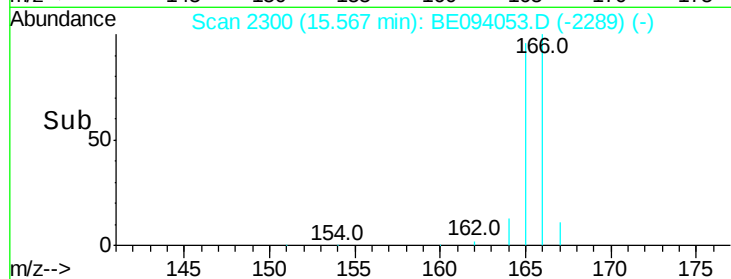
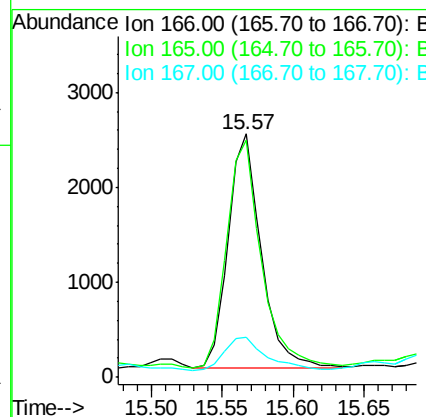
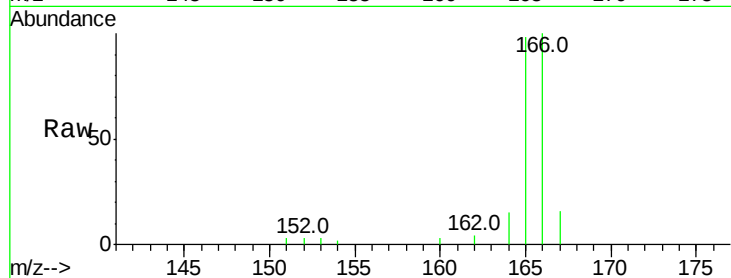




#9
Fluorene
 Concen: 0.201 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094053.D
 Acq: 21 Sep 2017 4:14

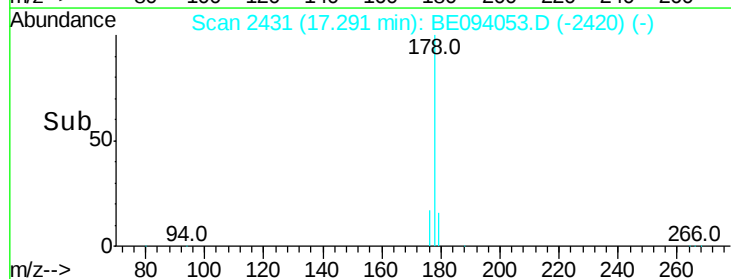
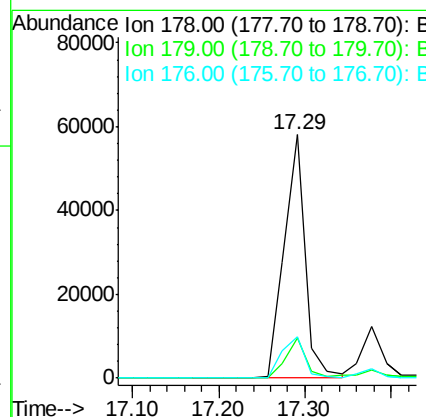
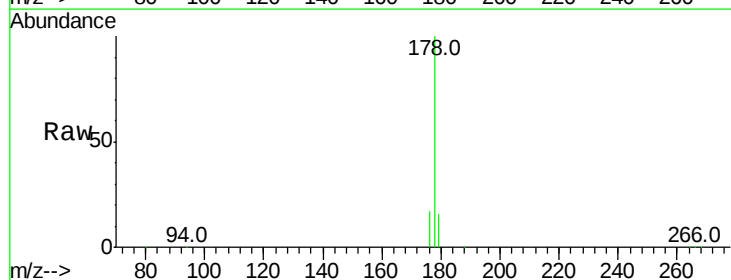
Instrument :
 BNA_E
 ClientSampleId :
 CB3C3

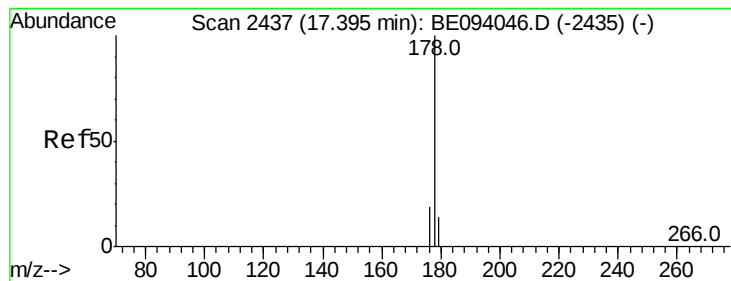
Tot Ion:166 Resp: 3969
 Ion Ratio Lower Upper
 166 100
 165 97.7 73.4 110.2
 167 16.5 14.6 22.0



#12
Phenanthrene
 Concen: 2.734 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094053.D
 Acq: 21 Sep 2017 4:14

Tgt Ion:178 Resp: 98965
 Ion Ratio Lower Upper
 178 100
 179 16.4 18.4 27.6#
 176 17.0 13.6 20.4





#13

Anthracene

Concen: 0.586 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094053.D

Acq: 21 Sep 2017 4:14

Instrument :

BNA_E

ClientSampleId :

CB3C3

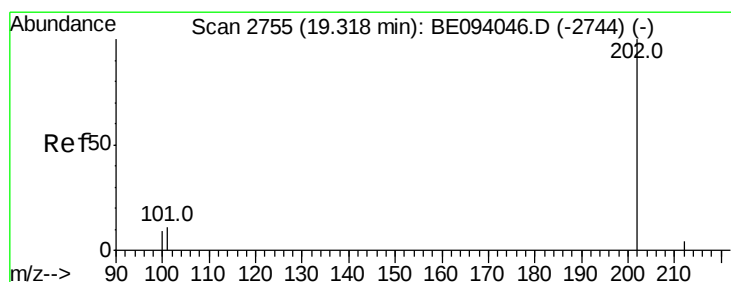
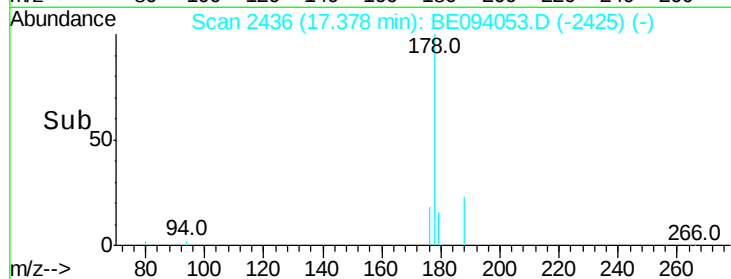
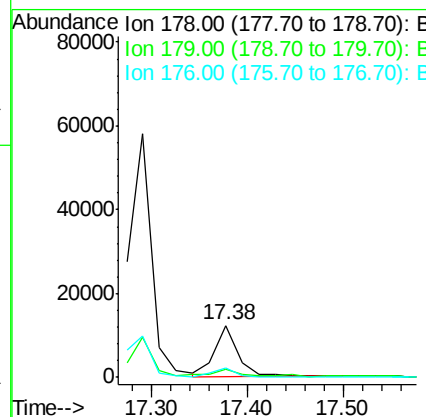
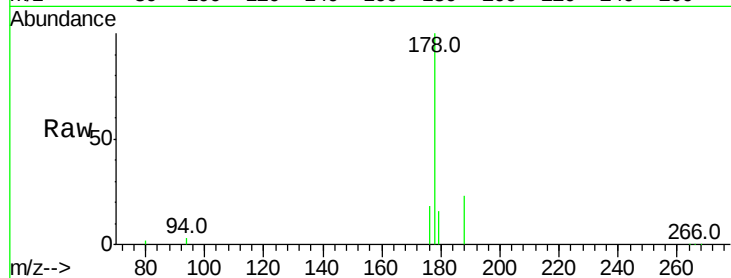
Tot Ion:178 Resp: 20625

Ion Ratio Lower Upper

178 100

179 16.5 18.1 27.1#

176 18.2 14.7 22.1



#15

Fluoranthene

Concen: 3.987 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094053.D

Acq: 21 Sep 2017 4:14

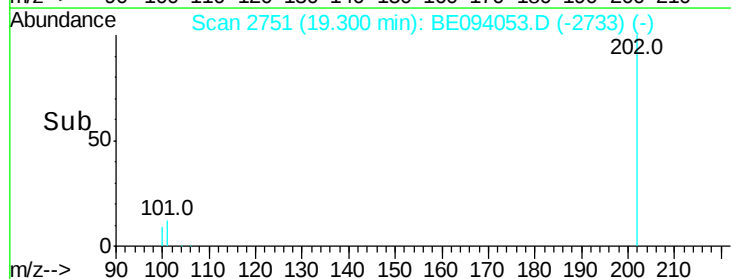
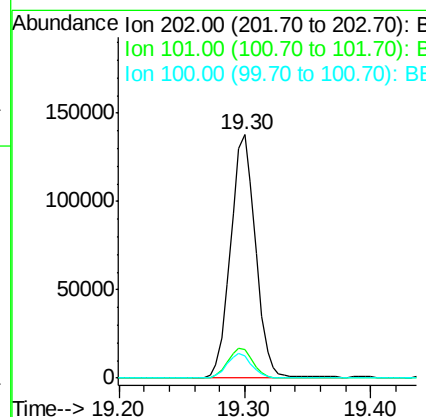
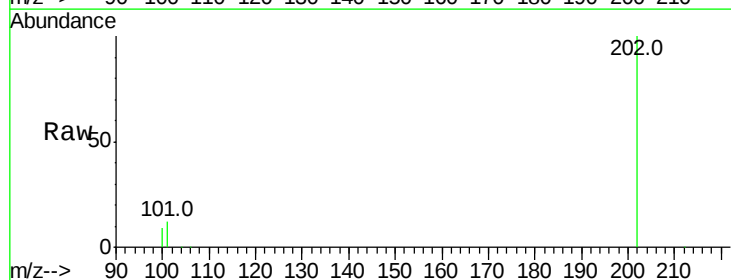
Tgt Ion:202 Resp: 189602

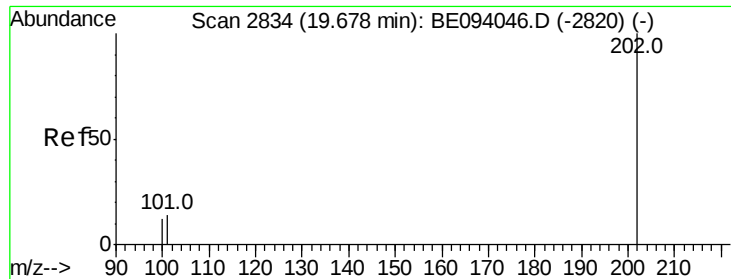
Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

100 9.2 0.0 39.5

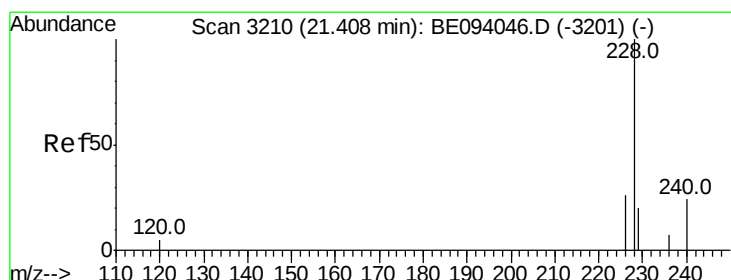
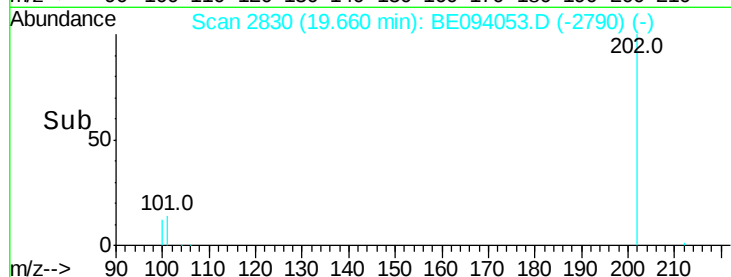
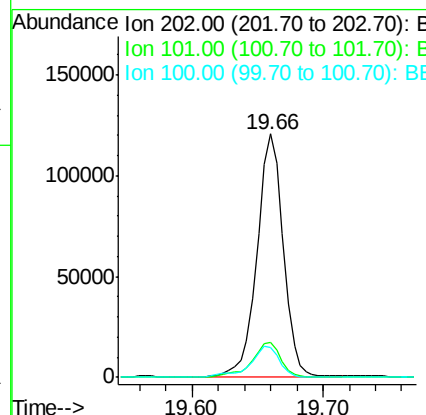
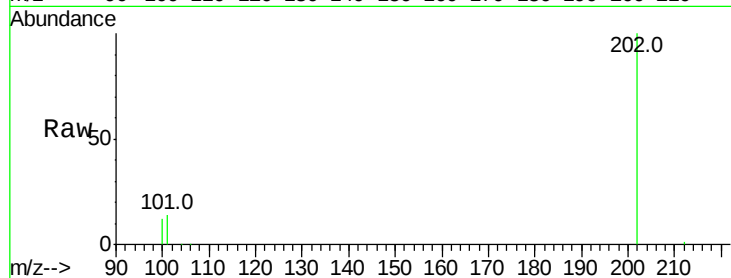




#17
Pvrene
Concen: 3.864 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.02 min
Lab File: BE094053.D
Acq: 21 Sep 2017 4:14

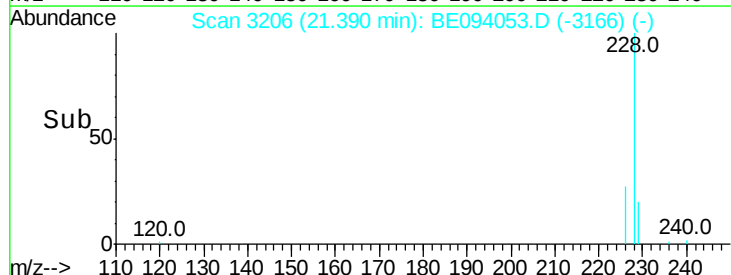
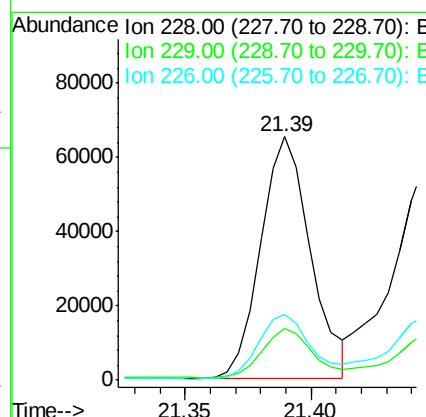
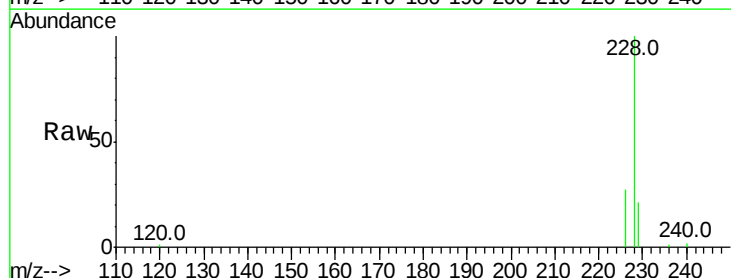
Instrument :
BNA_E
ClientSampleId :
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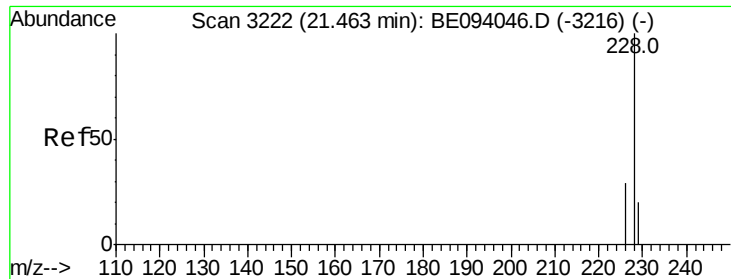
Tot Ion:202 Resp: 168269
Ion Ratio Lower Upper
202 100
101 14.1 18.2 27.4#
100 12.2 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 2.157 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.02 min
Lab File: BE094053.D
Acq: 21 Sep 2017 4:14

Tgt Ion:228 Resp: 89581
Ion Ratio Lower Upper
228 100
229 21.0 22.8 34.2#
226 27.0 17.0 25.6#





#19

Chrysene

Concen: 1.898 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.02 min

Lab File: BE094053.D

Acq: 21 Sep 2017 4:14

Instrument :

BNA_E

ClientSampleId :

CB3C3

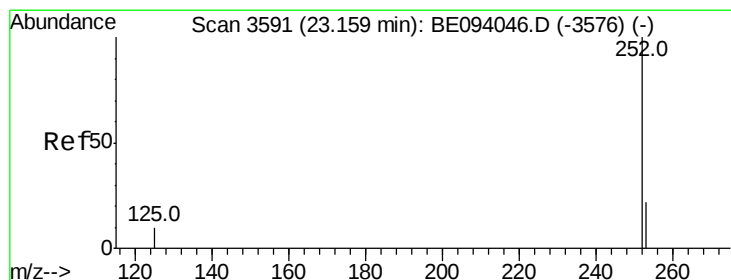
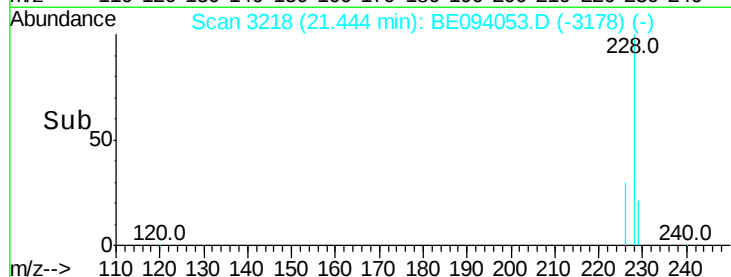
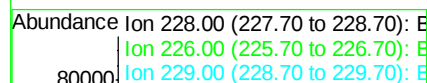
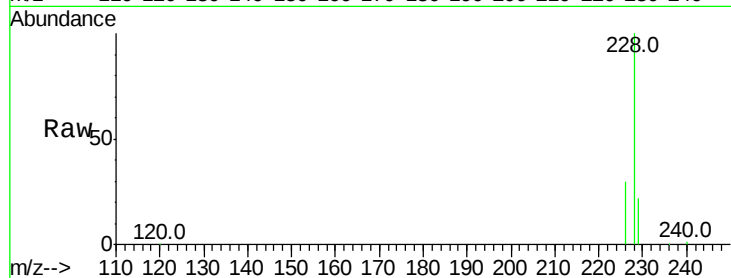
Tot Ion:228 Resp: 91036

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

229 21.6 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 3.538 ng/ul

RT: 23.15 min Scan# 3588

Delta R.T. -0.01 min

Lab File: BE094053.D

Acq: 21 Sep 2017 4:14

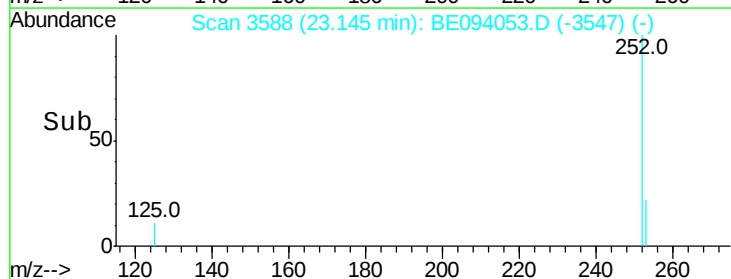
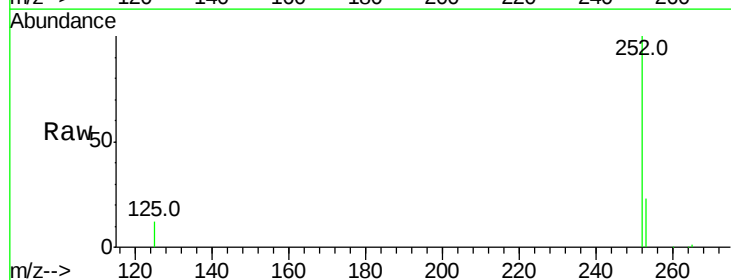
Tgt Ion:252 Resp: 147396

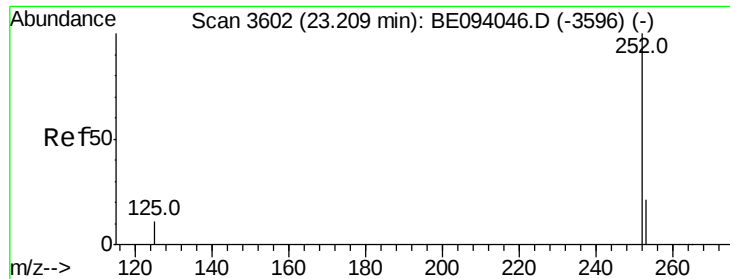
Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

125 12.4 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 3.061 ng/ul

RT: 23.15 min Scan# 3588

Delta R.T. -0.06 min

Lab File: BE094053.D

Acq: 21 Sep 2017 4:14

Instrument :

BNA_E

ClientSampleId :

CB3C3

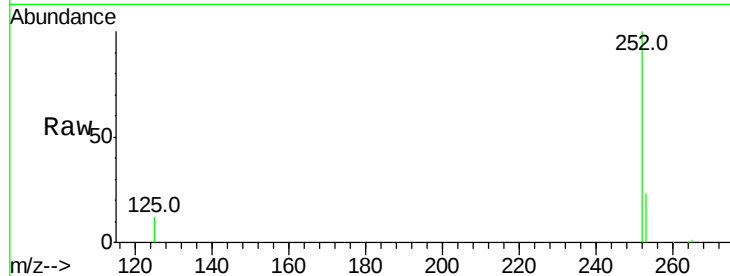
Tot Ion:252 Resp: 147396

Ion Ratio Lower Upper

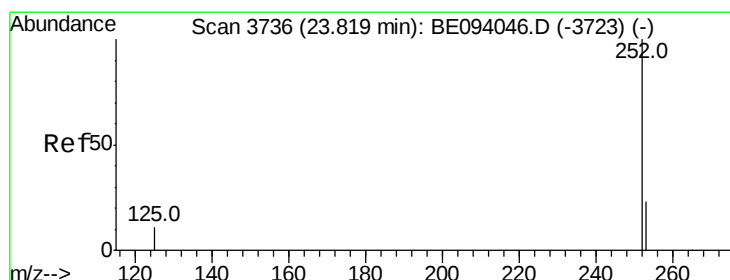
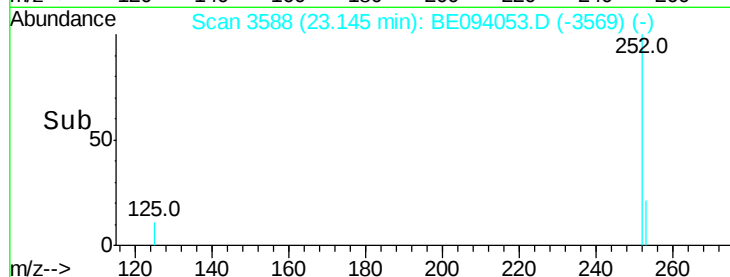
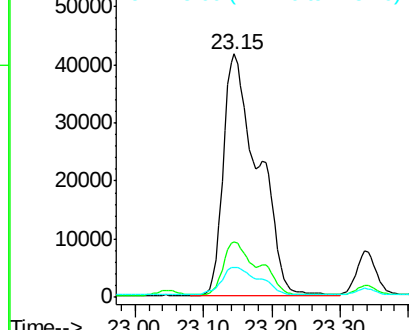
252 100

253 23.0 24.5 36.7#

125 12.4 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: 1.688 ng/ul

RT: 23.80 min Scan# 3731

Delta R.T. -0.02 min

Lab File: BE094053.D

Acq: 21 Sep 2017 4:14

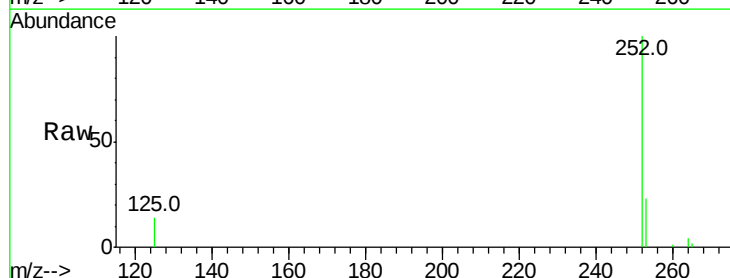
Tgt Ion:252 Resp: 73071

Ion Ratio Lower Upper

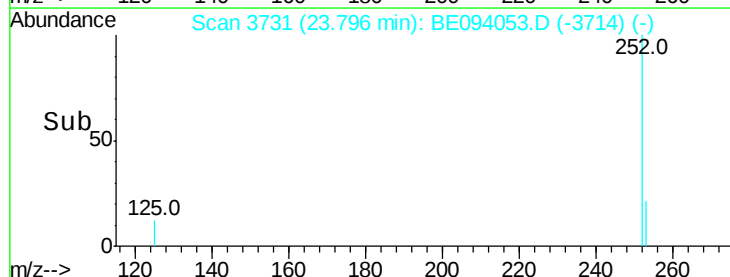
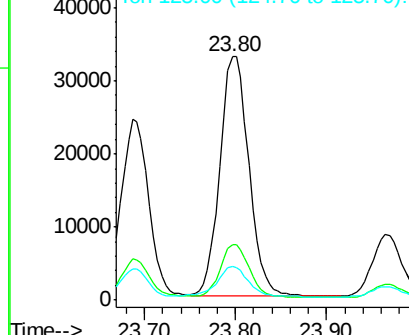
252 100

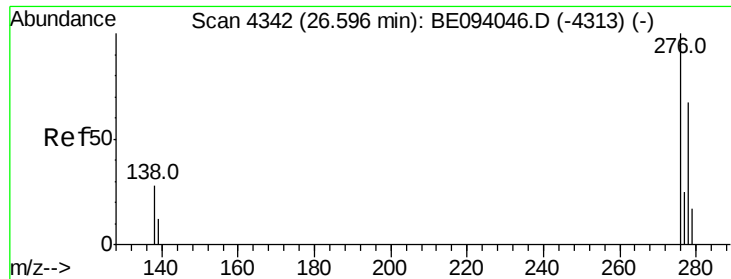
253 22.6 28.5 42.7#

125 13.6 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



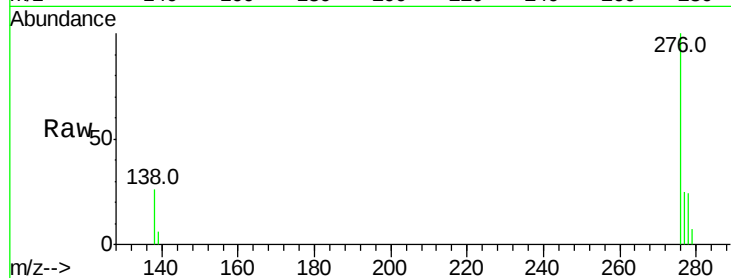


#24

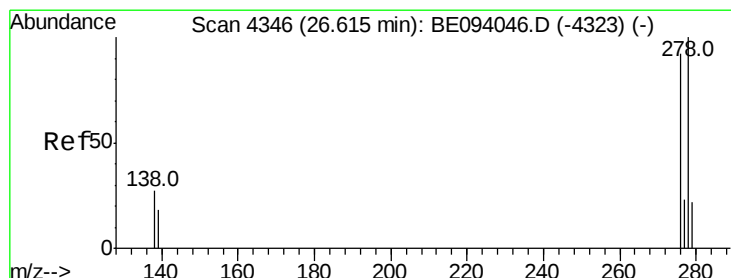
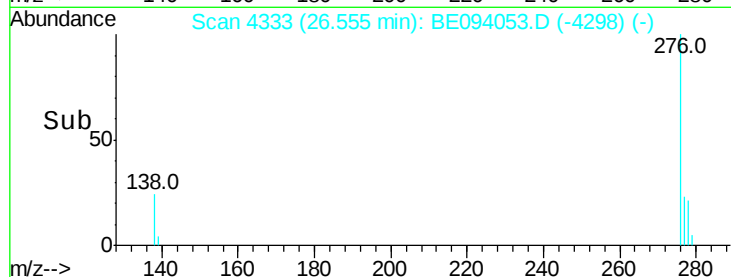
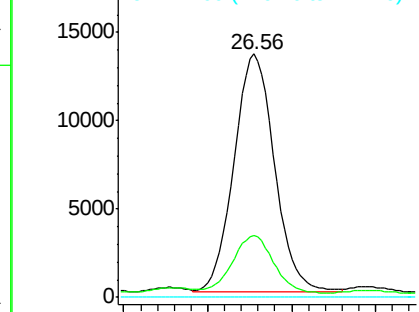
Indeno(1,2,3-cd)pyrene
Concen: 1.021 ng/ul
RT: 26.56 min Scan# 4333
Delta R.T. -0.04 min
Lab File: BE094053.D
Acq: 21 Sep 2017 4:14

Instrument :
BNA_E
ClientSampleId :
CB3C3

Tot Ion:276 Resp: 45227
Ion Ratio Lower Upper
276 100
138 24.1 28.0 42.0#
227 0.0 8.0 12.0#



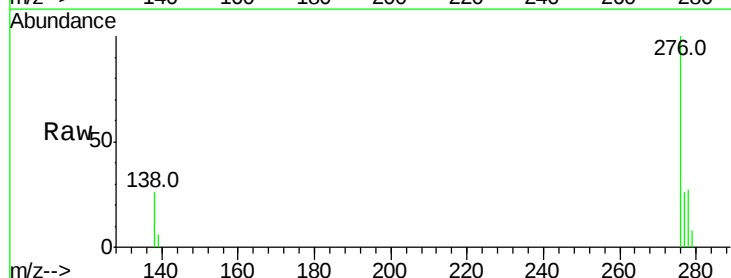
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



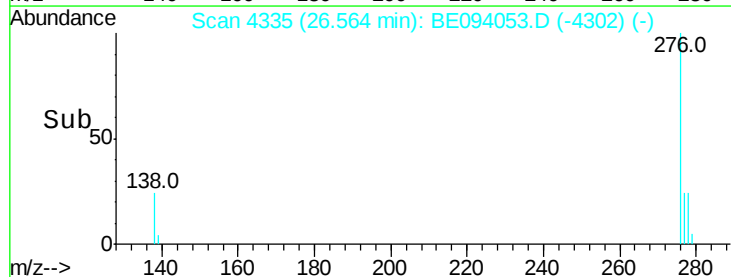
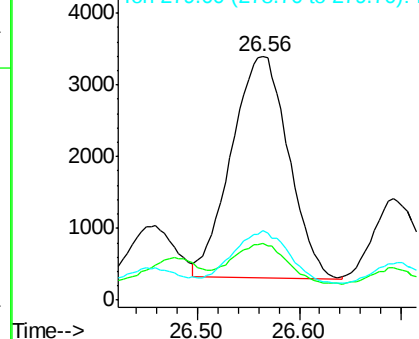
#25

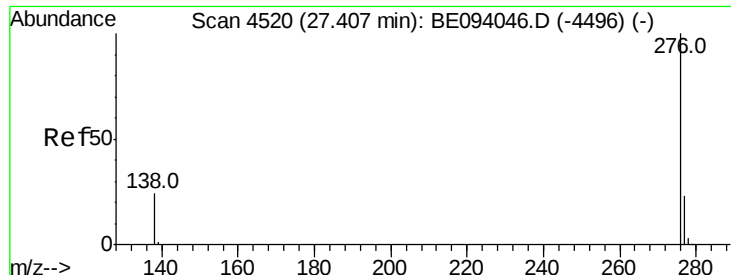
Dibenzo(a,h)anthracene
Concen: 0.324 ng/ul
RT: 26.56 min Scan# 4335
Delta R.T. -0.05 min
Lab File: BE094053.D
Acq: 21 Sep 2017 4:14

Tgt Ion:278 Resp: 12022
Ion Ratio Lower Upper
278 100
139 23.2 17.4 26.0
279 28.5 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: 1.141 ng/ul

RT: 27.38 min Scan# 4513

Delta R.T. -0.03 min

Lab File: BE094053.D

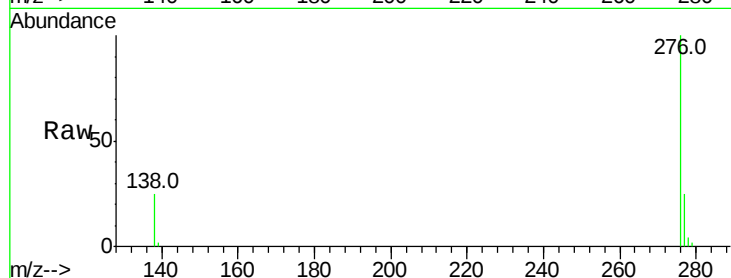
Acq: 21 Sep 2017 4:14

Instrument :

BNA_E

ClientSampleId :

CB3C3



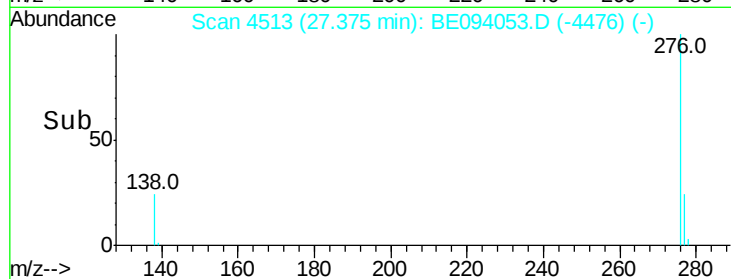
Tot Ion: 276 Resp: 43572

Ion Ratio Lower Upper

276 100

138 25.2 21.8 32.8

277 24.8 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

