

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094037.D
 Acq On : 20 Sep 2017 18:18
 Operator : SJ/JU
 Sample : I5283-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3A6

Quant Time: Sep 21 06:28:01 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

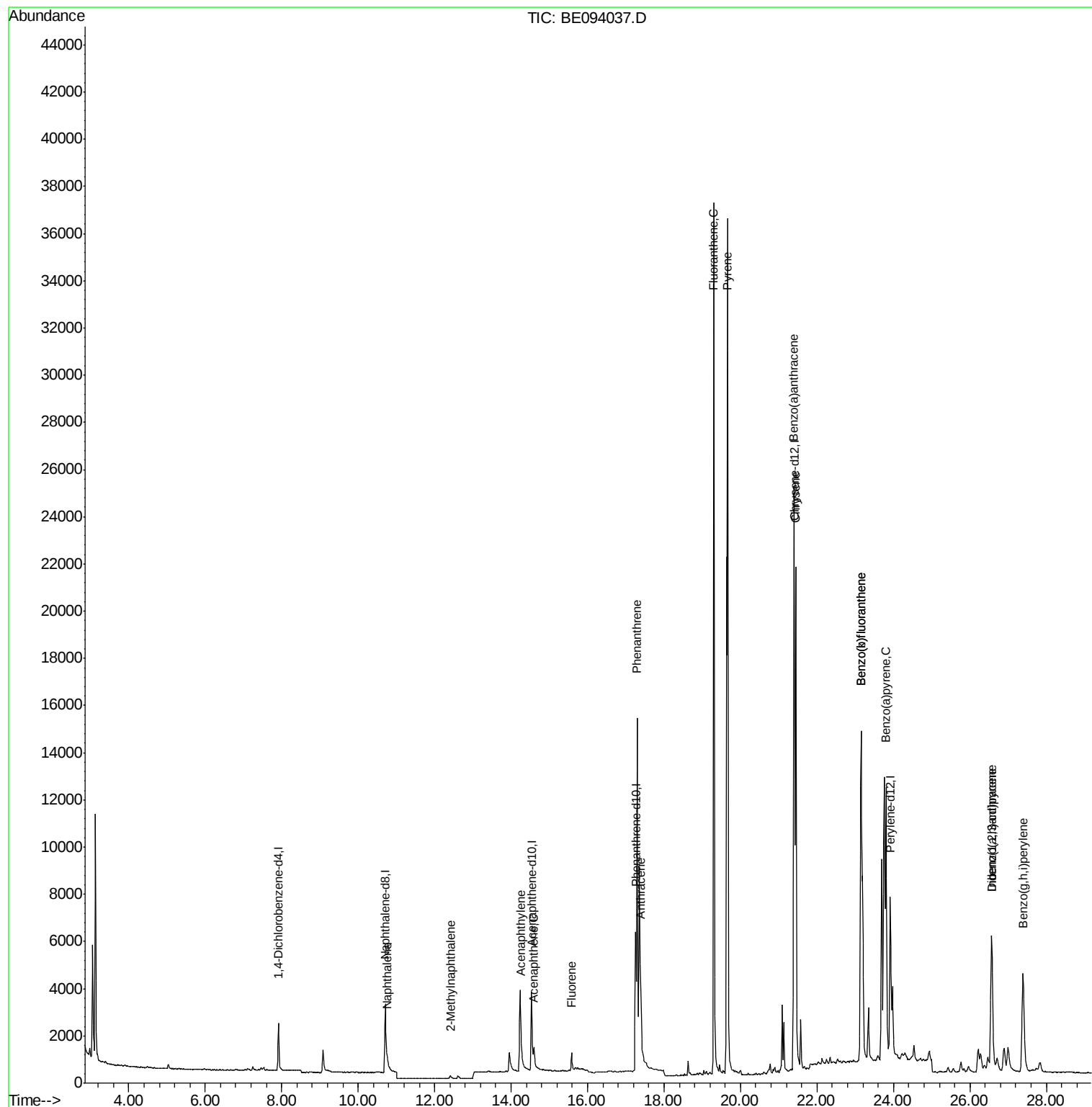
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1147	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	5179	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	3165	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8947	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12192	0.40	ng/ul	-0.02
20) Perylene-d12	23.92	264	10845	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.33	152	47	0.01	ng/ul	0.02
14) Fluoranthene-d10	19.28	212	236	0.01	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	526	0.041	ng/ul#	65
5) 2-Methylnaphthalene	12.41	142	202	0.025	ng/ul	96
7) Acenaphthylene	14.26	152	604	0.049	ng/ul#	72
8) Acenaphthene	14.60	153	642	0.063	ng/ul	94
9) Fluorene	15.58	166	725	0.061	ng/ul#	92
12) Phenanthrene	17.29	178	20614	0.882	ng/ul#	87
13) Anthracene	17.38	178	4226	0.186	ng/ul#	90
15) Fluoranthene	19.30	202	46365	1.509	ng/ul	84
17) Pyrene	19.66	202	43579	1.285	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	23494	0.726	ng/ul#	86
19) Chrysene	21.45	228	24054	0.644	ng/ul	97
21) Benzo(b)fluoranthene	23.15	252	39076	1.326	ng/ul	86
22) Benzo(k)fluoranthene	23.15	252	39076	1.148	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	19022	0.621	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.57	276	11733	0.375	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.57	278	2923	0.111	ng/ul#	92
26) Benzo(a,h,i)perylene	27.39	276	10907	0.404	ng/ul	97

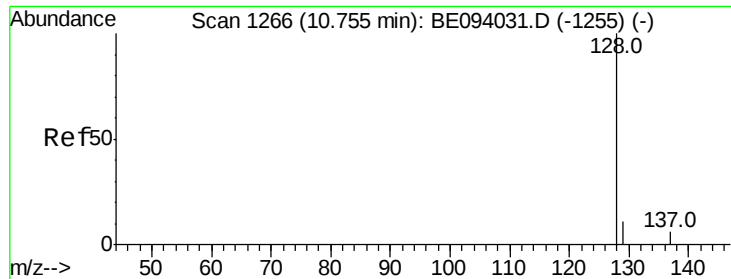
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.041 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

Instrument :

BNA_E

ClientSampleId :

CB3A6

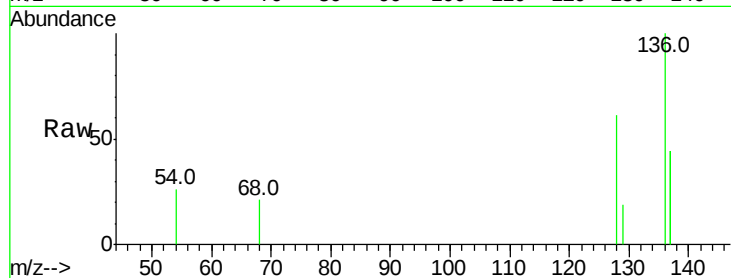
Tot Ion:128 Resp: 526

Ion Ratio Lower Upper

128 100

129 31.4 11.3 16.9#

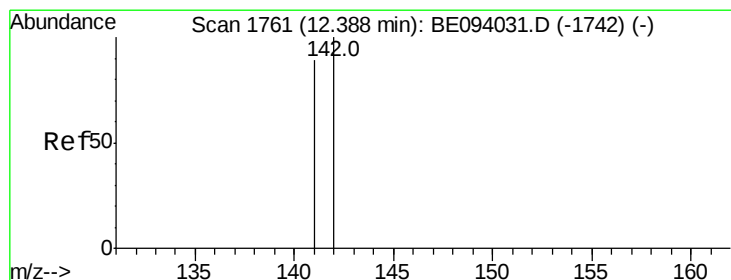
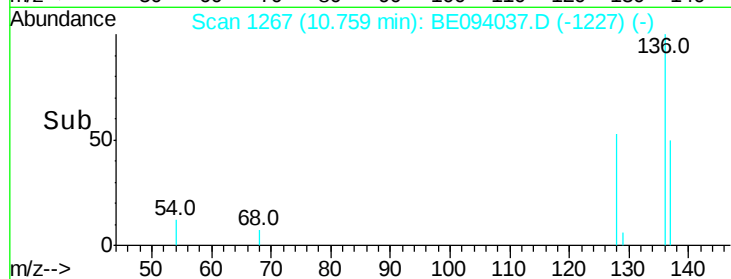
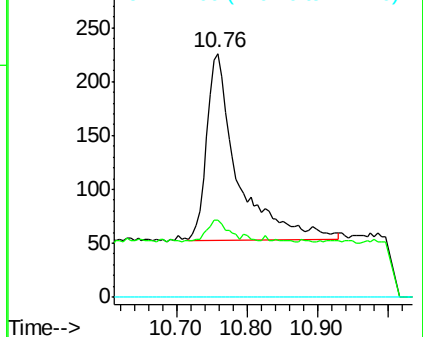
127 0.0 4.0 6.0#



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: 0.025 ng/ul

RT: 12.41 min Scan# 1768

Delta R.T. 0.02 min

Lab File: BE094037.D

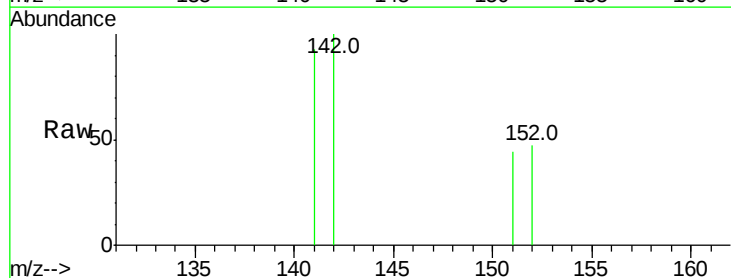
Acq: 20 Sep 2017 18:18

Tgt Ion:142 Resp: 202

Ion Ratio Lower Upper

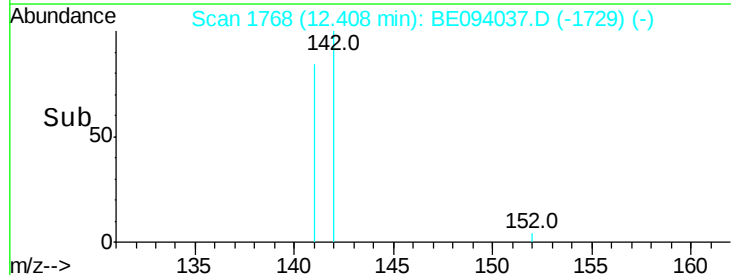
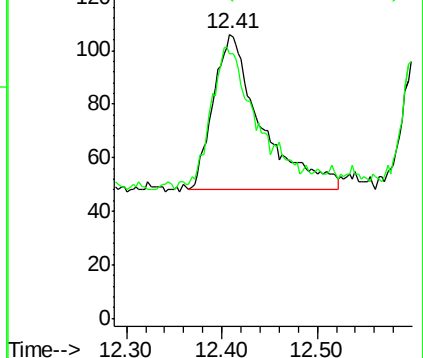
142 100

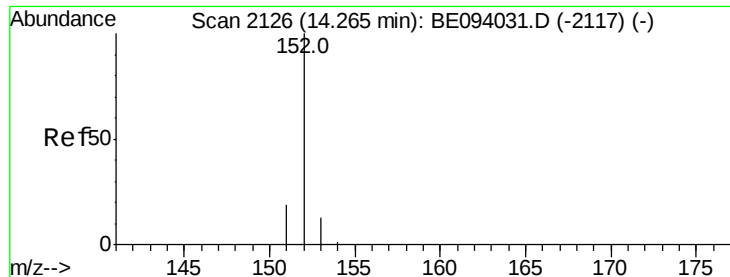
141 87.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.049 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

Instrument :

BNA_E

ClientSampleId :

CB3A6

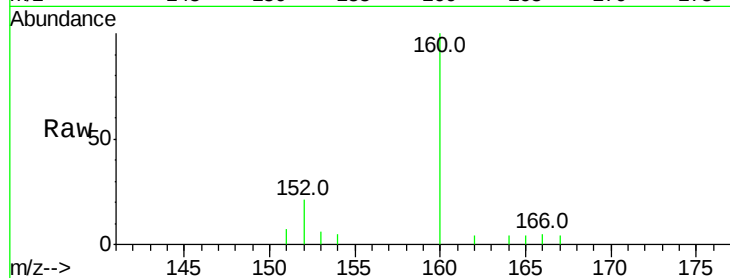
Tot Ion:152 Resp: 604

Ion Ratio Lower Upper

152 100

151 34.2 17.1 25.7#

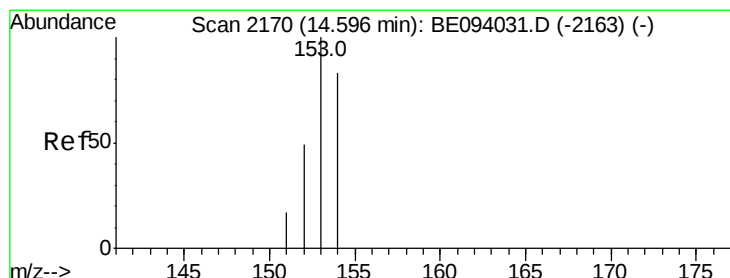
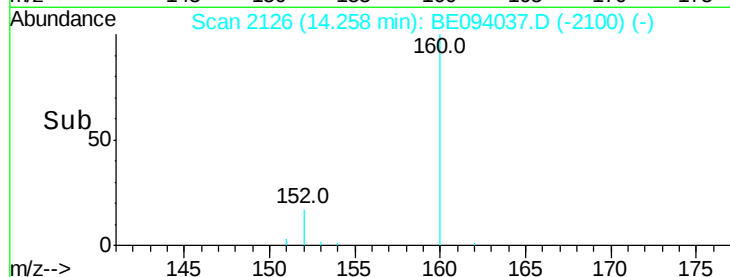
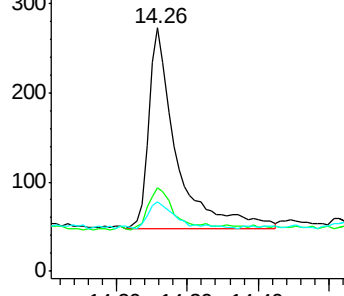
153 28.7 12.8 19.2#



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: 0.063 ng/ul

RT: 14.60 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

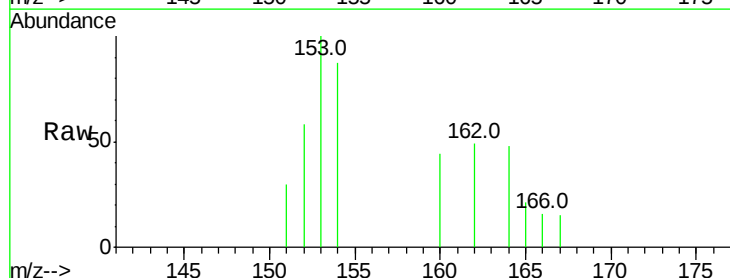
Tgt Ion:153 Resp: 642

Ion Ratio Lower Upper

153 100

152 58.0 40.3 60.5

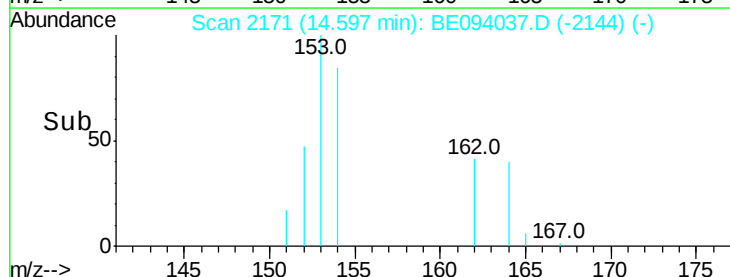
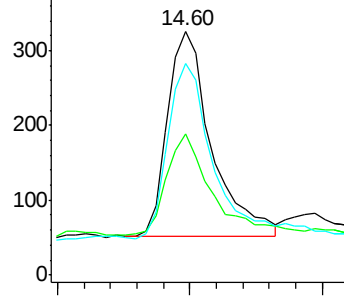
154 86.8 71.4 107.2

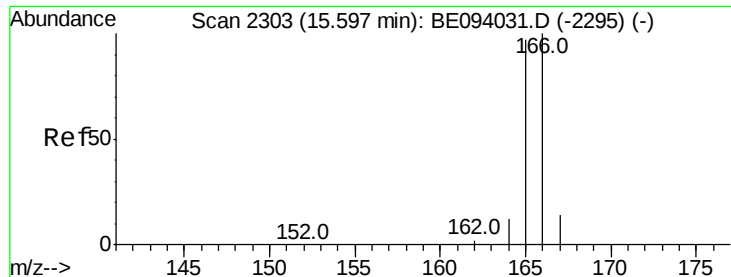


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.061 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

Instrument :

BNA_E

ClientSampled :

CB3A6

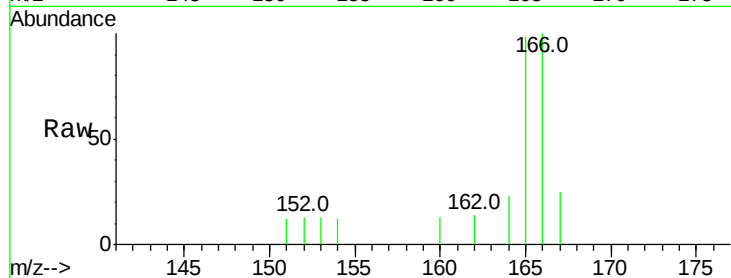
Tot Ion:166 Resp: 725

Ion Ratio Lower Upper

166 100

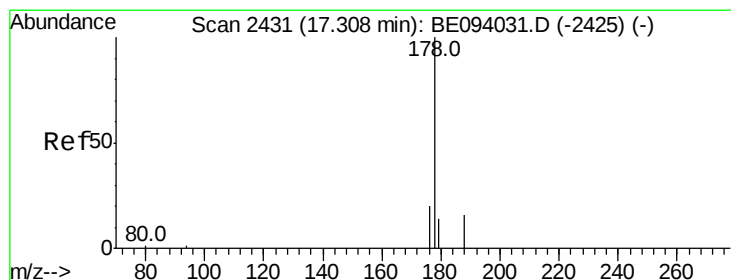
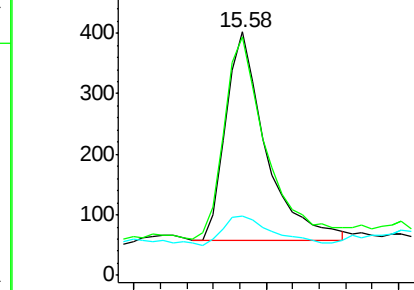
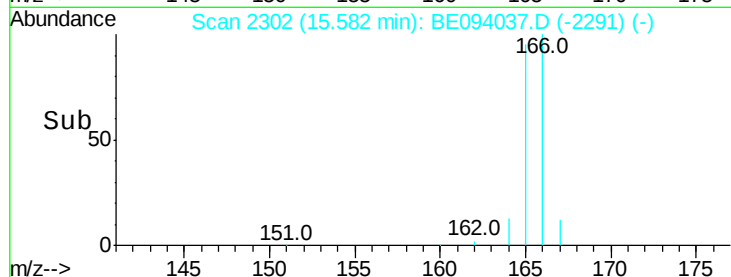
165 98.0 73.4 110.2

167 24.6 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

15.58



#12

Phenanthrene

Concen: 0.882 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

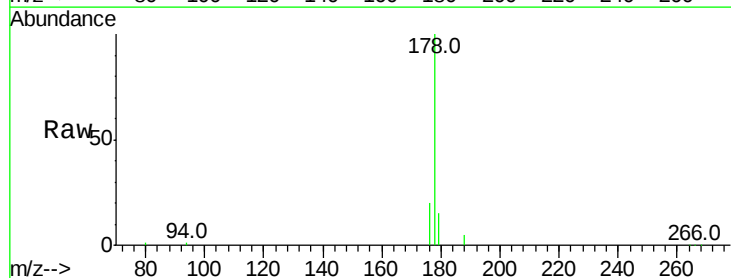
Tgt Ion:178 Resp: 20614

Ion Ratio Lower Upper

178 100

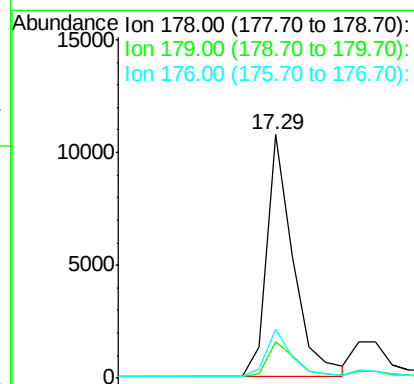
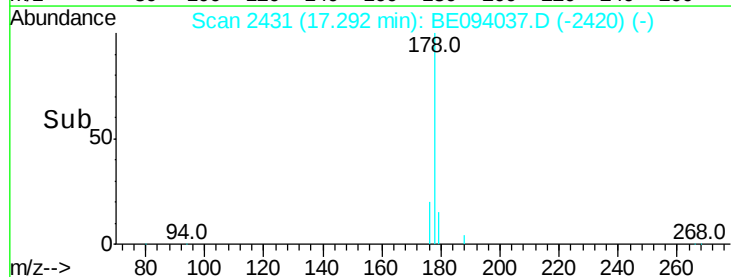
179 15.1 18.4 27.6#

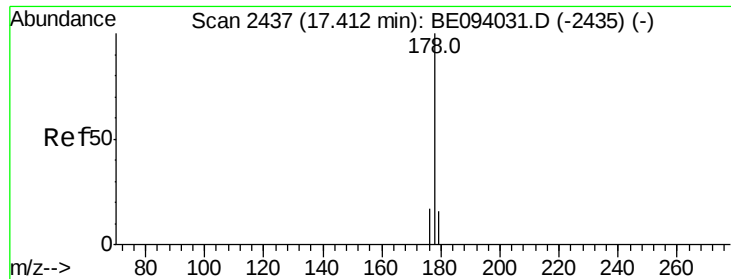
176 20.2 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

17.29





#13

Anthracene

Concen: 0.186 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

Instrument :

BNA_E

ClientSampleId :

CB3A6

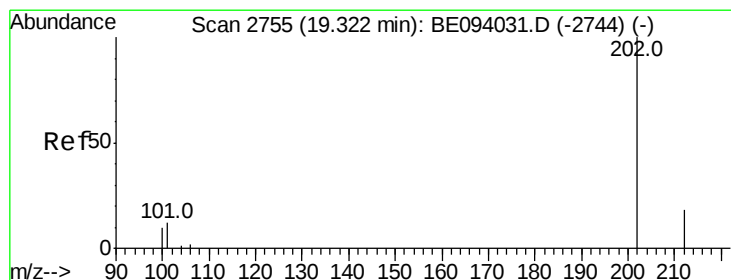
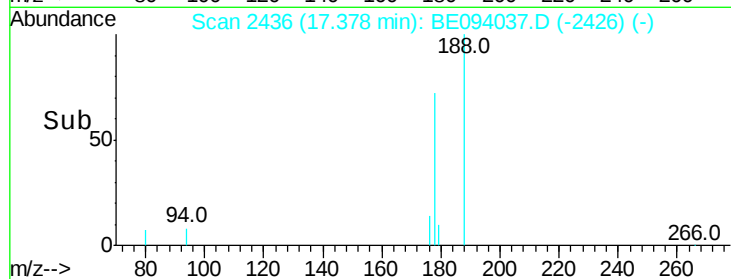
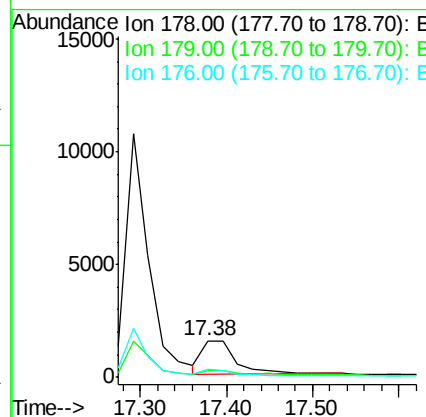
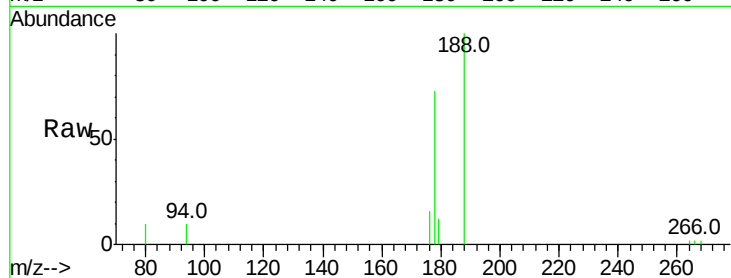
Tot Ion:178 Resp: 4226

Ion Ratio Lower Upper

178 100

179 17.1 18.1 27.1#

176 22.3 14.7 22.1#



#15

Fluoranthene

Concen: 1.509 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

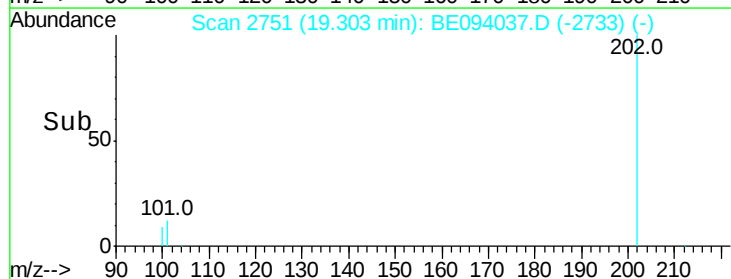
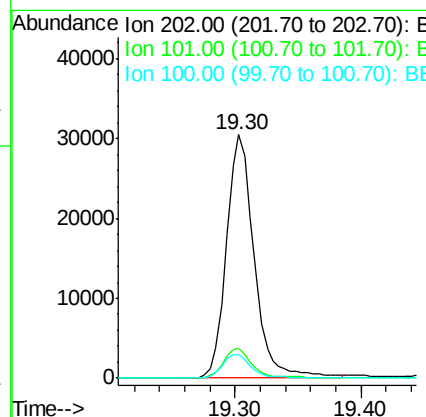
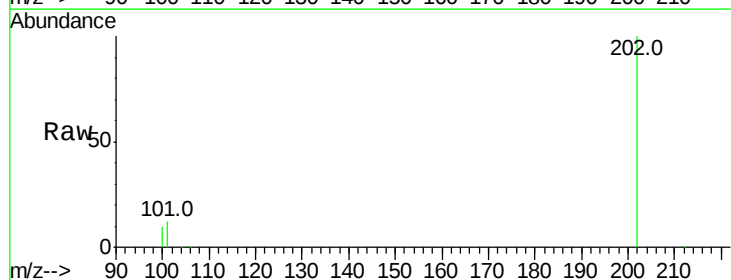
Tgt Ion:202 Resp: 46365

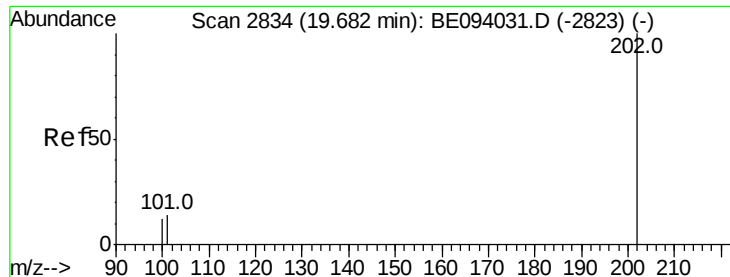
Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

100 9.6 0.0 39.5





#17

Pvrene

Concen: 1.285 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

Instrument :

BNA_E

ClientSampleId :

CB3A6

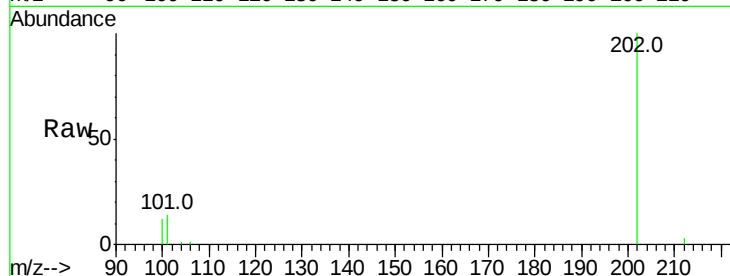
Tot Ion:202 Resp: 43579

Ion Ratio Lower Upper

202 100

101 13.9 18.2 27.4#

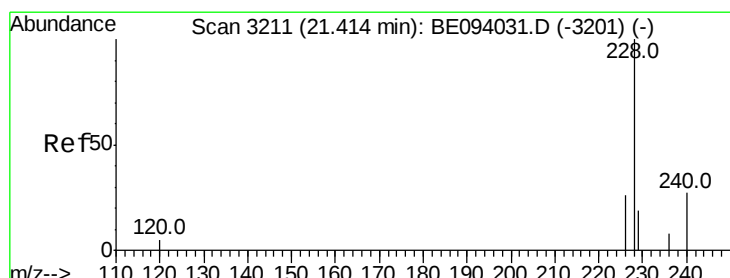
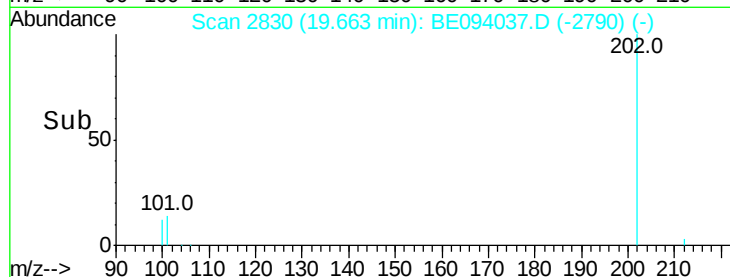
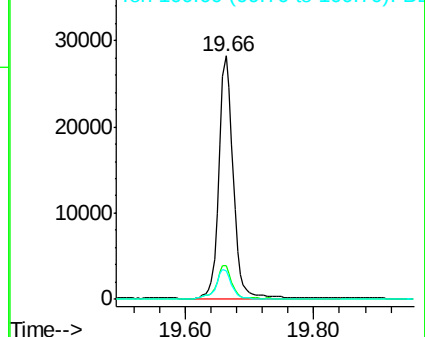
100 11.7 15.6 23.4#



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: 0.726 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

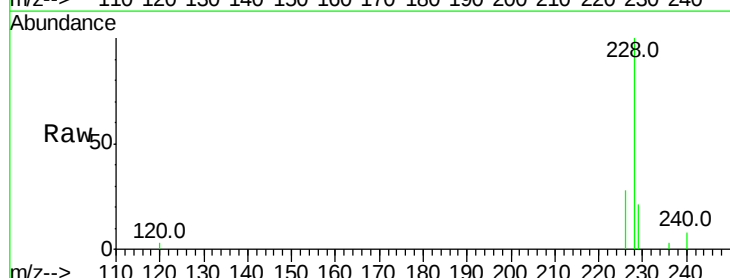
Tgt Ion:228 Resp: 23494

Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

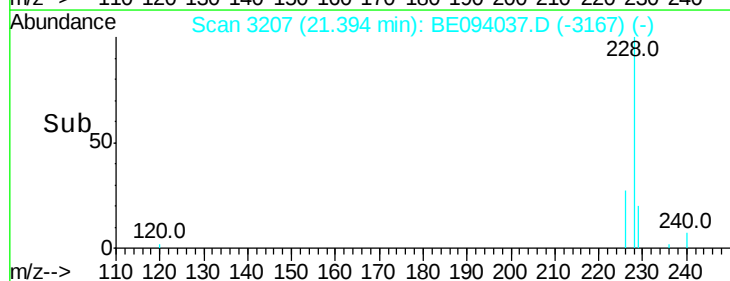
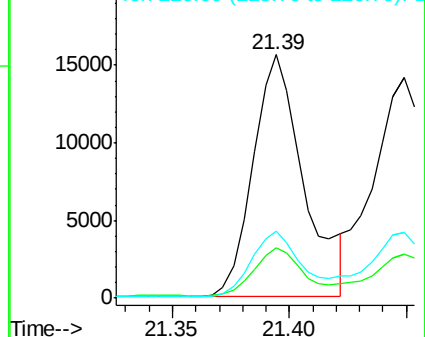
226 27.6 17.0 25.6#

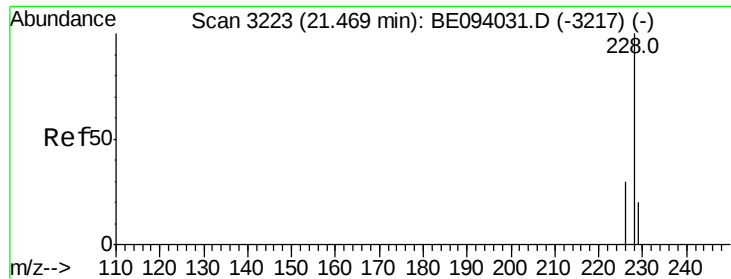


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.644 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

Instrument :

BNA_E

ClientSampleId :

CB3A6

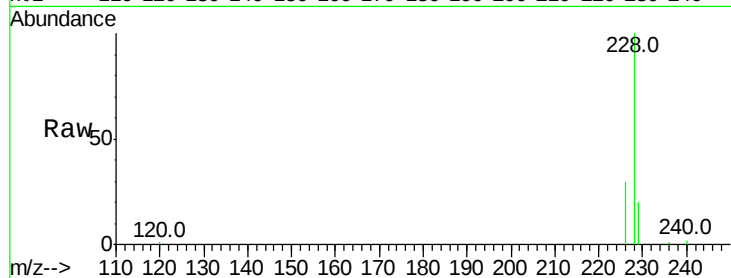
Tot Ion:228 Resp: 24054

Ion Ratio Lower Upper

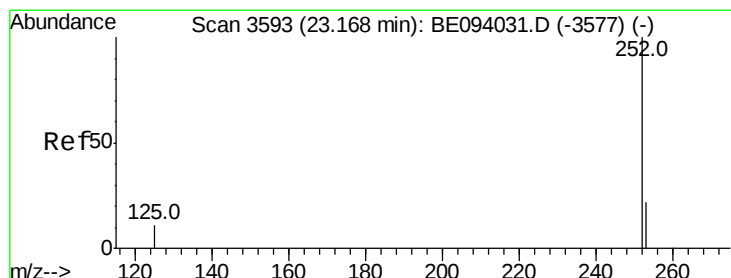
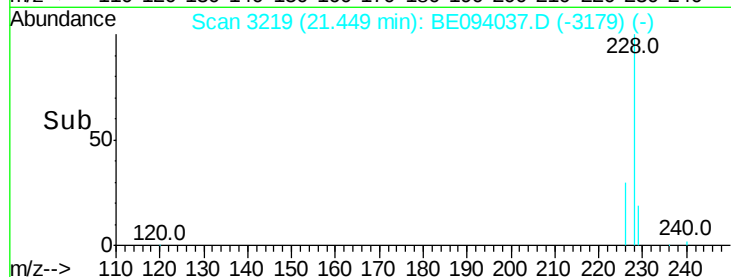
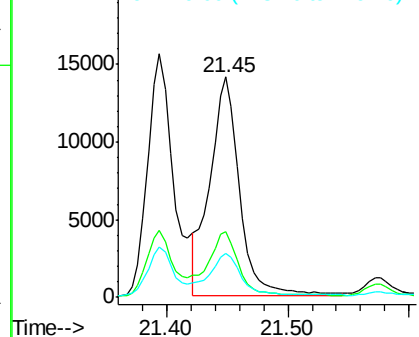
228 100

226 30.1 23.4 35.0

229 19.9 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: 1.326 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.02 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

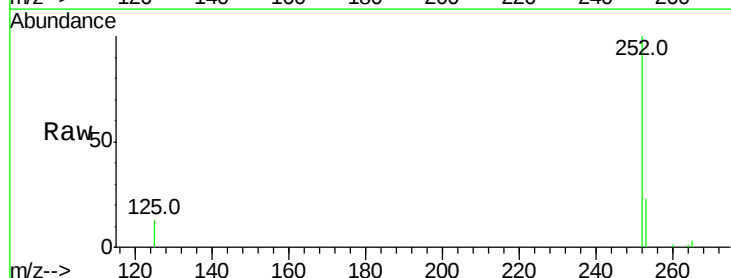
Tgt Ion:252 Resp: 39076

Ion Ratio Lower Upper

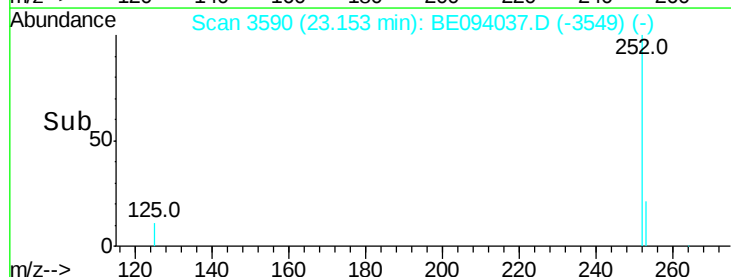
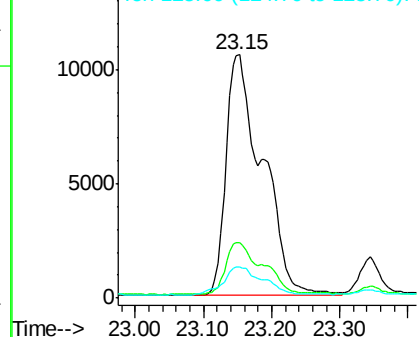
252 100

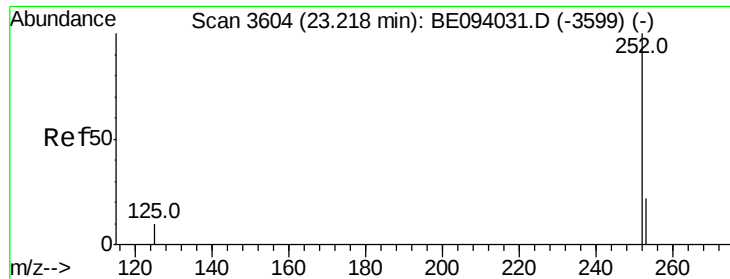
253 22.8 0.0 64.2

125 12.9 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: 1.148 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.07 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

Instrument :

BNA_E

ClientSampleId :

CB3A6

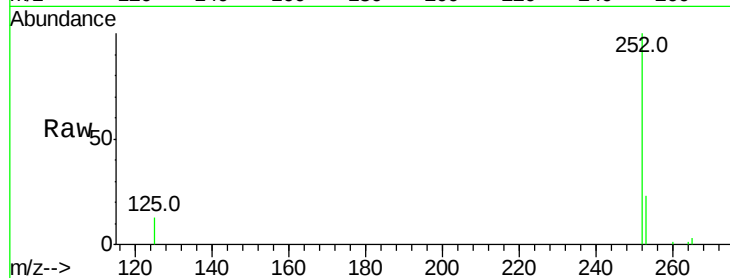
Tot Ion:252 Resp: 39076

Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

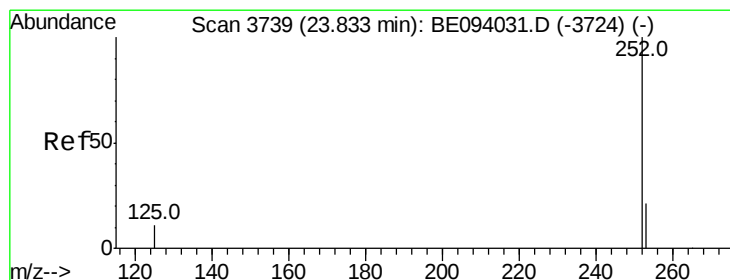
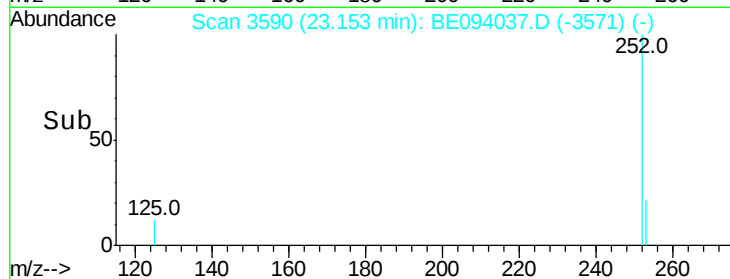
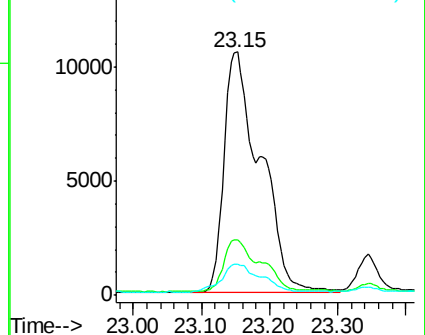
125 12.9 13.7 20.5#



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: 0.621 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.03 min

Lab File: BE094037.D

Acq: 20 Sep 2017 18:18

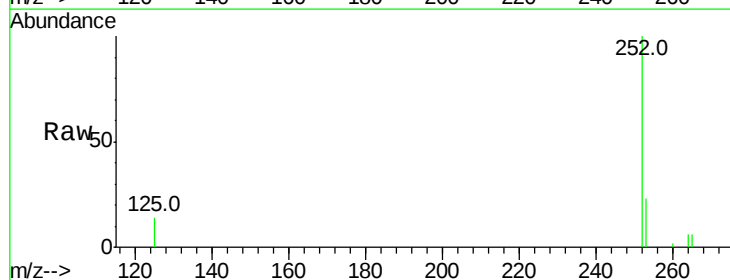
Tgt Ion:252 Resp: 19022

Ion Ratio Lower Upper

252 100

253 23.4 28.5 42.7#

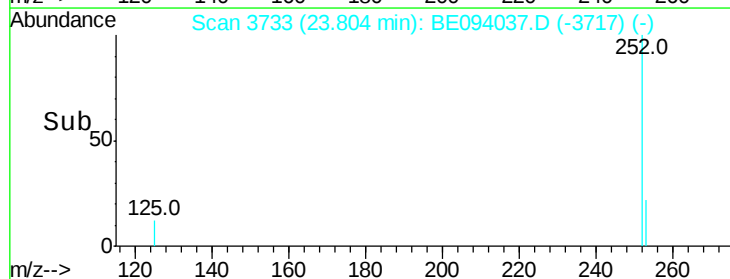
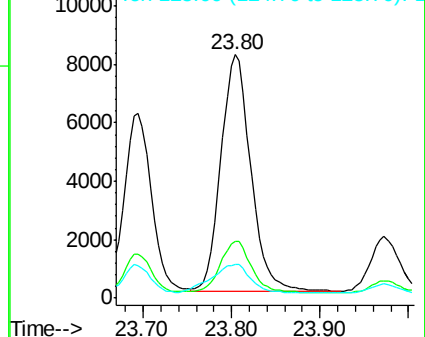
125 13.8 18.1 27.1#

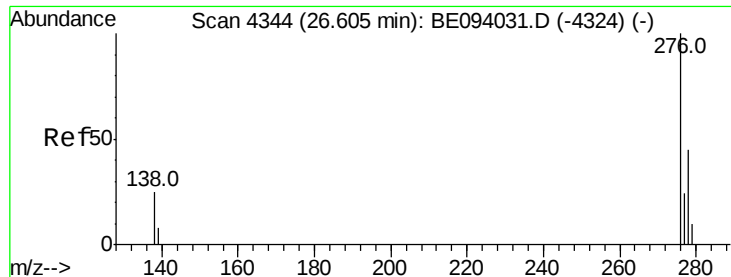


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



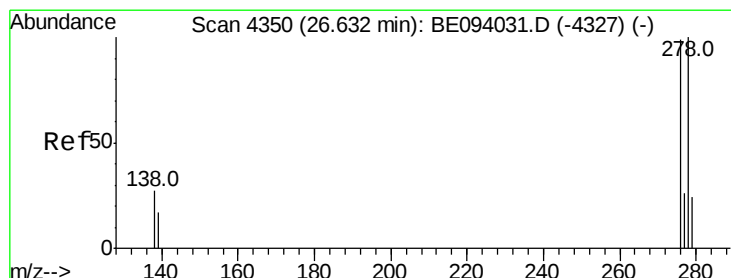
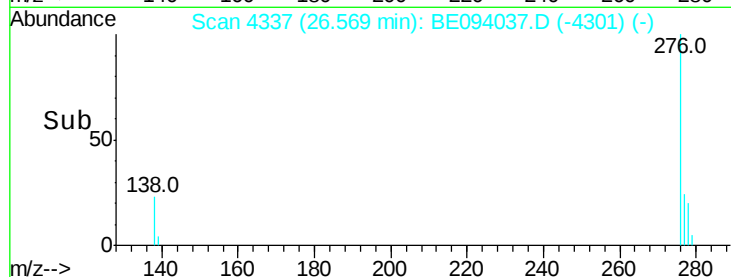
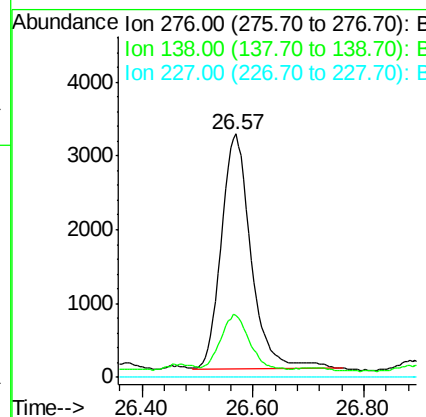
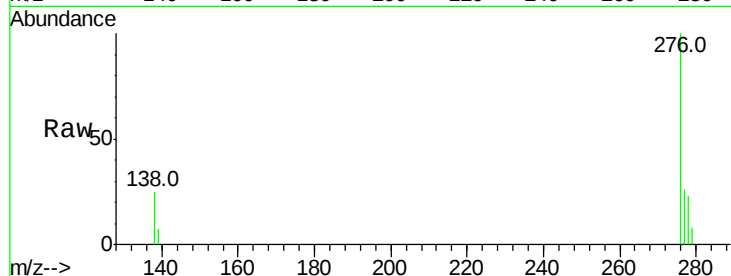


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.375 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.04 min
Lab File: BE094037.D
Acq: 20 Sep 2017 18:18

Instrument :
BNA_E
ClientSampleId :
CB3A6

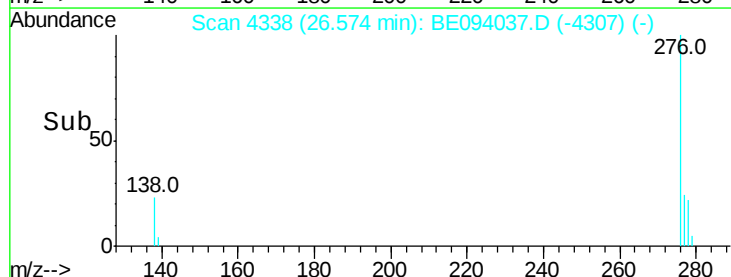
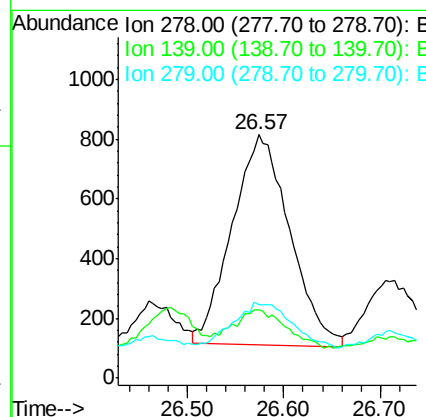
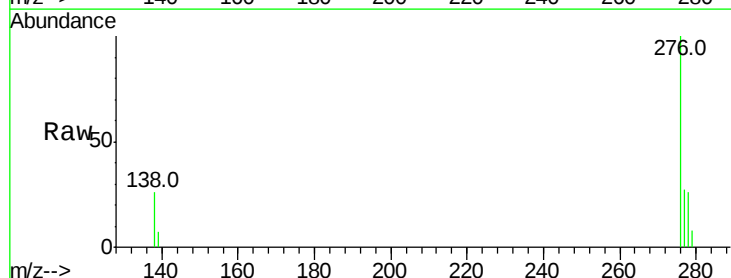
Tot Ion:276 Resp: 11733
Ion Ratio Lower Upper
276 100
138 23.2 28.0 42.0#
227 0.0 8.0 12.0#

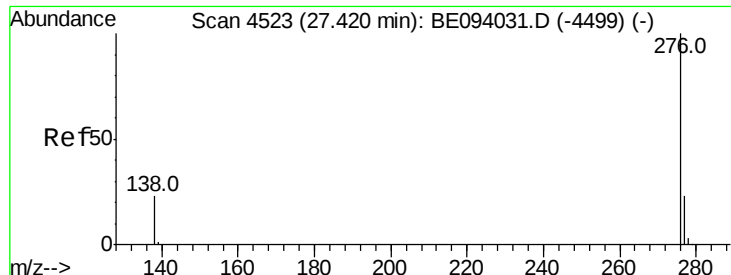


#25

Dibenzo(a,h)anthracene
Concen: 0.111 ng/ul
RT: 26.57 min Scan# 4338
Delta R.T. -0.06 min
Lab File: BE094037.D
Acq: 20 Sep 2017 18:18

Tgt Ion:278 Resp: 2923
Ion Ratio Lower Upper
278 100
139 28.0 17.4 26.0#
279 30.1 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.404 ng/ul

RT: 27.39 min Scan# 4517

Delta R.T. -0.03 min

Lab File: BE094037.D

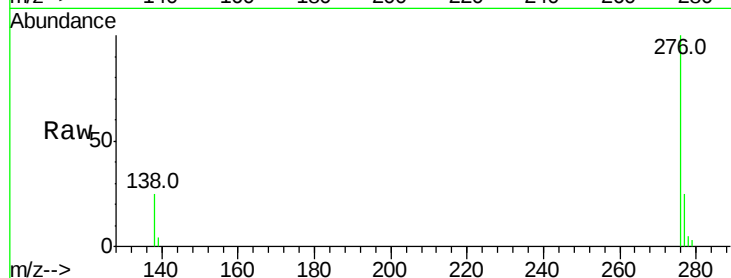
Acq: 20 Sep 2017 18:18

Instrument :

BNA_E

ClientSampleId :

CB3A6



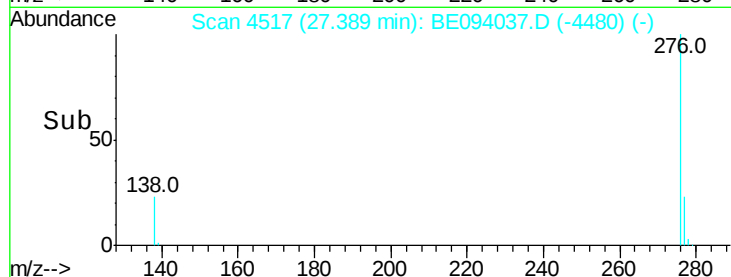
Tot Ion:276 Resp: 10907

Ion Ratio Lower Upper

276 100

138 24.9 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

