

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094373.D
 Acq On : 15 Oct 2017 2:08
 Operator : SJ/JU
 Sample : I5548-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 05:09:25 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 05:09:03 2017
 Response via : Initial Calibration

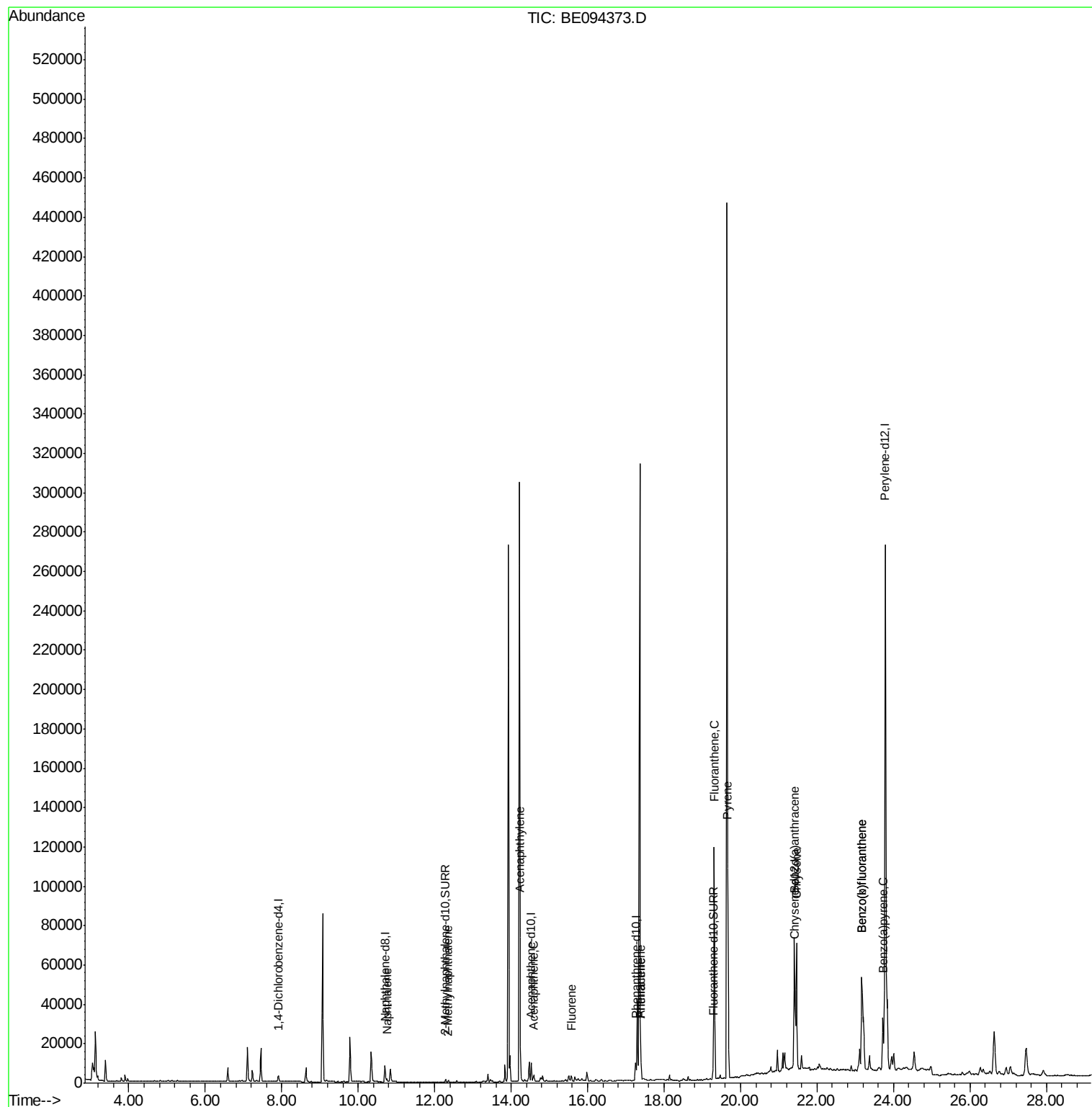
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1616	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	8847	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5145	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11122	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	10419	0.40	ng/ul	0.00
20) Perylene-d12	23.79	264	371927	0.40	ng/ul	-0.16
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	2462	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	5745	0.15	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	1302	0.060	ng/ul#	80
5) 2-Methylnaphthalene	12.36	142	1047	0.074	ng/ul	95
7) Acenaphthylene	14.24	152	2157	0.108	ng/ul#	91
8) Acenaphthene	14.59	153	1273	0.077	ng/ul	96
9) Fluorene	15.57	166	1798	0.093	ng/ul	88
12) Phenanthrene	17.40	178	11310	0.389	ng/ul	97
13) Anthracene	17.40	178	11871	0.420	ng/ul	96
15) Fluoranthene	19.31	202	132345	3.466	ng/ul	84
17) Pyrene	19.67	202	109841	3.789	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	60159	2.176	ng/ul#	89
19) Chrysene	21.46	228	67418	2.112	ng/ul	95
21) Benzo(b)fluoranthene	23.17	252	75503	0.075	ng/ul	91
22) Benzo(k)fluoranthene	23.17	252	75503	0.065	ng/ul	93
23) Benzo(a)pyrene	23.72	252	42830	0.041	ng/ul#	90

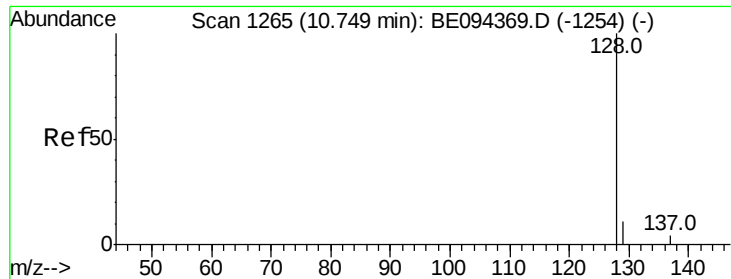
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.060 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

Instrument :

BNA_E

ClientSampleId :

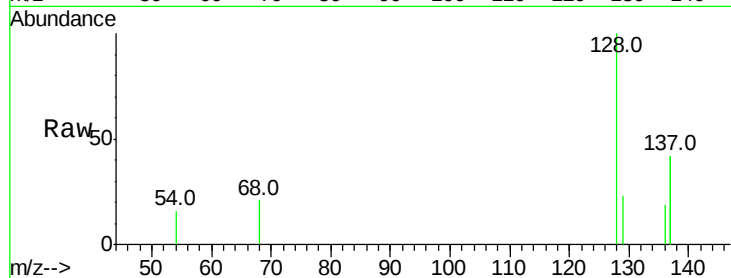
Tot Ion:128 Resp: 1302

Ion Ratio Lower Upper

128 100

129 23.2 11.3 16.9#

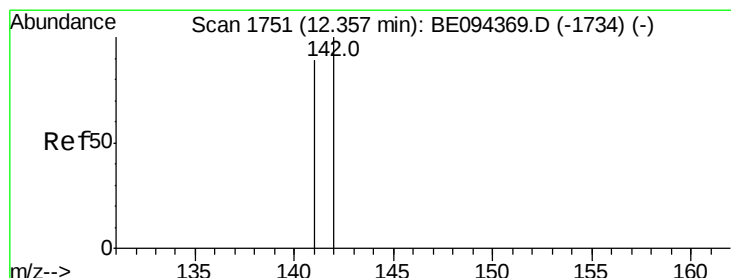
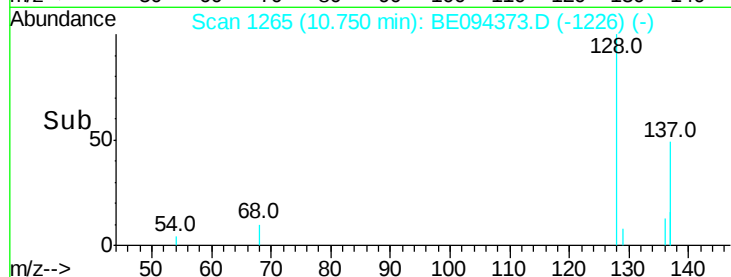
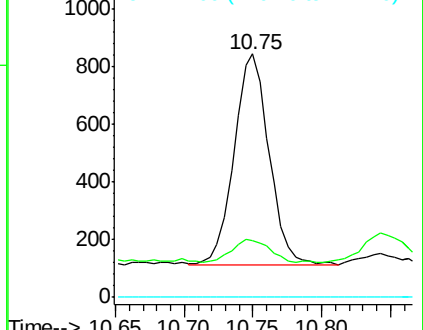
127 0.0 4.0 6.0#



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: 0.074 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE094373.D

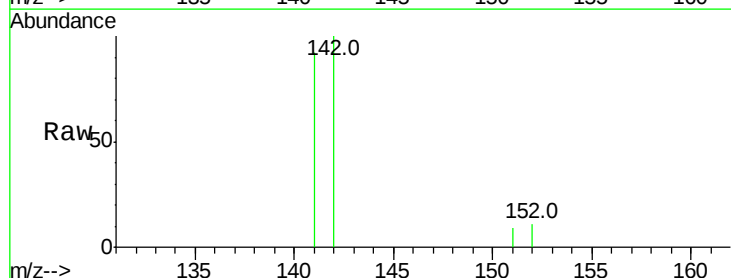
Acq: 15 Oct 2017 2:08

Tgt Ion:142 Resp: 1047

Ion Ratio Lower Upper

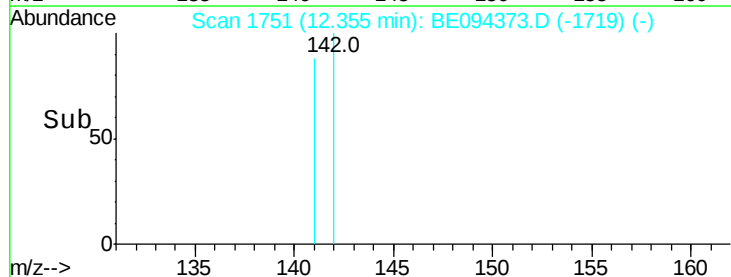
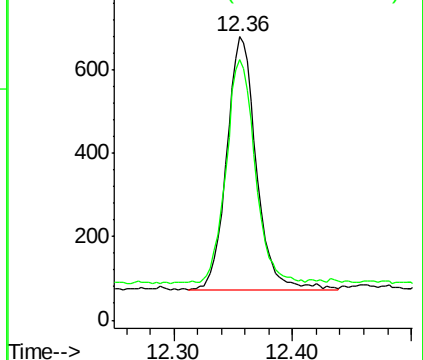
142 100

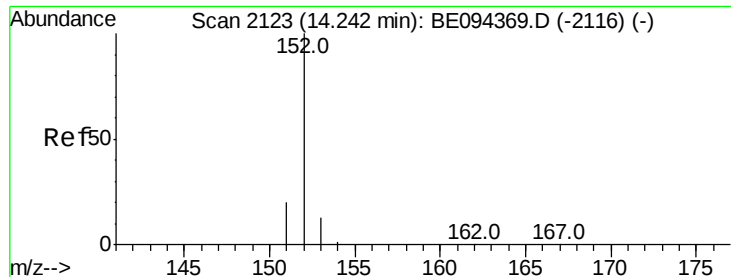
141 86.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.108 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

Instrument :

BNA_E

ClientSampleId :

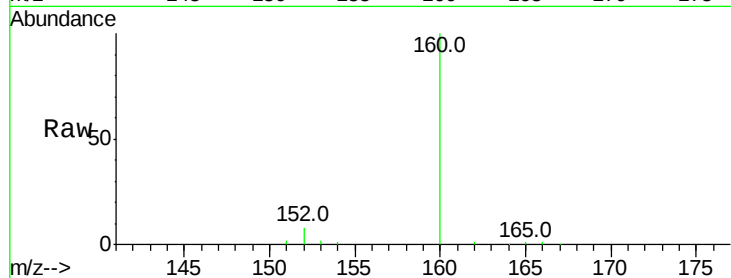
Tot Ion:152 Resp: 2157

Ion Ratio Lower Upper

152 100

151 25.9 17.1 25.7#

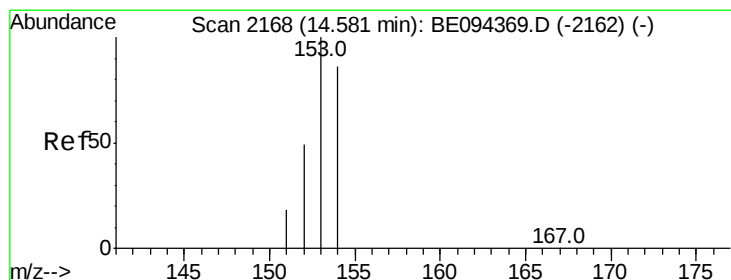
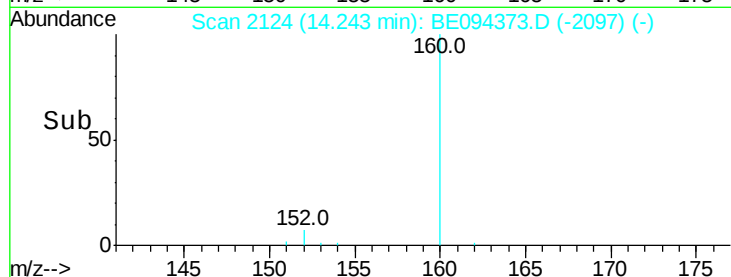
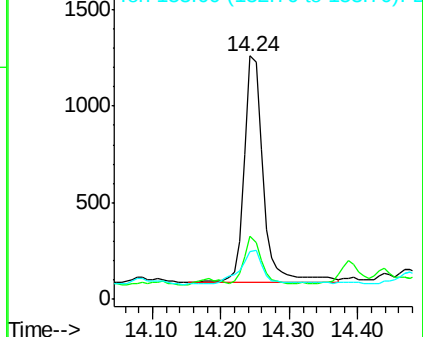
153 19.4 12.8 19.2#



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: 0.077 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

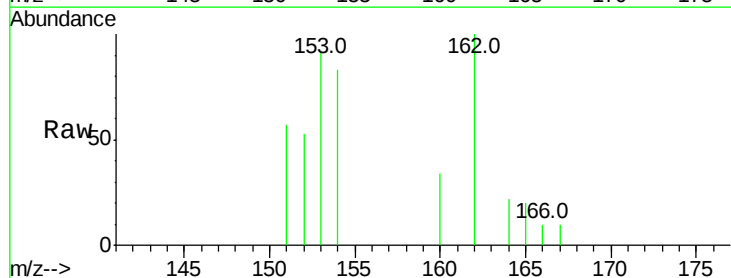
Tgt Ion:153 Resp: 1273

Ion Ratio Lower Upper

153 100

152 57.6 40.3 60.5

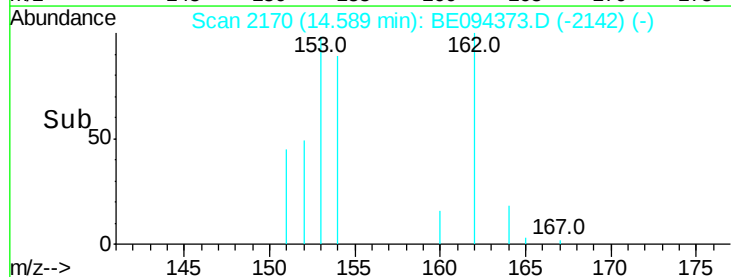
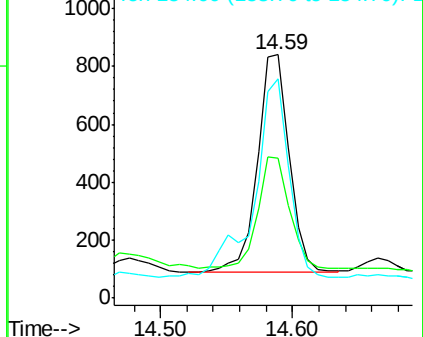
154 90.1 71.4 107.2

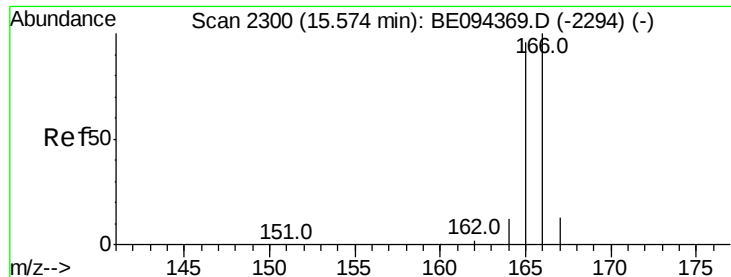


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.093 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. 0.00 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

Instrument :

BNA_E

ClientSampleId :

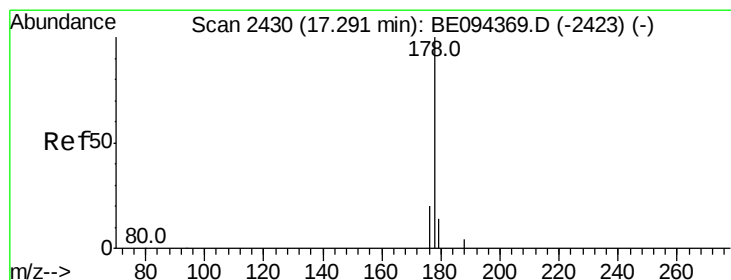
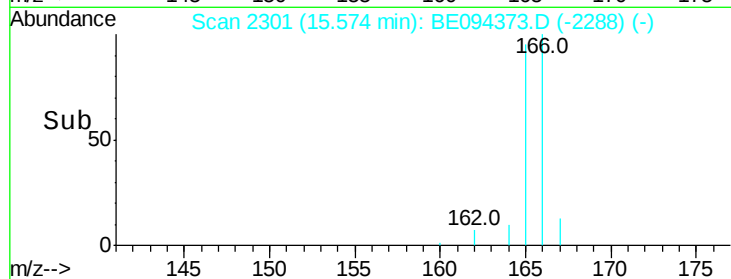
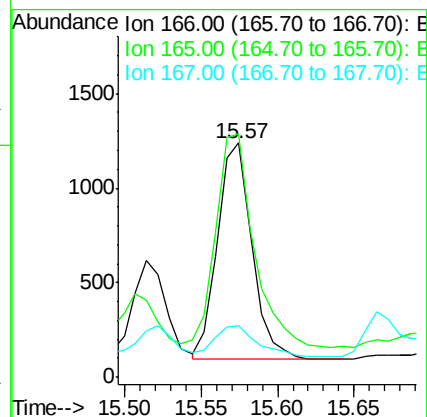
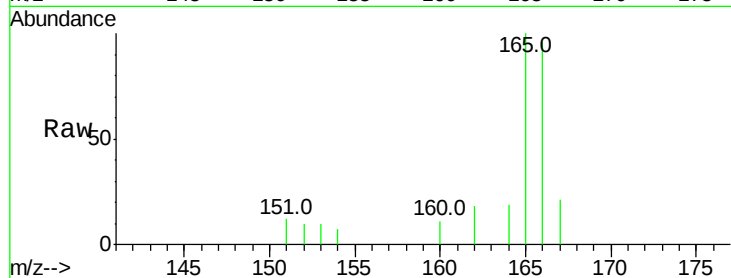
Tot Ion:166 Resp: 1798

Ion Ratio Lower Upper

166 100

165 103.8 73.4 110.2

167 21.9 14.6 22.0



#12

Phenanthrene

Concen: 0.389 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.10 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

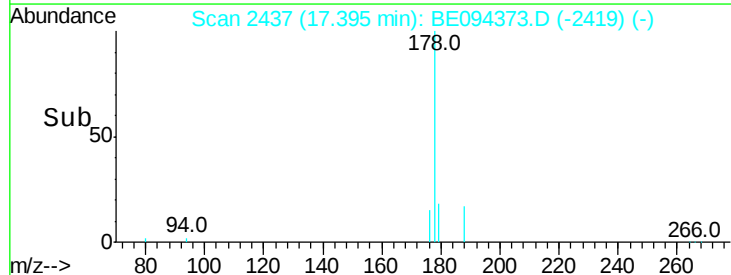
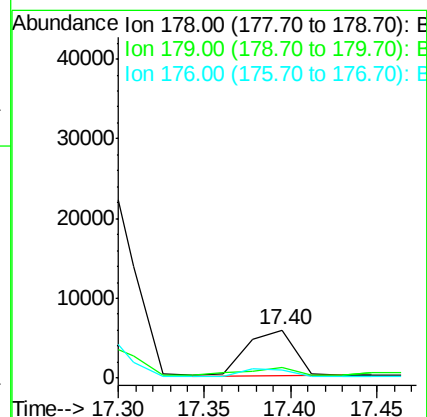
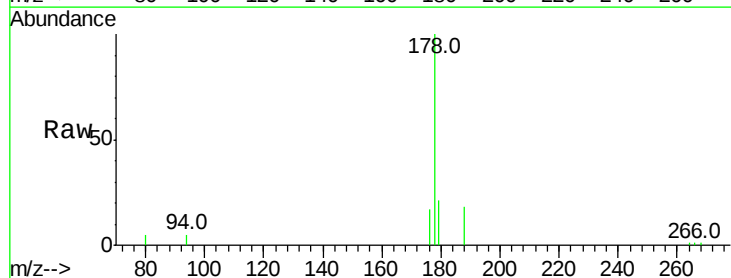
Tgt Ion:178 Resp: 11310

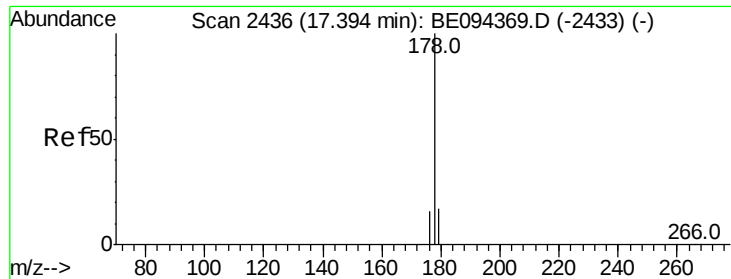
Ion Ratio Lower Upper

178 100

179 20.8 18.4 27.6

176 16.9 13.6 20.4





#13

Anthracene

Concen: 0.420 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

Instrument :

BNA_E

ClientSampleId :

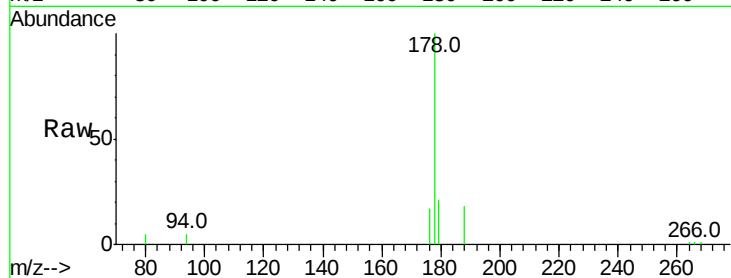
Tot Ion:178 Resp: 11871

Ion Ratio Lower Upper

178 100

179 20.8 18.1 27.1

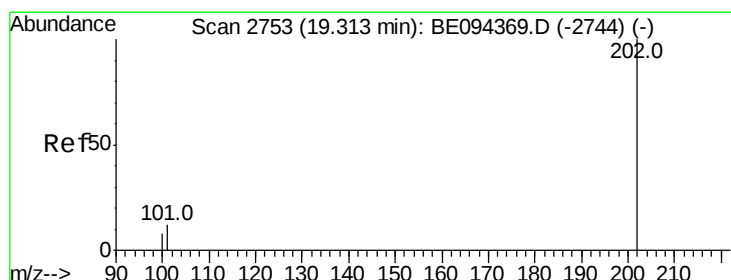
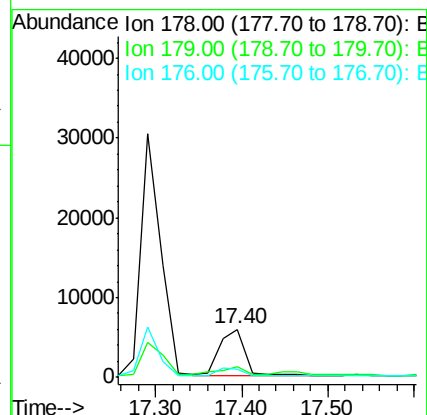
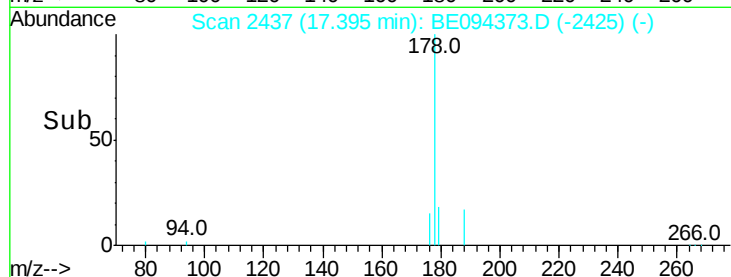
176 16.9 14.7 22.1



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



#15

Fluoranthene

Concen: 3.466 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

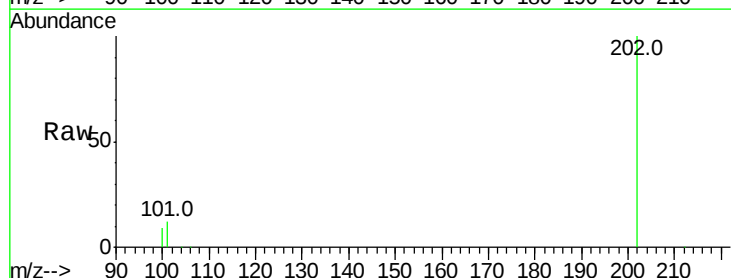
Tgt Ion:202 Resp: 132345

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.3

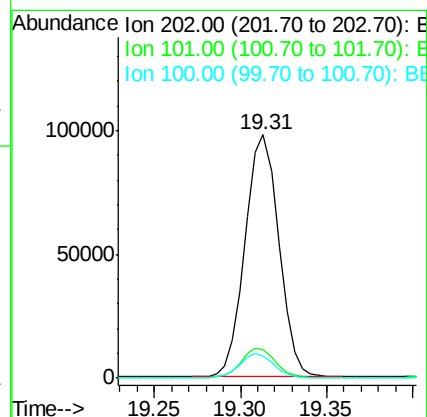
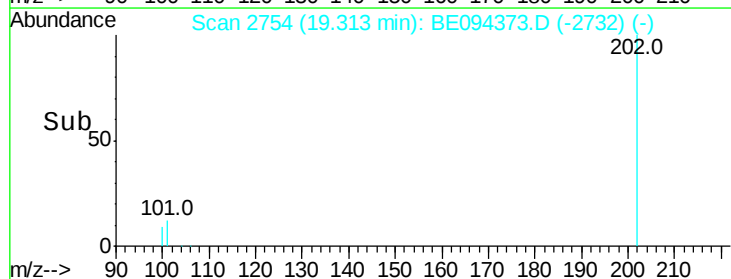
100 9.2 0.0 39.5

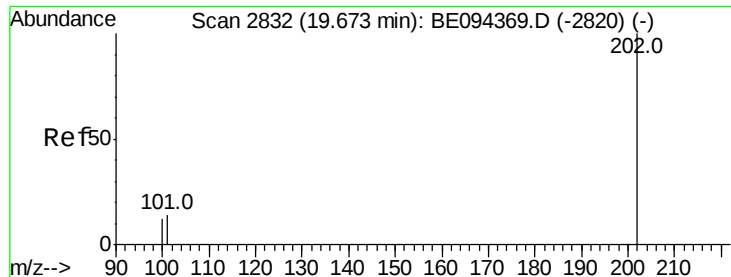


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

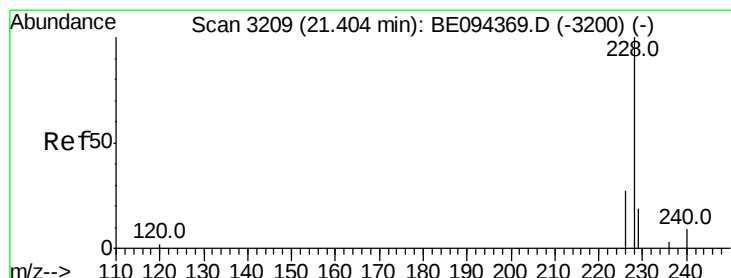
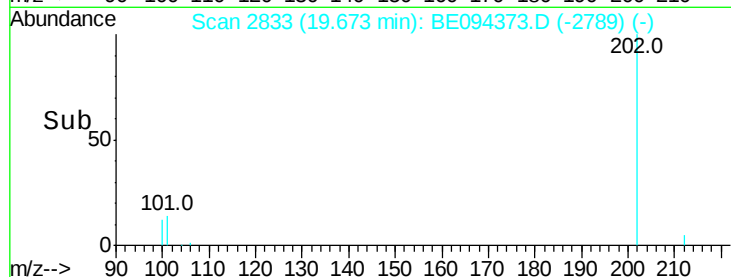
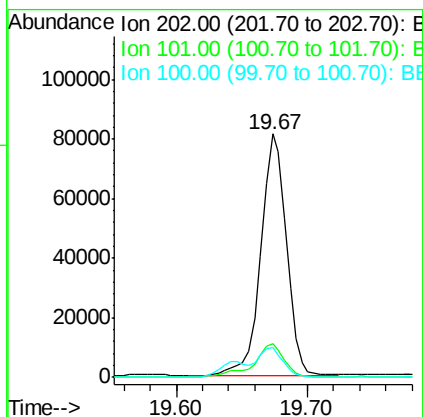
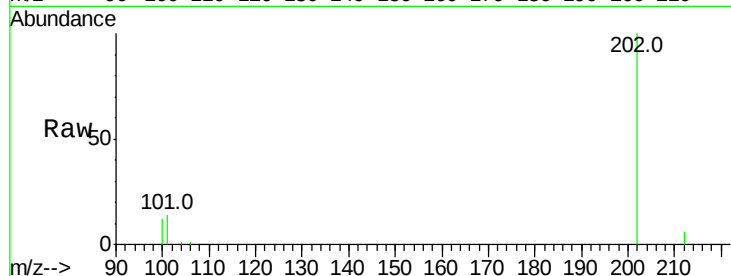




#17
Pvrene
Concen: 3.789 ng/ul
RT: 19.67 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BE094373.D
Acq: 15 Oct 2017 2:08

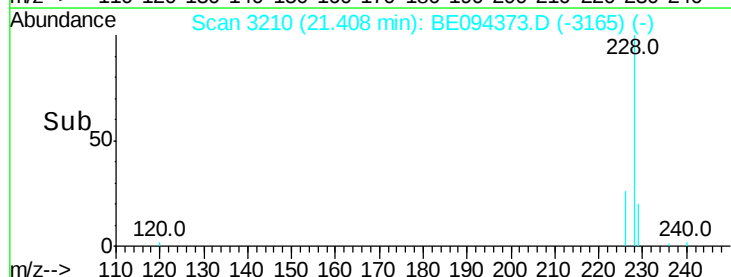
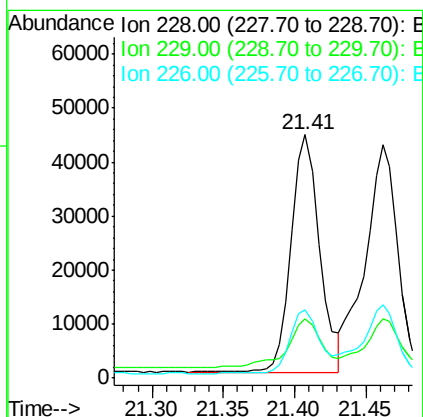
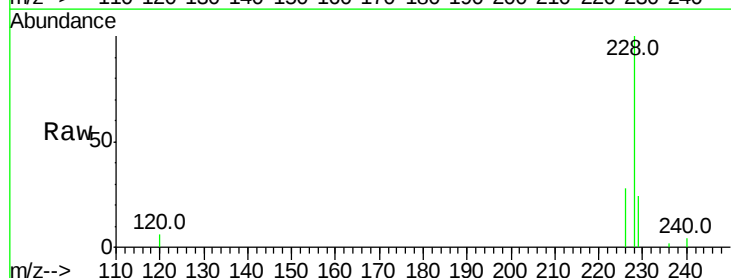
Instrument :
BNA_E
ClientSampleId :

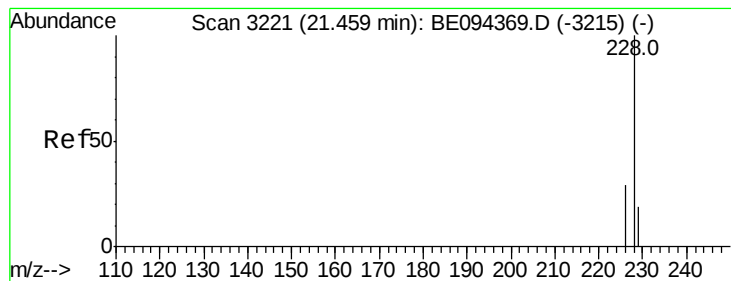
Tot Ion:202 Resp: 109841
Ion Ratio Lower Upper
202 100
101 14.0 18.2 27.4#
100 12.3 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 2.176 ng/ul
RT: 21.41 min Scan# 3210
Delta R.T. 0.00 min
Lab File: BE094373.D
Acq: 15 Oct 2017 2:08

Tgt Ion:228 Resp: 60159
Ion Ratio Lower Upper
228 100
229 24.3 22.8 34.2
226 27.9 17.0 25.6#





#19

Chrysene

Concen: 2.112 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. 0.00 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

Instrument :

BNA_E

ClientSampleId :

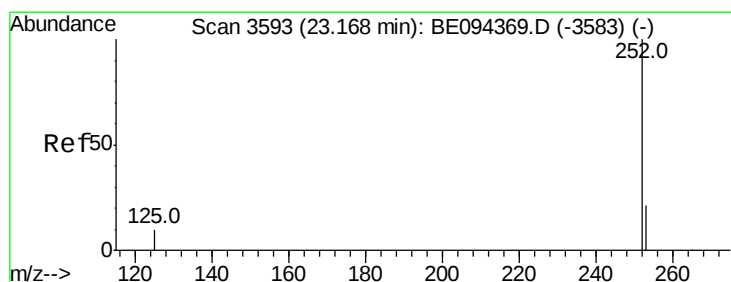
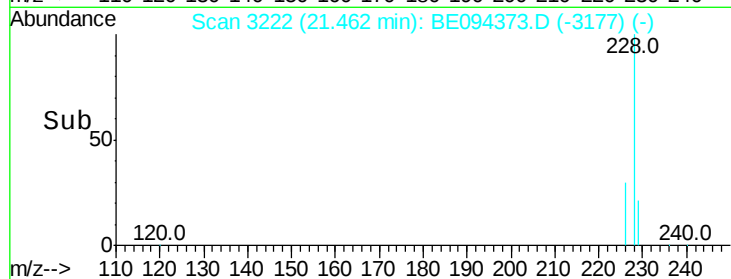
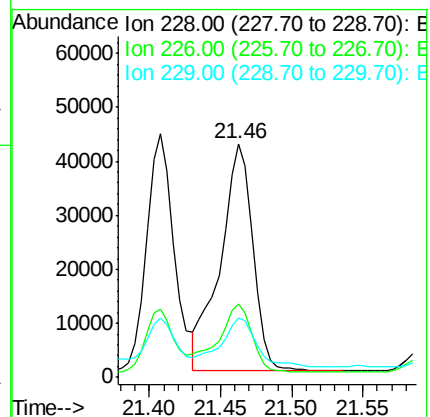
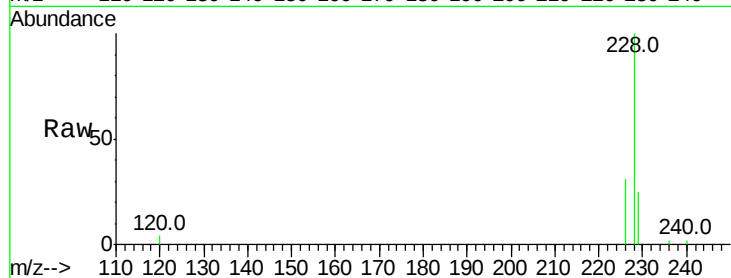
Tot Ion:228 Resp: 67418

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.0

229 25.3 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.075 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. 0.00 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

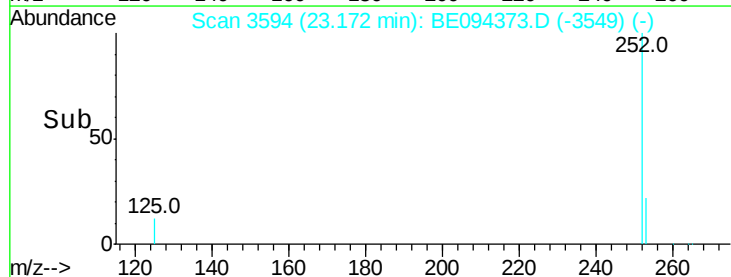
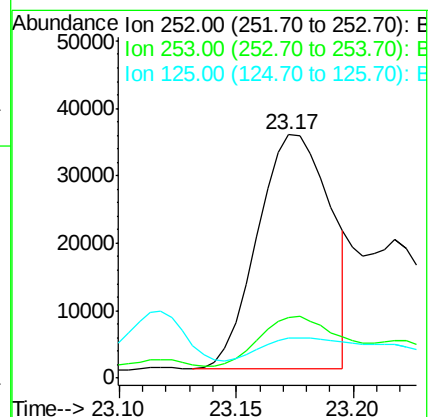
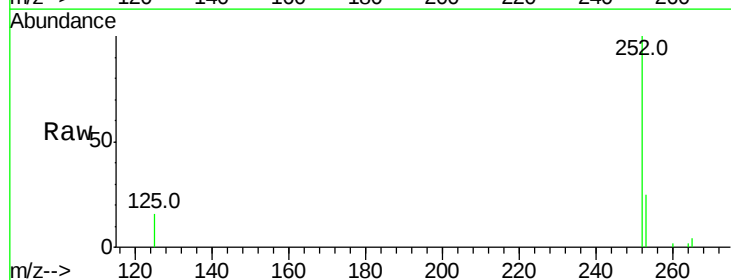
Tgt Ion:252 Resp: 75503

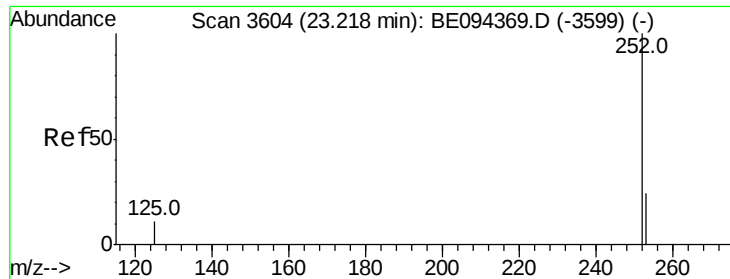
Ion Ratio Lower Upper

252 100

253 25.0 0.0 64.2

125 16.2 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.065 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.05 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

Instrument :

BNA_E

ClientSampleId :

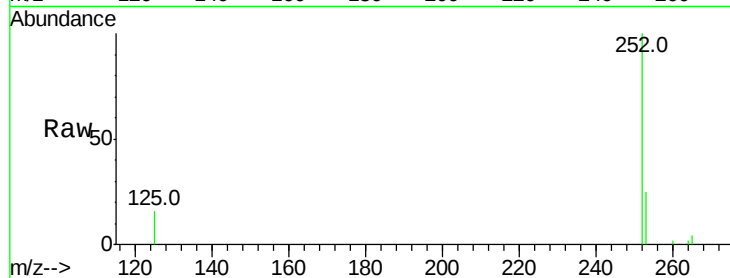
Tot Ion:252 Resp: 75503

Ion Ratio Lower Upper

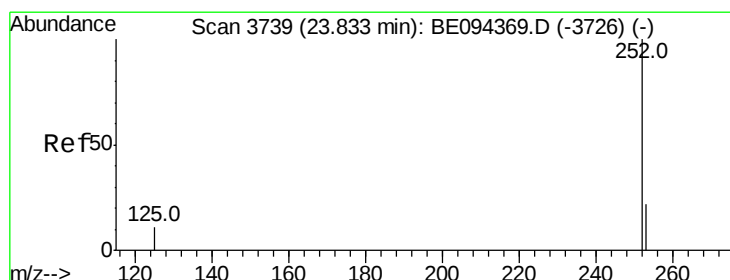
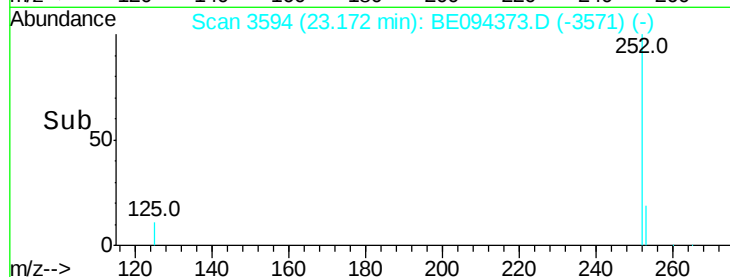
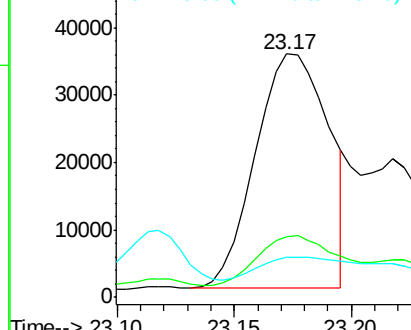
252 100

253 25.0 24.5 36.7

125 16.2 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: 0.041 ng/ul

RT: 23.72 min Scan# 3715

Delta R.T. -0.11 min

Lab File: BE094373.D

Acq: 15 Oct 2017 2:08

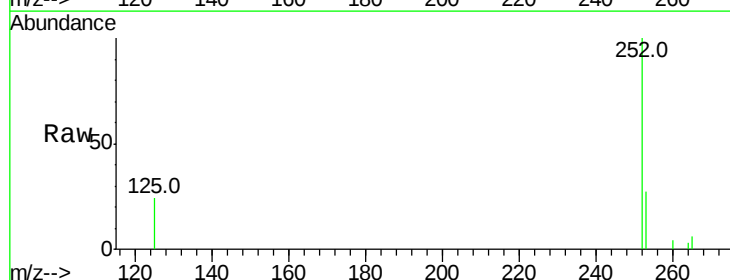
Tgt Ion:252 Resp: 42830

Ion Ratio Lower Upper

252 100

253 26.8 28.5 42.7#

125 23.9 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

