

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094375.D
 Acq On : 15 Oct 2017 3:23
 Operator : SJ/JU
 Sample : I5548-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 05:09:46 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

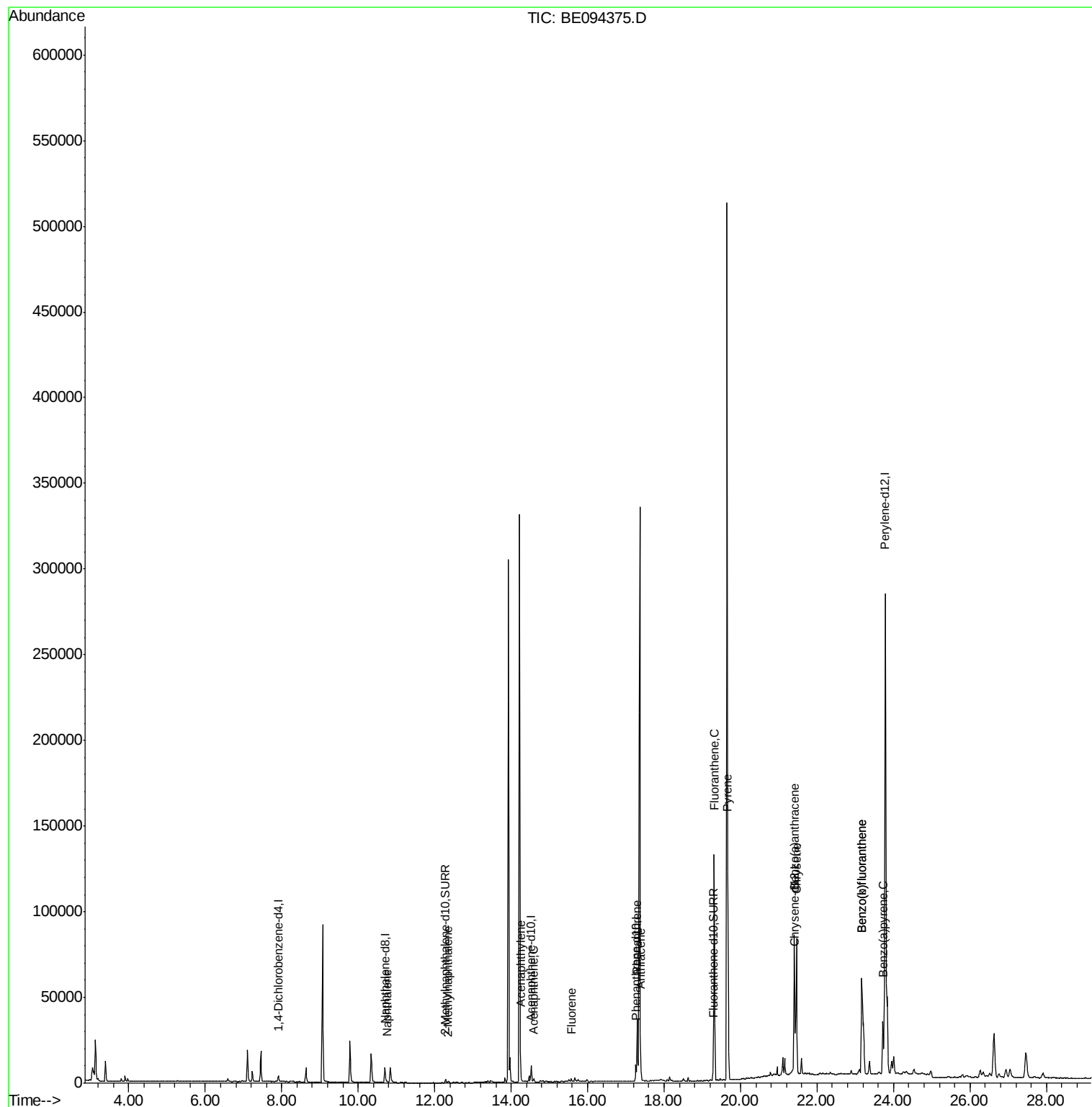
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1641	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	9004	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5372	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11719	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	11228	0.40	ng/ul	0.00
20) Perylene-d12	23.79	264	410985	0.40	ng/ul	-0.16
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	2622	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	6408	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	745	0.034	ng/ul#	67
5) 2-Methylnaphthalene	12.36	142	516	0.036	ng/ul	99
7) Acenaphthylene	14.25	152	890	0.042	ng/ul#	81
8) Acenaphthene	14.59	153	972	0.056	ng/ul	97
9) Fluorene	15.57	166	1070	0.053	ng/ul#	88
12) Phenanthrene	17.29	178	41971	1.371	ng/ul#	87
13) Anthracene	17.38	178	7909	0.266	ng/ul#	90
15) Fluoranthene	19.31	202	147722	3.671	ng/ul	84
17) Pyrene	19.67	202	125906	4.030	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	73424	2.465	ng/ul#	88
19) Chrysene	21.46	228	81486	2.369	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	92826	0.083	ng/ul	88
22) Benzo(k)fluoranthene	23.17	252	92826	0.072	ng/ul#	90
23) Benzo(a)pyrene	23.72	252	49904	0.043	ng/ul#	88

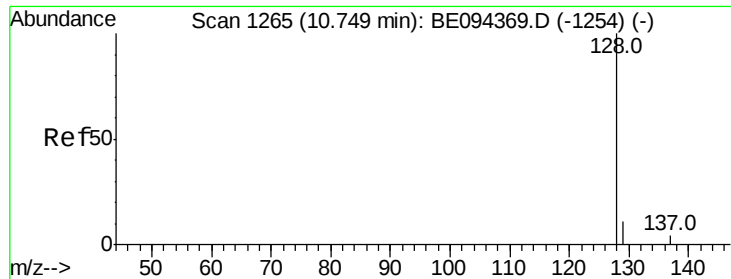
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.034 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE094375.D

Acq: 15 Oct 2017 3:23

Instrument :

BNA_E

ClientSampleId :

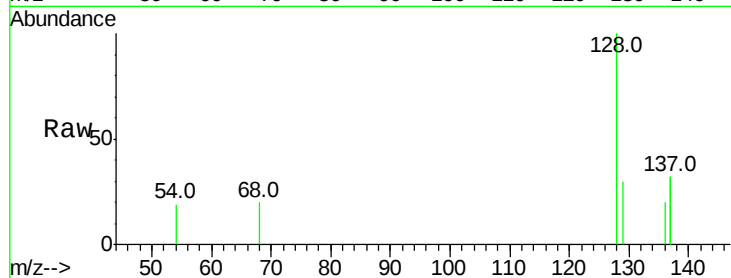
Tot Ion:128 Resp: 745

Ion Ratio Lower Upper

128 100

129 30.4 11.3 16.9#

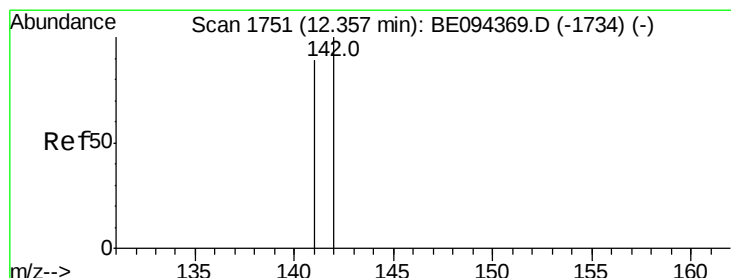
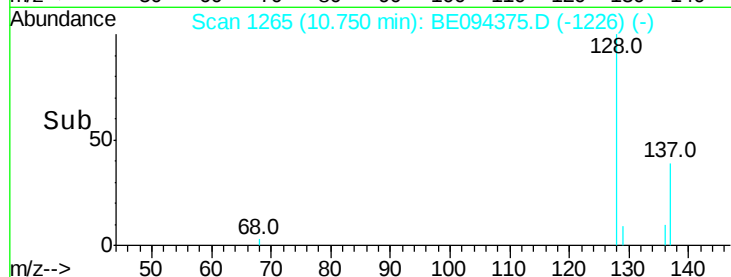
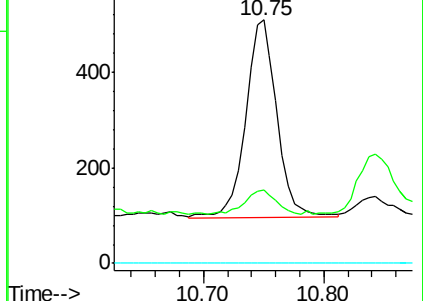
127 0.0 4.0 6.0#



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: 0.036 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE094375.D

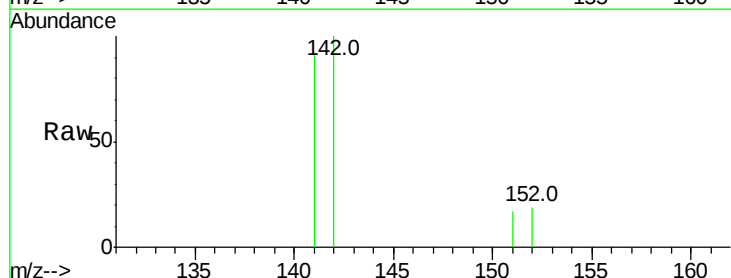
Acq: 15 Oct 2017 3:23

Tgt Ion:142 Resp: 516

Ion Ratio Lower Upper

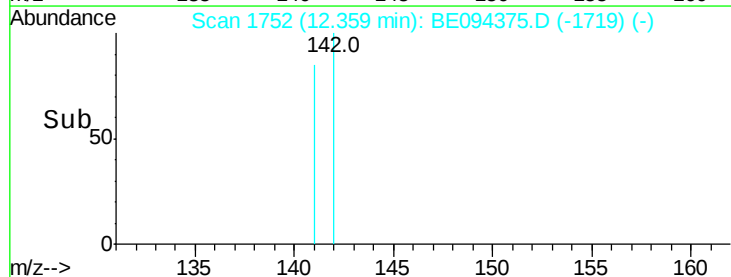
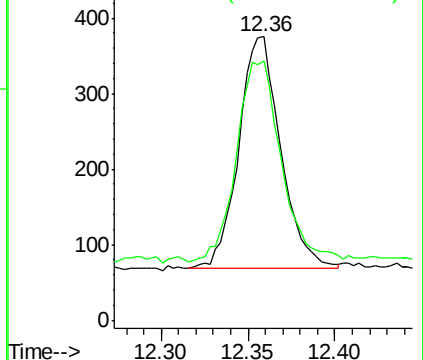
142 100

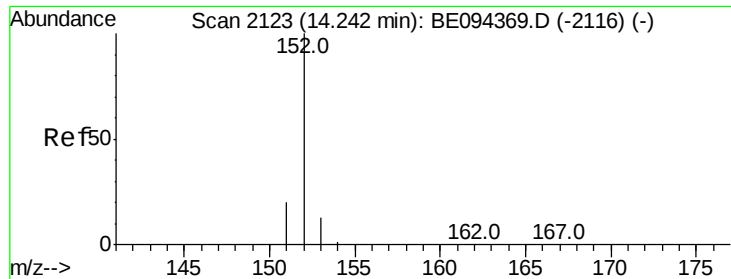
141 91.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.042 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE094375.D

Acq: 15 Oct 2017 3:23

Instrument :

BNA_E

ClientSampleId :

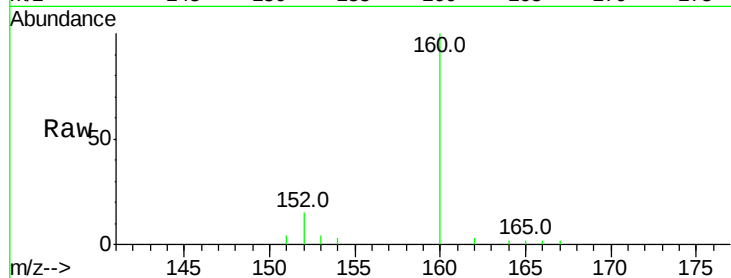
Tot Ion:152 Resp: 890

Ion Ratio Lower Upper

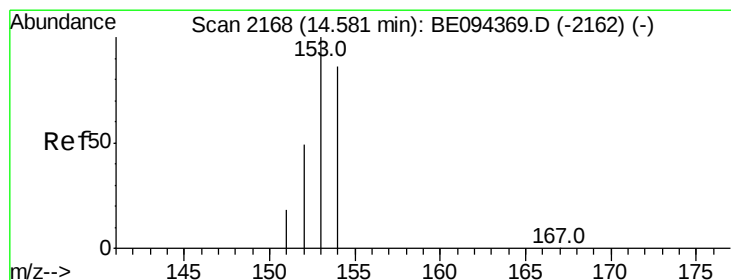
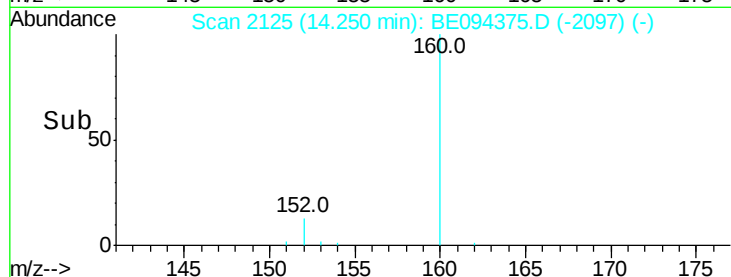
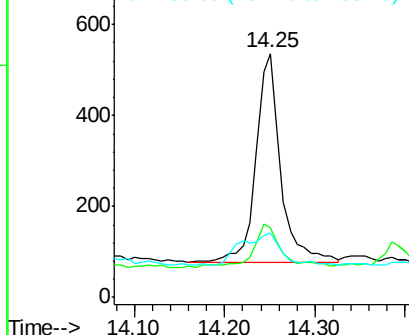
152 100

151 28.4 17.1 25.7#

153 26.3 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: 0.056 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094375.D

Acq: 15 Oct 2017 3:23

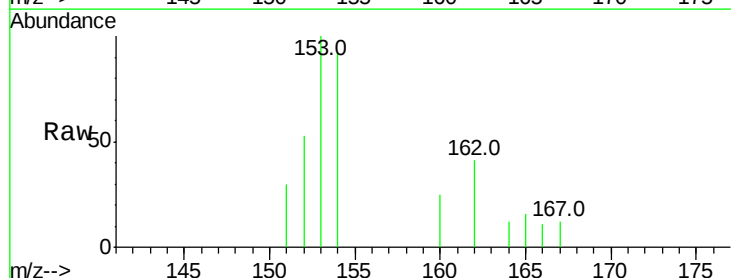
Tgt Ion:153 Resp: 972

Ion Ratio Lower Upper

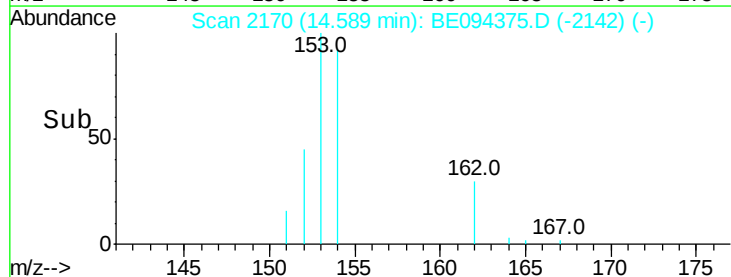
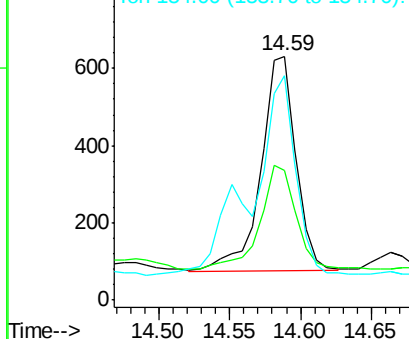
153 100

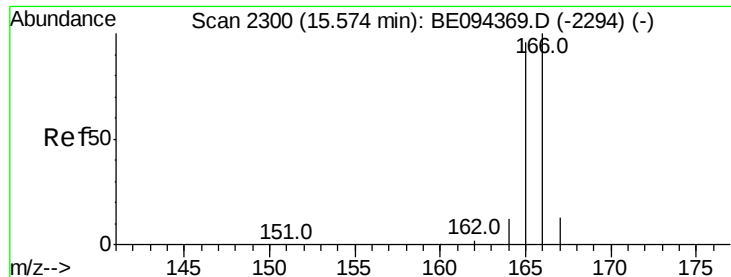
152 53.1 40.3 60.5

154 92.2 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

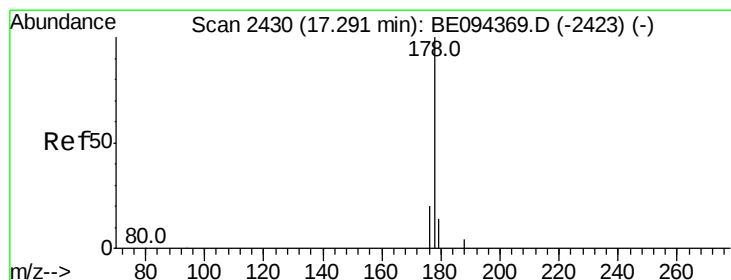
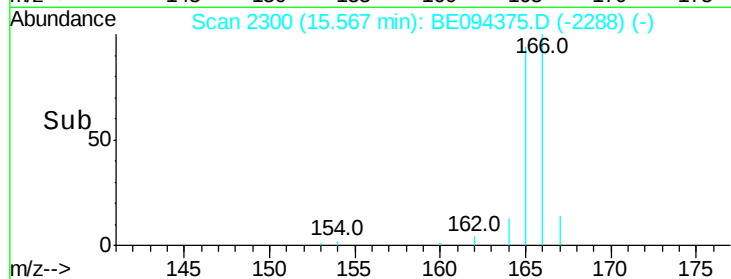
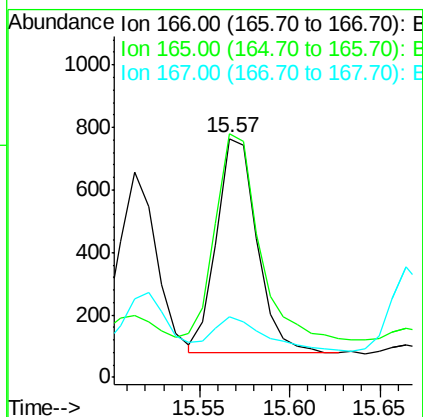
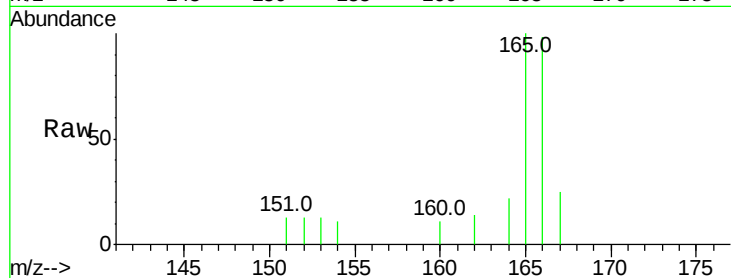




#9
Fluorene
 Concen: 0.053 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094375.D
 Acq: 15 Oct 2017 3:23

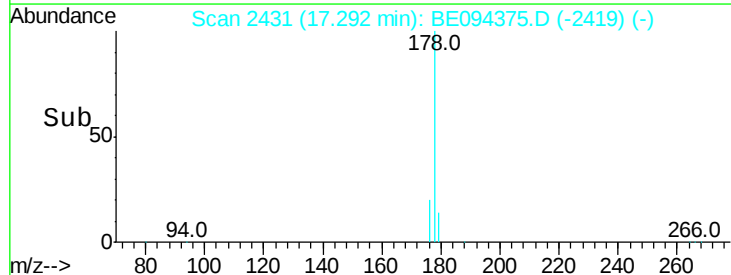
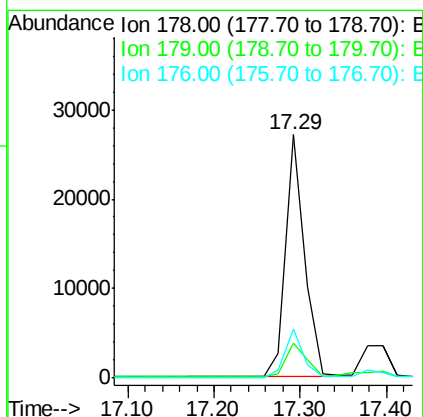
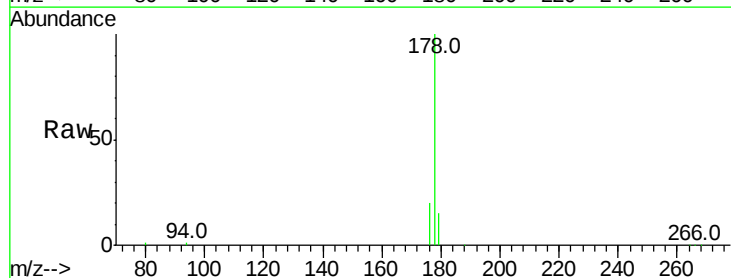
Instrument :
 BNA_E
 ClientSampled :

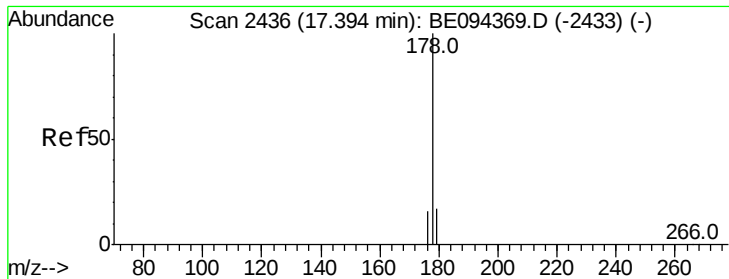
Tot Ion:166 Resp: 1070
 Ion Ratio Lower Upper
 166 100
 165 102.0 73.4 110.2
 167 25.4 14.6 22.0#



#12
Phenanthrene
 Concen: 1.371 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BE094375.D
 Acq: 15 Oct 2017 3:23

Tgt Ion:178 Resp: 41971
 Ion Ratio Lower Upper
 178 100
 179 14.6 18.4 27.6#
 176 20.2 13.6 20.4





#13

Anthracene

Concen: 0.266 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094375.D

Acq: 15 Oct 2017 3:23

Instrument :

BNA_E

ClientSampleId :

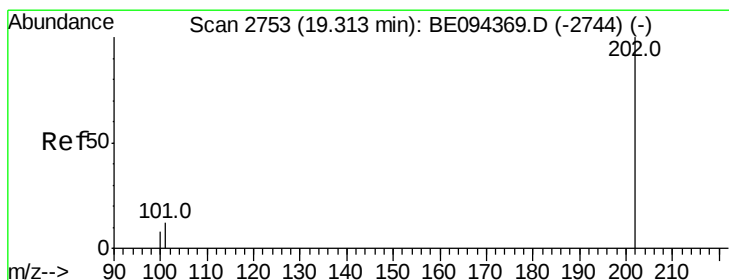
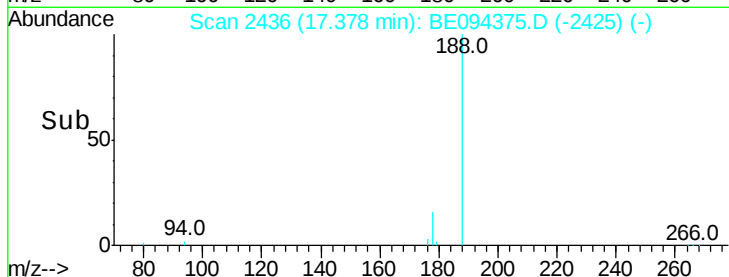
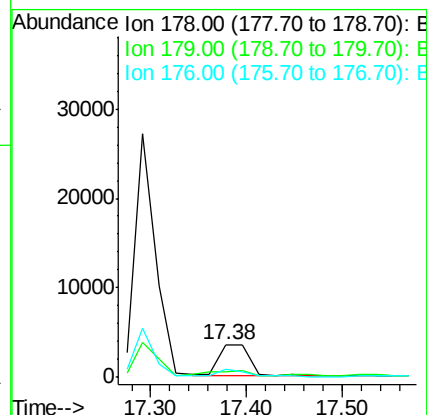
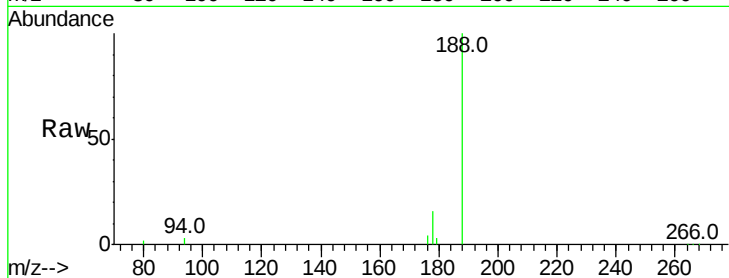
Tot Ion:178 Resp: 7909

Ion Ratio Lower Upper

178 100

179 18.0 18.1 27.1#

176 23.4 14.7 22.1#



#15

Fluoranthene

Concen: 3.671 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE094375.D

Acq: 15 Oct 2017 3:23

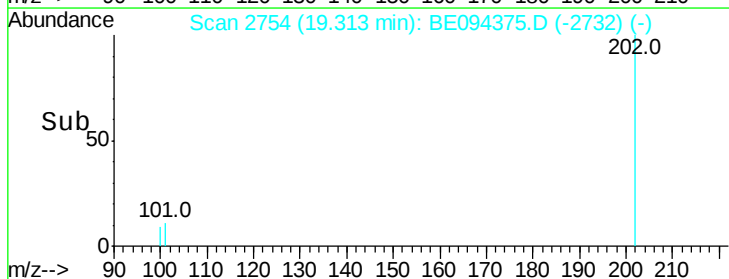
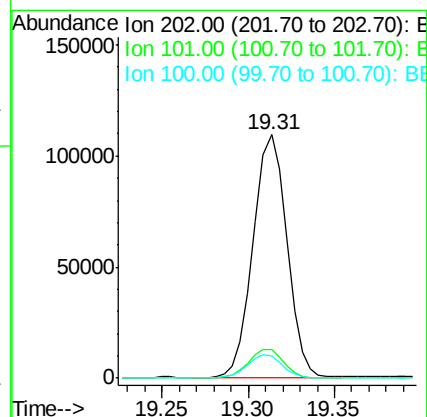
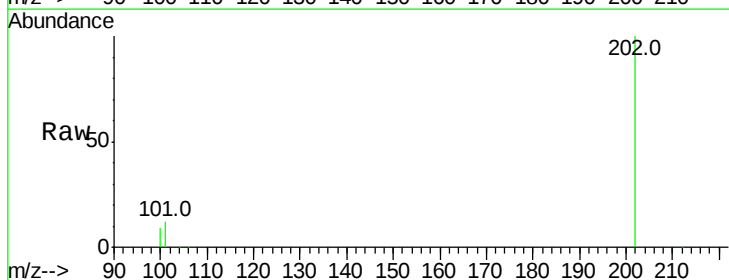
Tgt Ion:202 Resp: 147722

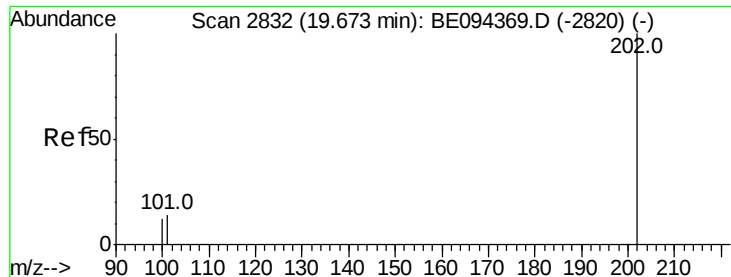
Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

100 9.2 0.0 39.5

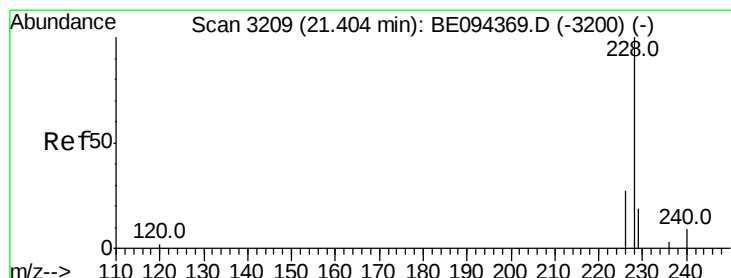
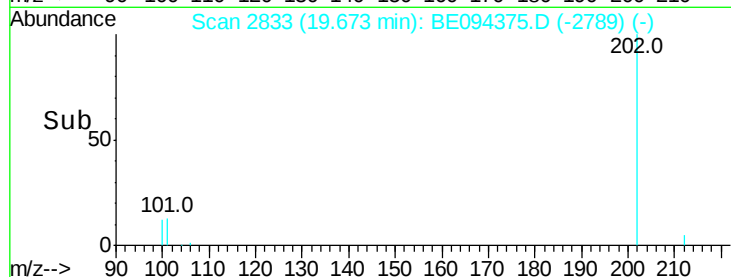
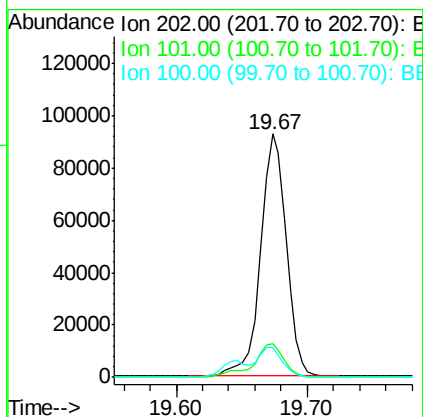
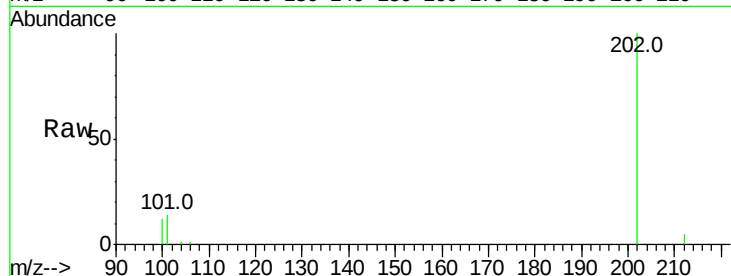




#17
Pvrene
Concen: 4.030 ng/ul
RT: 19.67 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BE094375.D
Acq: 15 Oct 2017 3:23

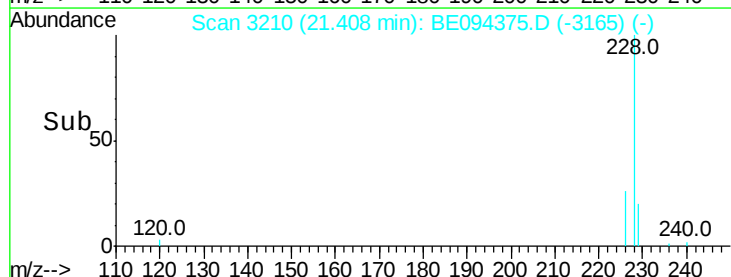
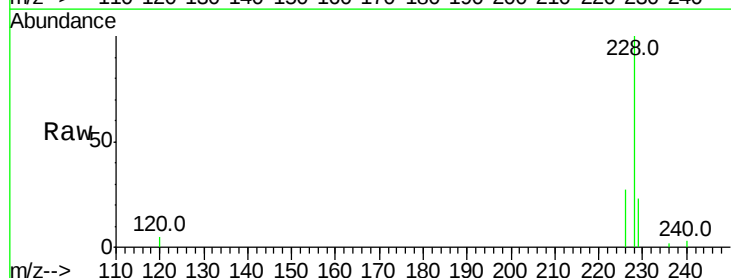
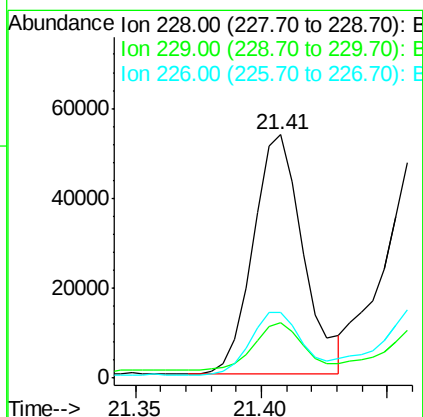
Instrument :
BNA_E
ClientSampleId :

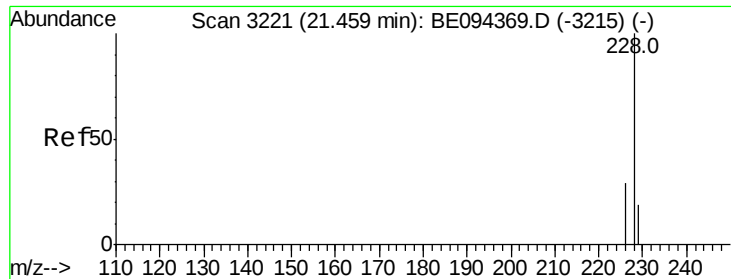
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.6	18.2	27.4#
100	12.1	15.6	23.4#



#18
Benzo(a)anthracene
Concen: 2.465 ng/ul
RT: 21.41 min Scan# 3210
Delta R.T. 0.00 min
Lab File: BE094375.D
Acq: 15 Oct 2017 3:23

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.5	22.8	34.2#
226	27.0	17.0	25.6#





#19

Chrysene

Concen: 2.369 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. 0.00 min

Lab File: BE094375.D

Acq: 15 Oct 2017 3:23

Instrument :

BNA_E

ClientSampleId :

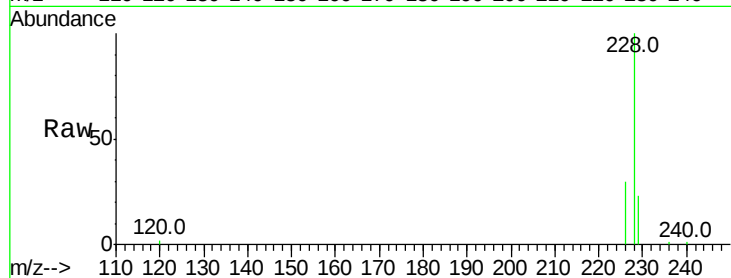
Tot Ion:228 Resp: 81486

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

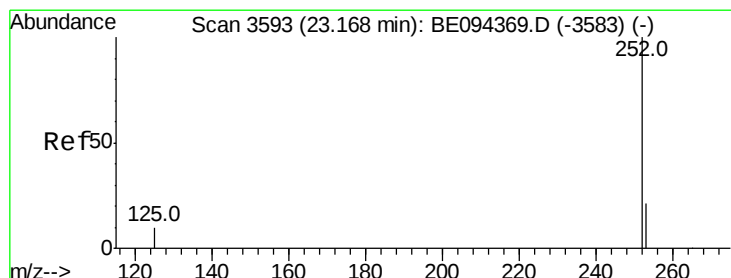
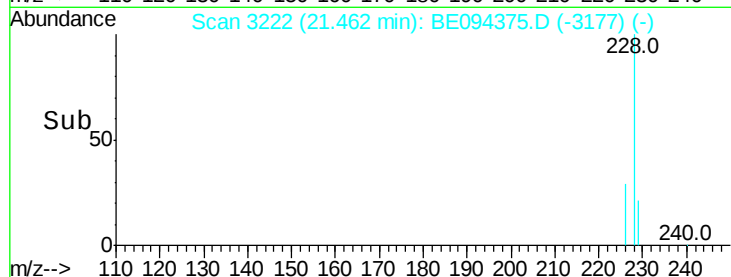
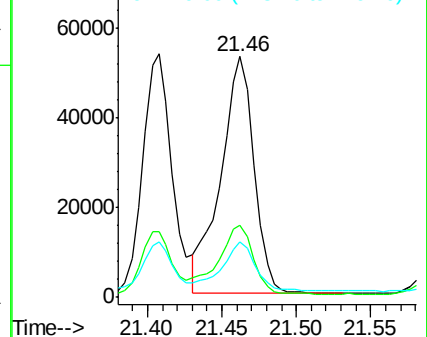
229 22.8 17.7 26.5



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: 0.083 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. 0.00 min

Lab File: BE094375.D

Acq: 15 Oct 2017 3:23

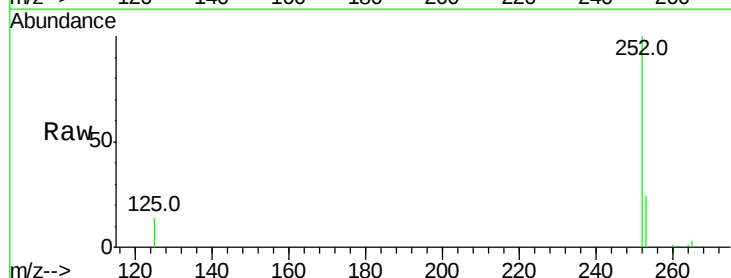
Tgt Ion:252 Resp: 92826

Ion Ratio Lower Upper

252 100

253 23.8 0.0 64.2

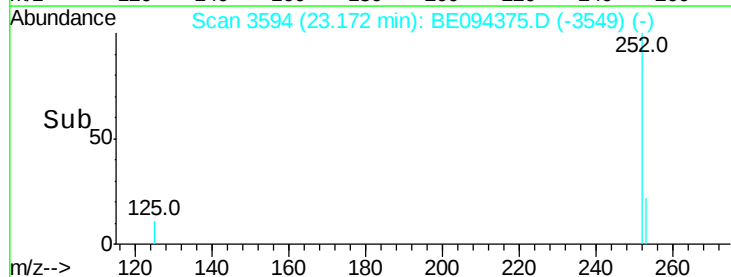
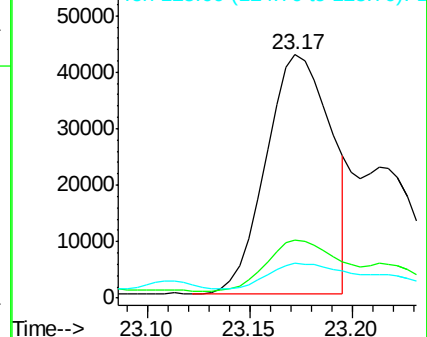
125 14.2 0.0 35.0

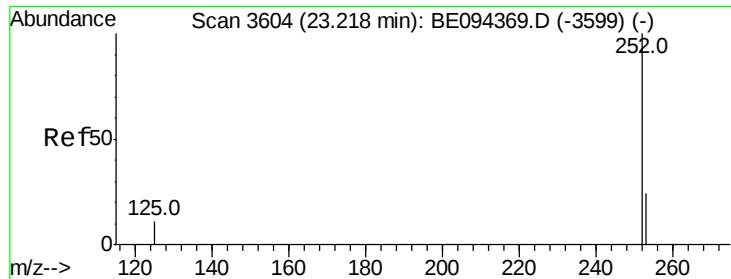


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.072 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.05 min

Lab File: BE094375.D

Acq: 15 Oct 2017 3:23

Instrument :

BNA_E

ClientSampled :

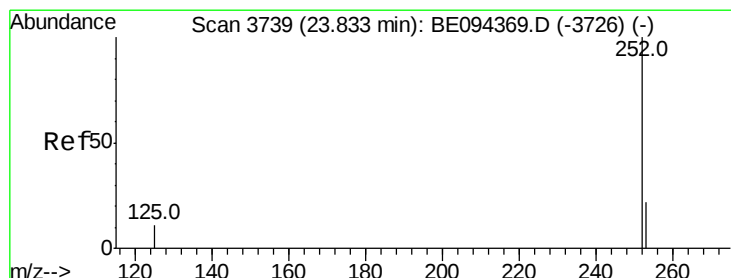
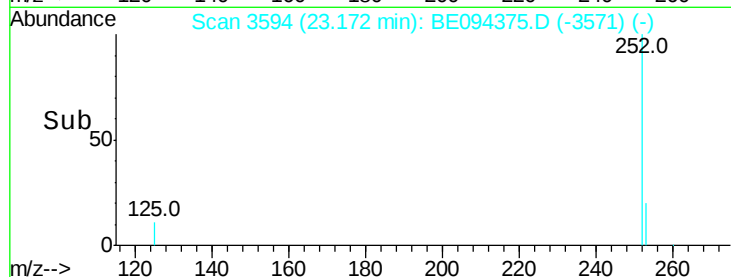
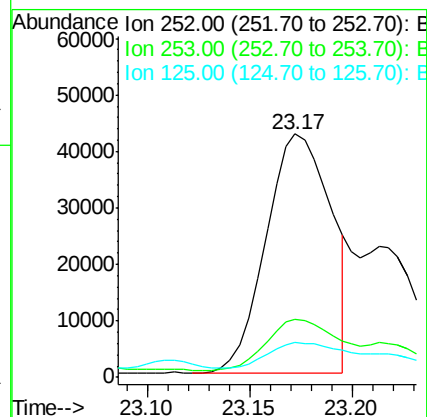
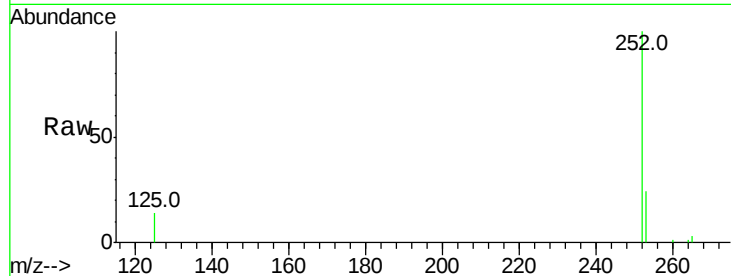
Tot Ion:252 Resp: 92826

Ion Ratio Lower Upper

252 100

253 23.8 24.5 36.7#

125 14.2 13.7 20.5



#23

Benzo(a)pyrene

Concen: 0.043 ng/ul

RT: 23.72 min Scan# 3715

Delta R.T. -0.11 min

Lab File: BE094375.D

Acq: 15 Oct 2017 3:23

Tgt Ion:252 Resp: 49904

Ion Ratio Lower Upper

252 100

253 25.2 28.5 42.7#

125 21.3 18.1 27.1

