

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094242.D
 Acq On : 10 Oct 2017 4:15
 Operator : SJ/JU
 Sample : I5522-17
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:52:59 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 09 04:05:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2558	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12764	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7605	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.26	188	15703	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	15698	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	915347	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	5585	0.28	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	12718	0.24	ng/ul	-0.01

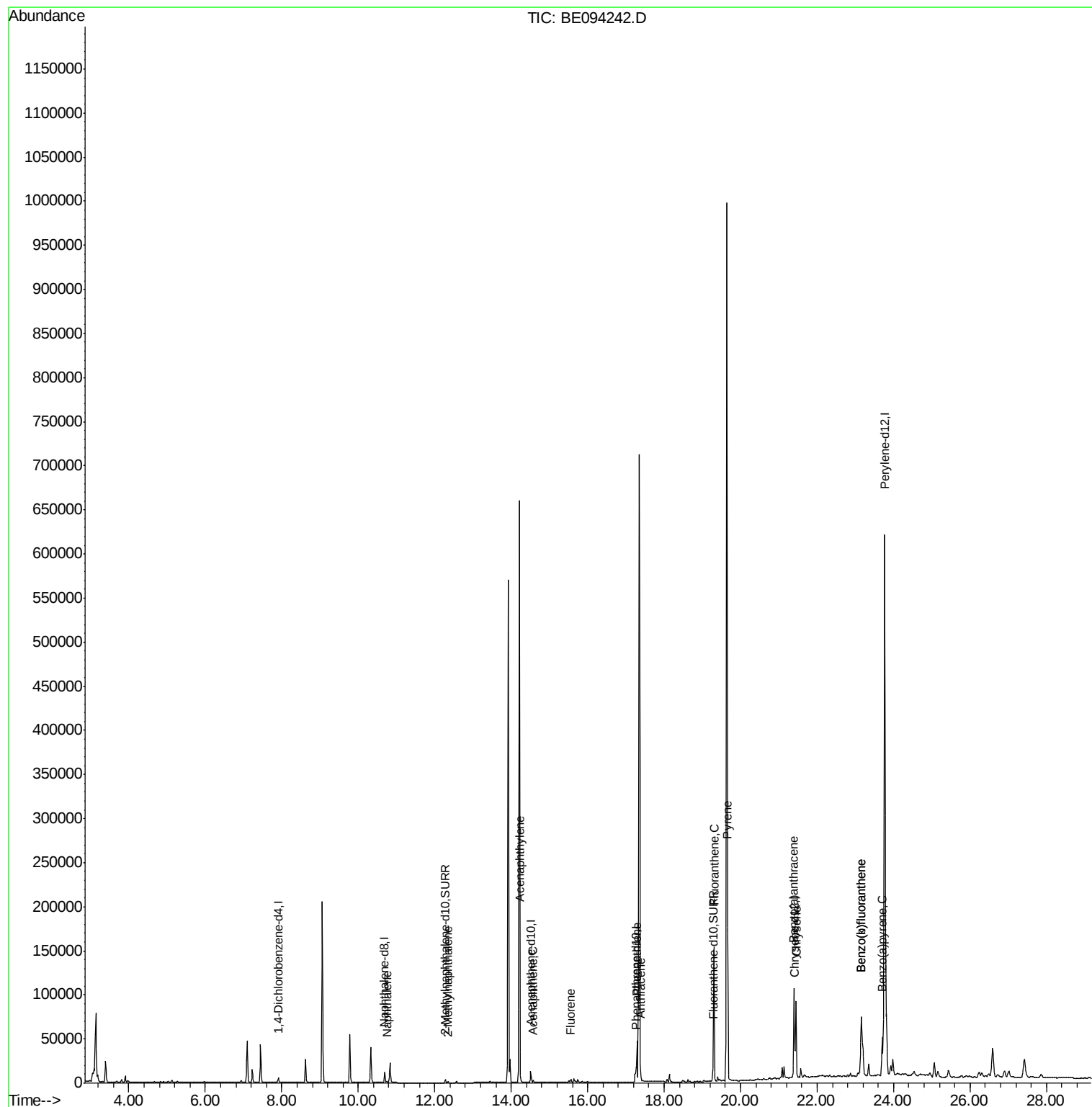
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	2361	0.08	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	1816	0.09	ng/ul	98
7) Acenaphthylene	14.24	152	3656	0.12	ng/ul	93
8) Acenaphthene	14.57	153	1632	0.07	ng/ul	95
9) Fluorene	15.57	166	2031	0.07	ng/ul	93
12) Phenanthrene	17.29	178	53626	1.31	ng/ul#	92
13) Anthracene	17.38	178	15044	0.38	ng/ul#	93
15) Fluoranthene	19.30	202	159957	2.97	ng/ul	84
17) Pyrene	19.66	202	162194	3.71	ng/ul#	83
18) Benzo(a)anthracene	21.40	228	92947	2.23	ng/ul#	87
19) Chrysene	21.45	228	91091	1.89	ng/ul	96
21) Benzo(b)fluoranthene	23.15	252	118066	0.05	ng/ul	90
22) Benzo(k)fluoranthene	23.15	252	118066	0.04	ng/ul	92
23) Benzo(a)pyrene	23.70	252	69183	0.03	ng/ul#	90

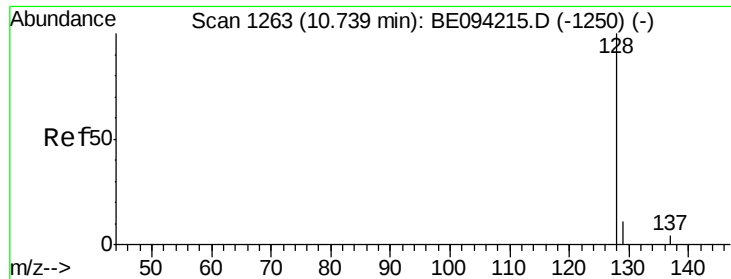
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.08 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094242.D

Acq: 10 Oct 2017 4:15

Instrument :

BNA_E

ClientSampleId :

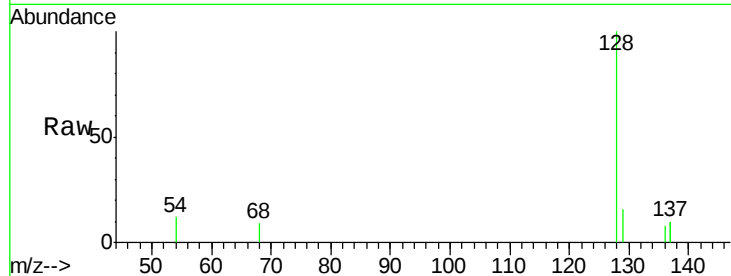
Tot Ion:128 Resp: 2361

Ion Ratio Lower Upper

128 100

129 15.7 11.3 16.9

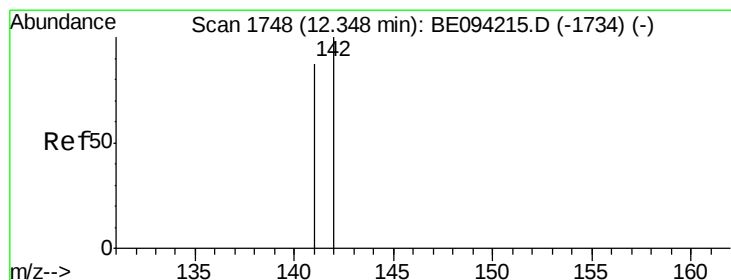
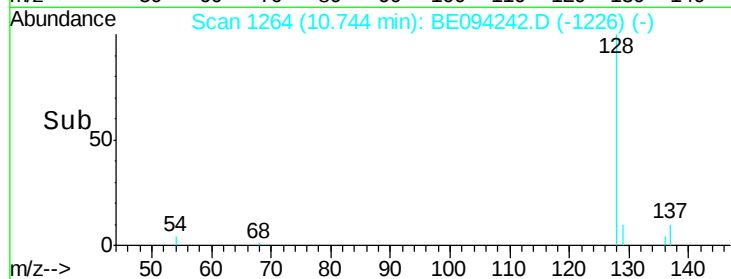
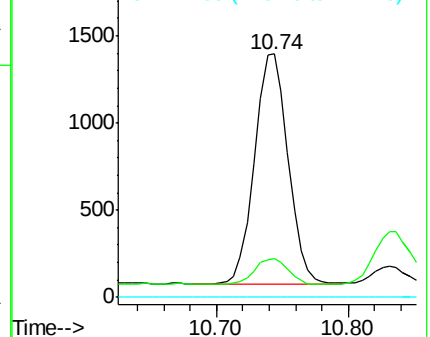
127 0.0 4.0 6.0#



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: 0.09 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094242.D

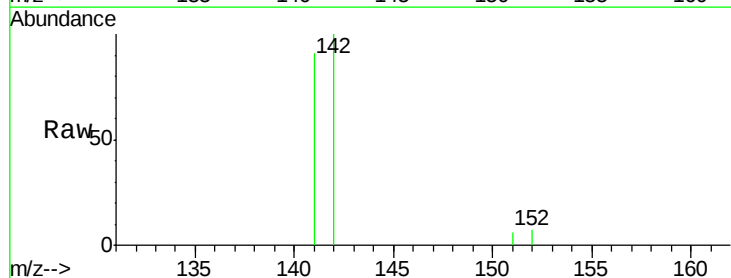
Acq: 10 Oct 2017 4:15

Tgt Ion:142 Resp: 1816

Ion Ratio Lower Upper

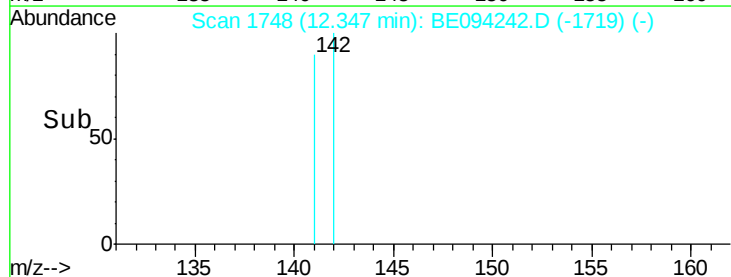
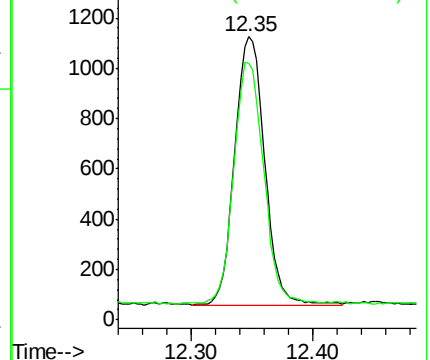
142 100

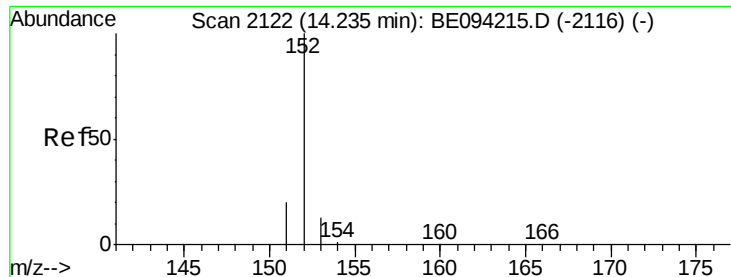
141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094242.D

Acq: 10 Oct 2017 4:15

Instrument :

BNA_E

ClientSampleId :

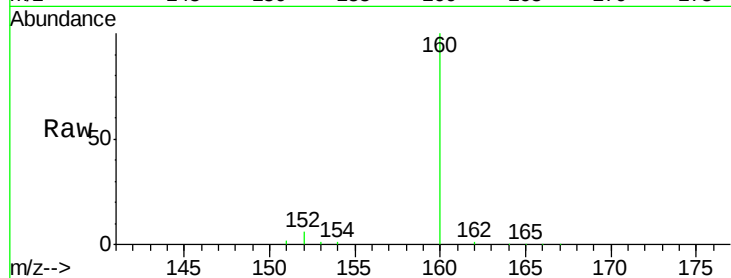
Tot Ion:152 Resp: 3656

Ion Ratio Lower Upper

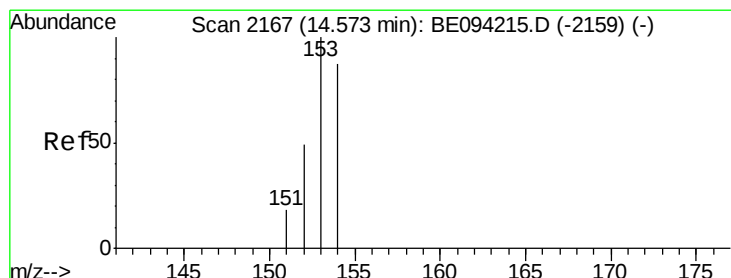
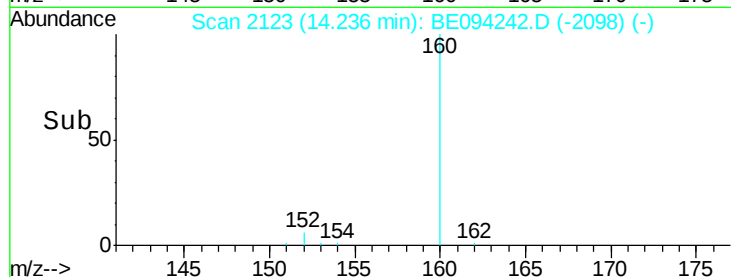
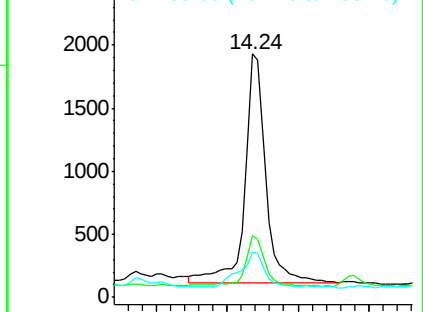
152 100

151 25.3 17.1 25.7

153 18.7 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: 0.07 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094242.D

Acq: 10 Oct 2017 4:15

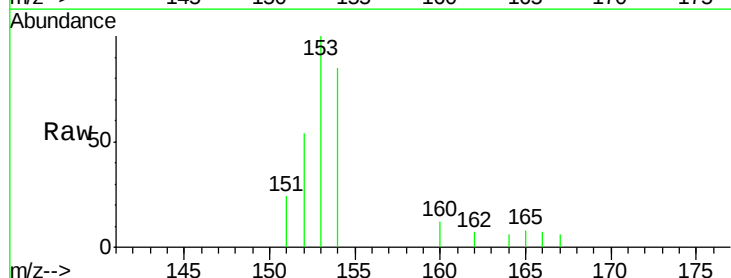
Tgt Ion:153 Resp: 1632

Ion Ratio Lower Upper

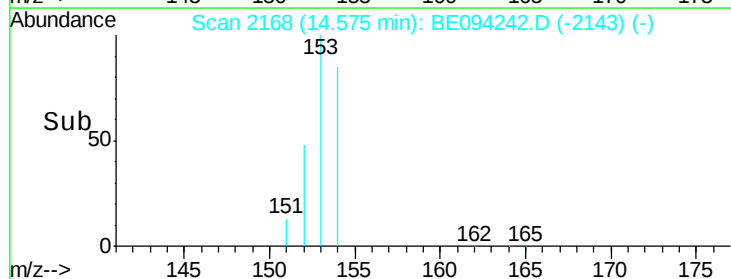
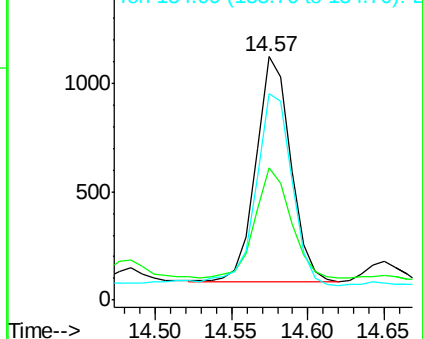
153 100

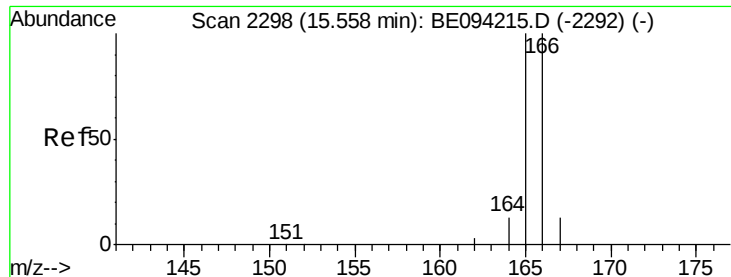
152 54.3 40.3 60.5

154 84.9 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

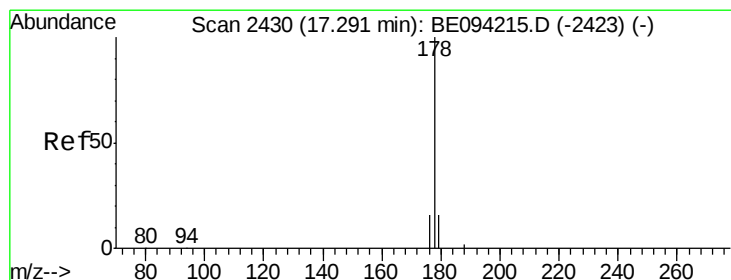
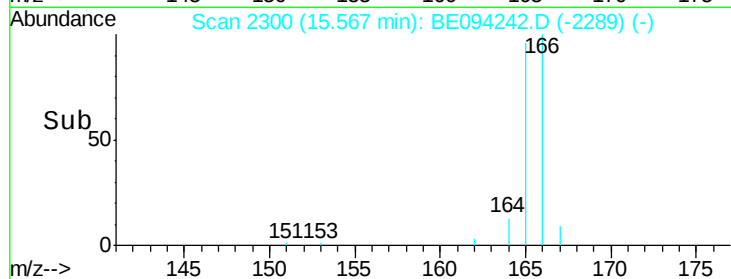
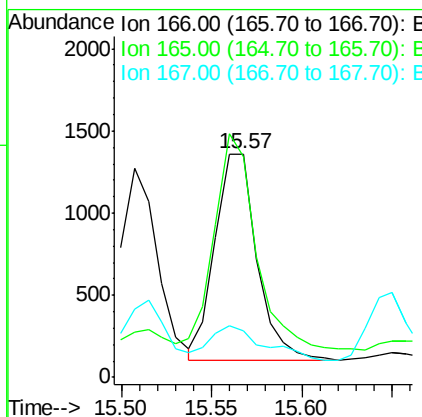
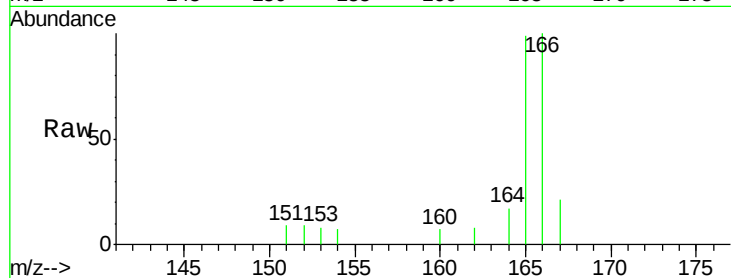




#9
Fluorene
 Concen: 0.07 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: BE094242.D
 Acq: 10 Oct 2017 4:15

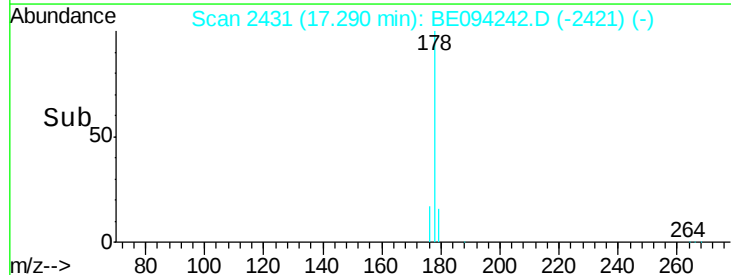
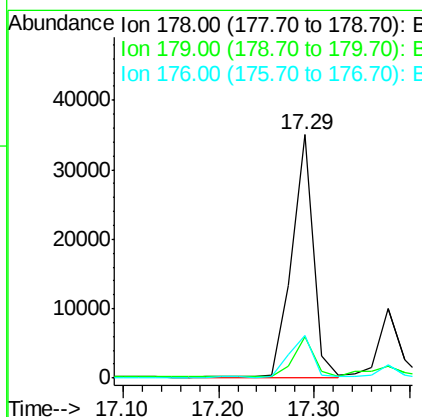
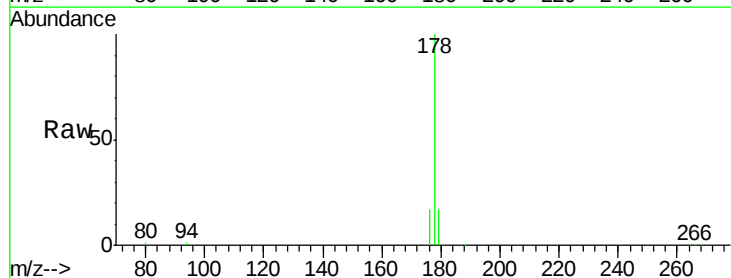
Instrument :
 BNA_E
 ClientSampleId :

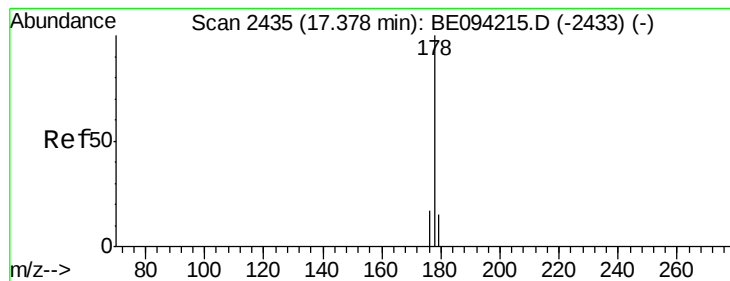
Tot Ion:166 Resp: 2031
 Ion Ratio Lower Upper
 166 100
 165 98.5 73.4 110.2
 167 20.6 14.6 22.0



#12
Phenanthrene
 Concen: 1.31 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094242.D
 Acq: 10 Oct 2017 4:15

Tgt Ion:178 Resp: 53626
 Ion Ratio Lower Upper
 178 100
 179 16.7 18.4 27.6#
 176 17.3 13.6 20.4





#13

Anthracene

Concen: 0.38 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094242.D

Acq: 10 Oct 2017 4:15

Instrument :

BNA_E

ClientSampleId :

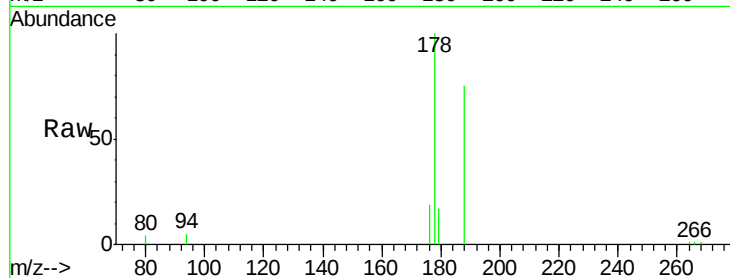
Tot Ion:178 Resp: 15044

Ion Ratio Lower Upper

178 100

179 17.1 18.1 27.1#

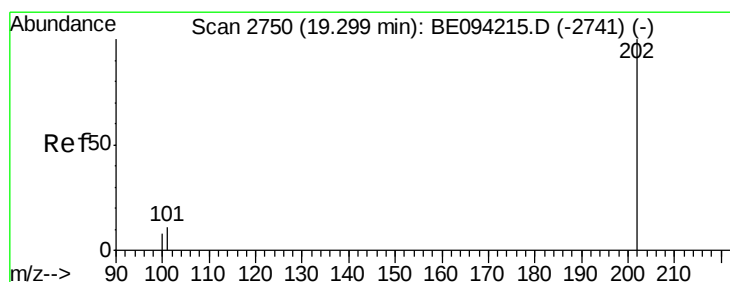
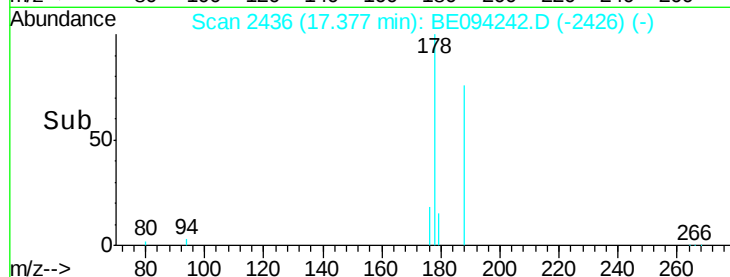
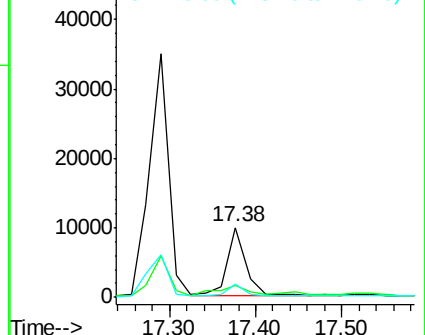
176 19.5 14.7 22.1



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: 2.97 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094242.D

Acq: 10 Oct 2017 4:15

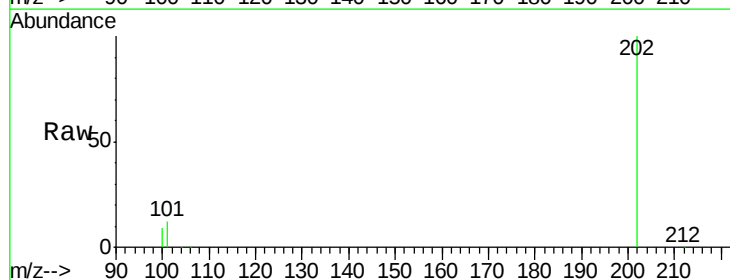
Tgt Ion:202 Resp: 159957

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.3

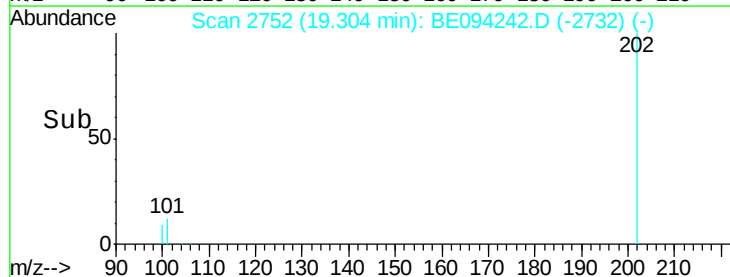
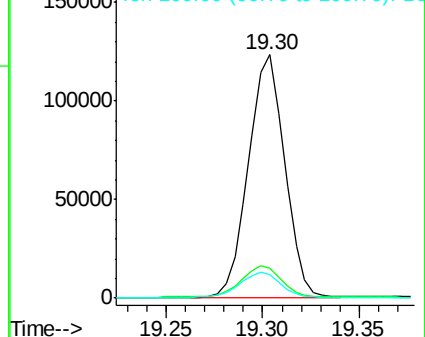
100 9.4 0.0 39.5

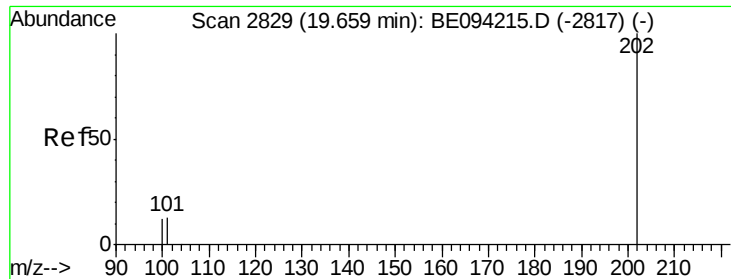


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

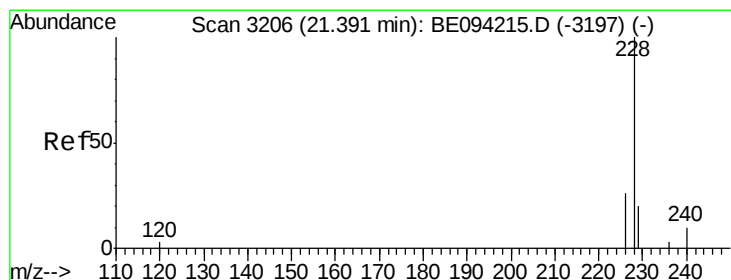
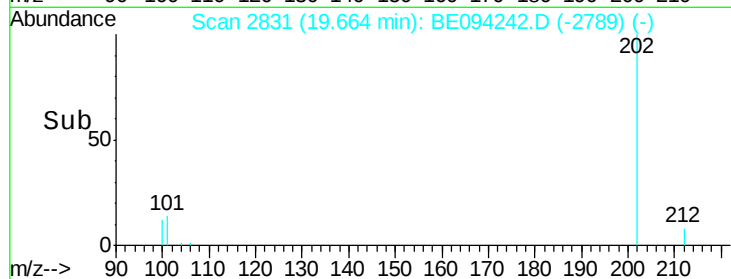
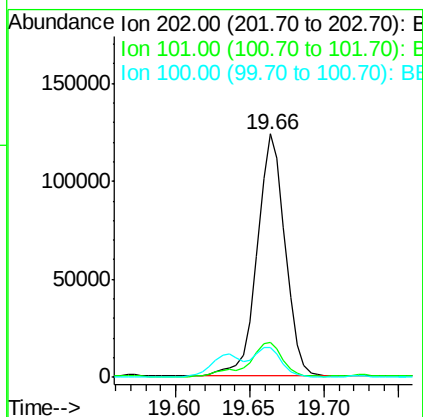
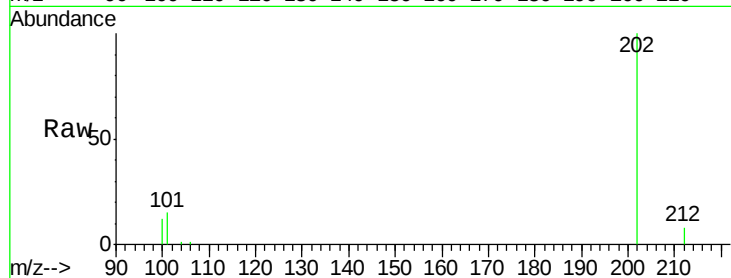




#17
Pvrene
Concen: 3.71 ng/ul
RT: 19.66 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BE094242.D
Acq: 10 Oct 2017 4:15

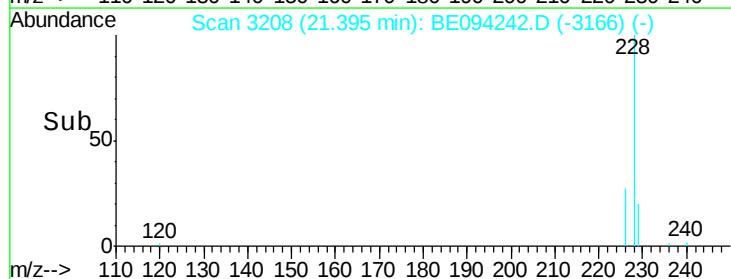
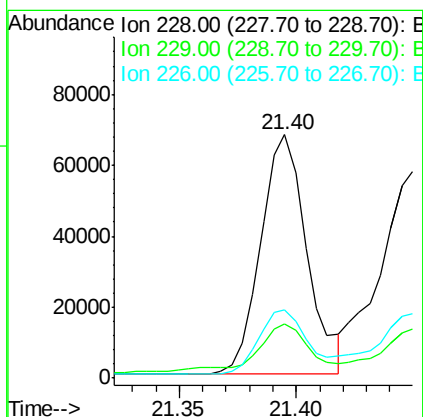
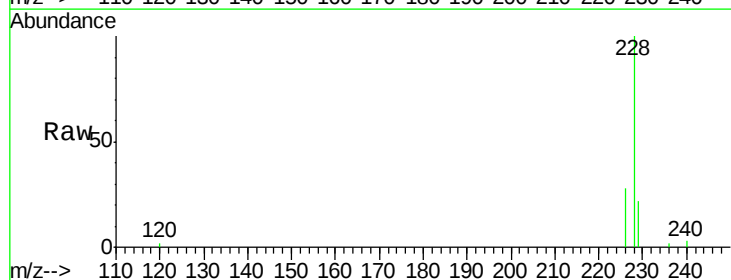
Instrument :
BNA_E
ClientSampleId :

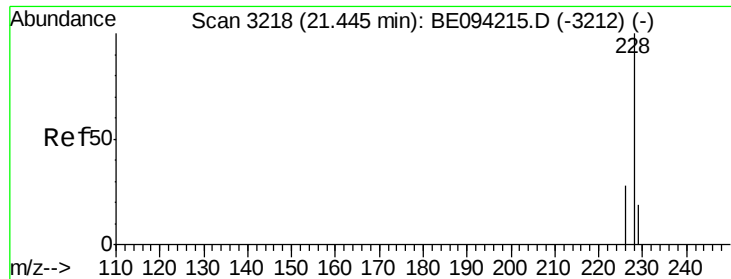
Tot Ion:202 Resp: 162194
Ion Ratio Lower Upper
202 100
101 14.5 18.2 27.4#
100 12.2 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 2.23 ng/ul
RT: 21.40 min Scan# 3208
Delta R.T. -0.01 min
Lab File: BE094242.D
Acq: 10 Oct 2017 4:15

Tgt Ion:228 Resp: 92947
Ion Ratio Lower Upper
228 100
229 22.5 22.8 34.2#
226 28.2 17.0 25.6#





#19

Chrysene

Concen: 1.89 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. -0.00 min

Lab File: BE094242.D

Acq: 10 Oct 2017 4:15

Instrument :

BNA_E

ClientSampleId :

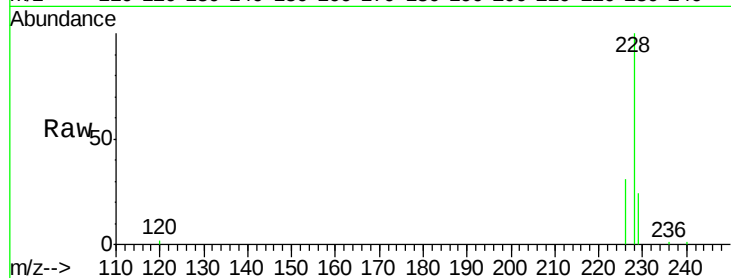
Tot Ion:228 Resp: 91091

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.0

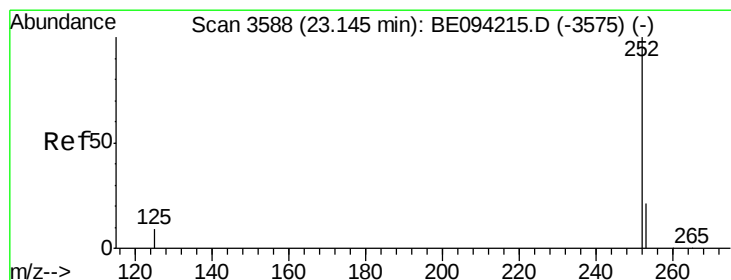
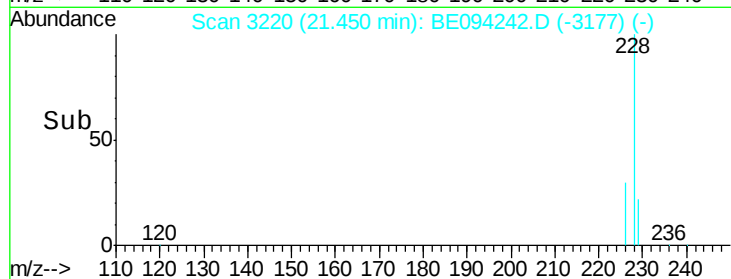
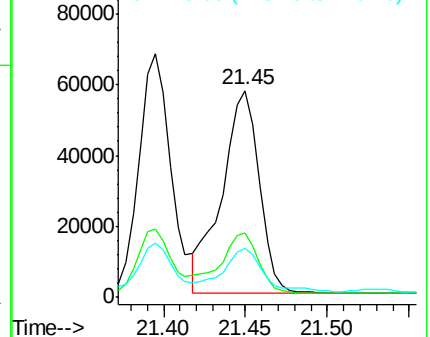
229 23.8 17.7 26.5



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: 0.05 ng/ul

RT: 23.15 min Scan# 3591

Delta R.T. 0.00 min

Lab File: BE094242.D

Acq: 10 Oct 2017 4:15

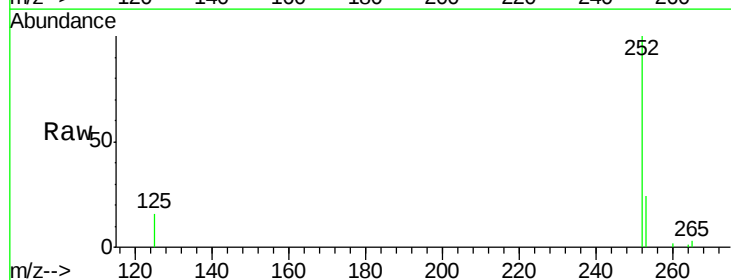
Tgt Ion:252 Resp: 118066

Ion Ratio Lower Upper

252 100

253 24.5 0.0 64.2

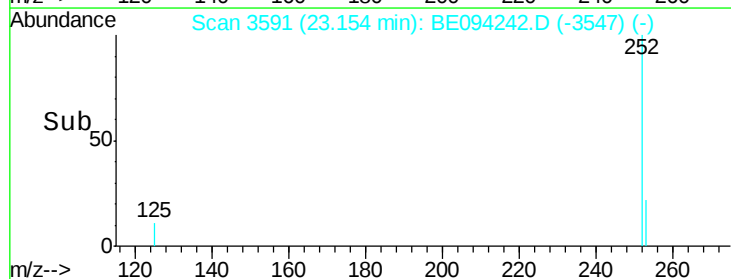
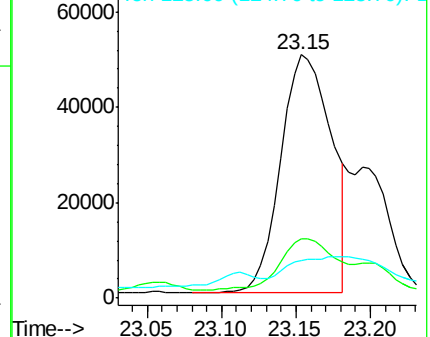
125 15.7 0.0 35.0

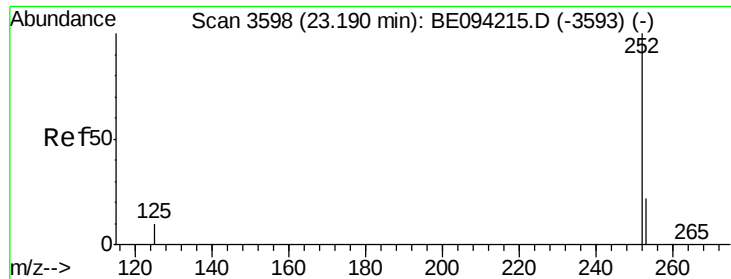


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

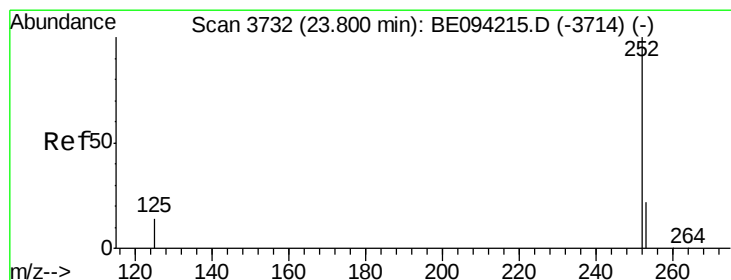
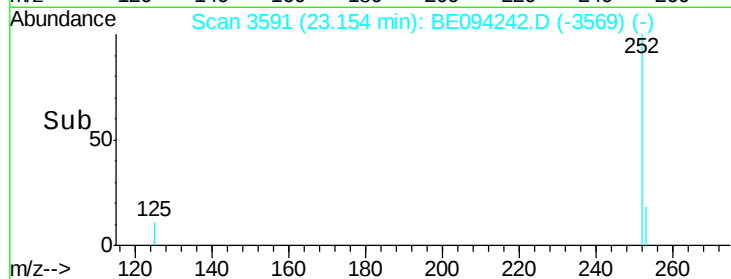
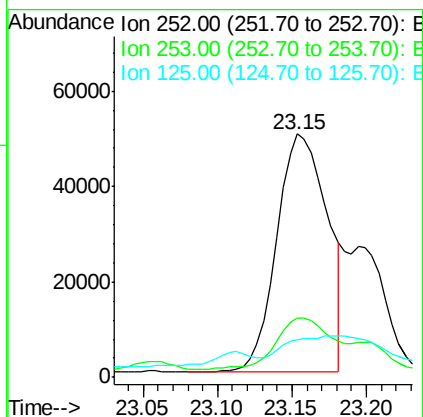
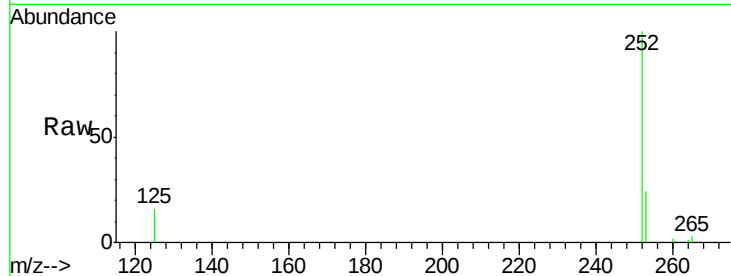




#22
Benzo(k)fluoranthene
Concen: 0.04 ng/u1
RT: 23.15 min Scan# 3591
Delta R.T. -0.05 min
Lab File: BE094242.D
Acq: 10 Oct 2017 4:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 118066
Ion Ratio Lower Upper
252 100
253 24.5 24.5 36.7
125 15.7 13.7 20.5



#23
Benzo(a)pyrene
Concen: 0.03 ng/u1
RT: 23.70 min Scan# 3712
Delta R.T. -0.11 min
Lab File: BE094242.D
Acq: 10 Oct 2017 4:15

Tgt Ion:252 Resp: 69183
Ion Ratio Lower Upper
252 100
253 25.8 28.5 42.7#
125 22.6 18.1 27.1

