

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094238.D
 Acq On : 10 Oct 2017 1:46
 Operator : SJ/JU
 Sample : I5522-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:51:45 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

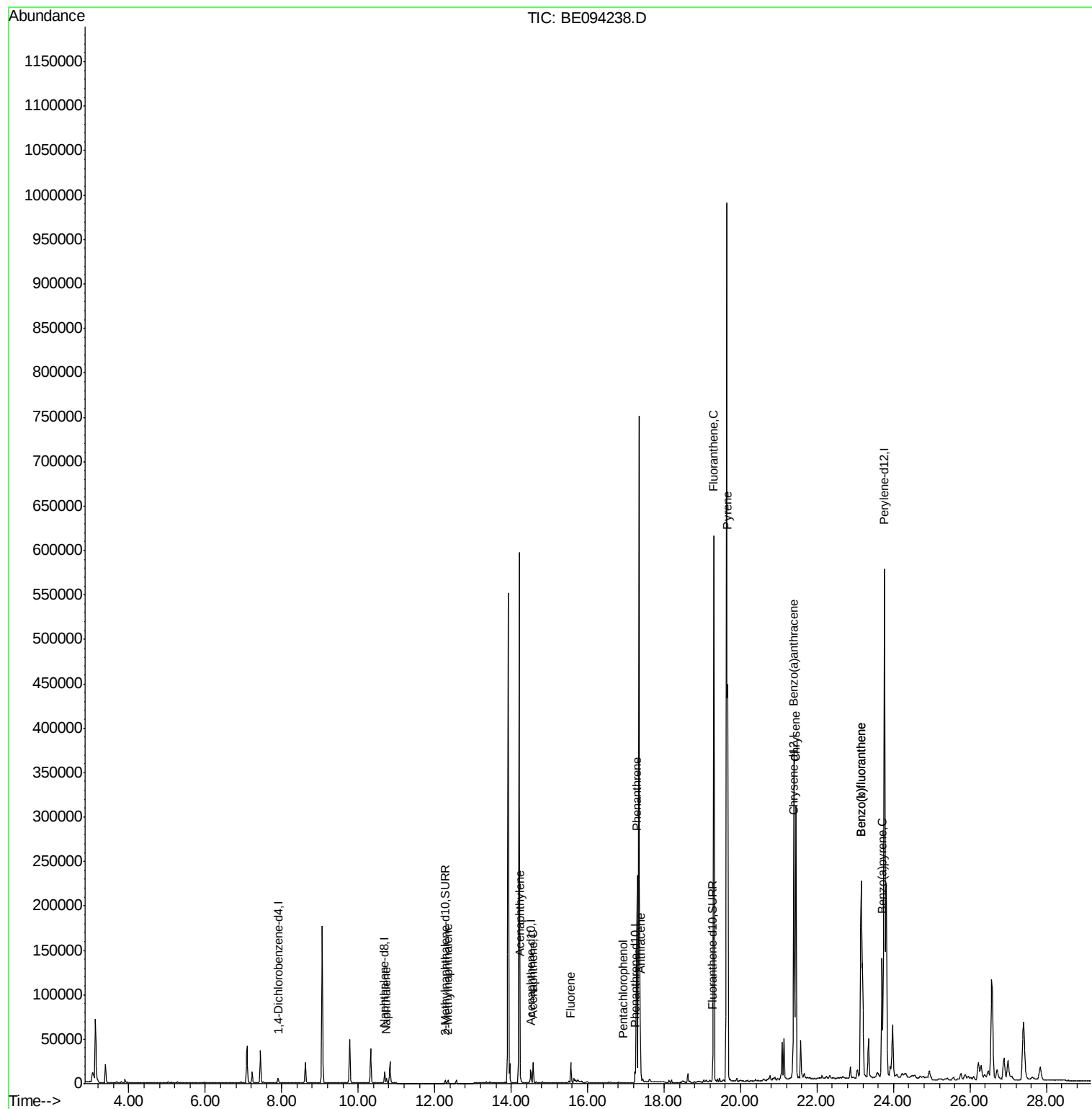
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2701	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	13857	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	8355	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.24	188	17588	0.40	ng/ul	-0.04
16) Chrysene-d12	21.41	240	16908	0.40	ng/ul	0.00
20) Perylene-d12	23.76	264	868794	0.40	ng/ul	-0.16
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	5039	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	12031	0.21	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	7760	0.23	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	3869	0.18	ng/ul	97
7) Acenaphthylene	14.24	152	7783	0.24	ng/ul	99
8) Acenaphthene	14.57	153	13640	0.51	ng/ul	97
9) Fluorene	15.56	166	14031	0.45	ng/ul	93
11) Pentachlorophenol	16.93	266	78	0.04	ng/ul	93
12) Phenanthrene	17.29	178	298190	6.49	ng/ul#	92
13) Anthracene	17.38	178	74909	1.68	ng/ul#	91
15) Fluoranthene	19.30	202	672751	11.14	ng/ul	84
17) Pyrene	19.66	202	617673	13.13	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	341874	7.62	ng/ul#	86
19) Chrysene	21.45	228	323548	6.25	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	397889	0.17	ng/ul	86
22) Benzo(k)fluoranthene	23.15	252	397889	0.15	ng/ul#	88
23) Benzo(a)pyrene	23.70	252	210015	0.09	ng/ul#	83

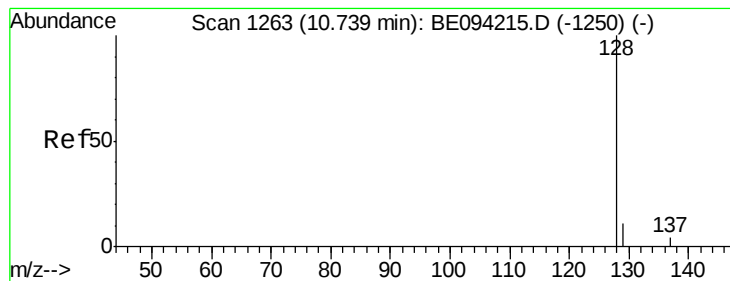
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.23 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

Instrument :

BNA_E

ClientSampleId :

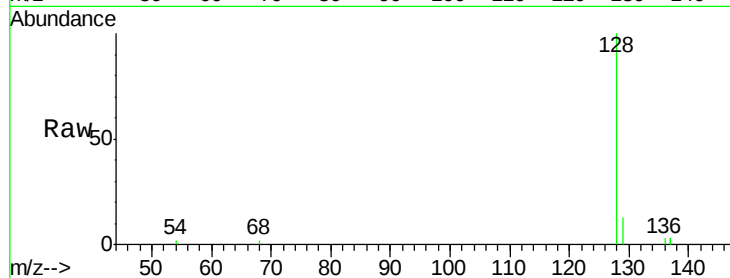
Tot Ion:128 Resp: 7760

Ion Ratio Lower Upper

128 100

129 12.7 11.3 16.9

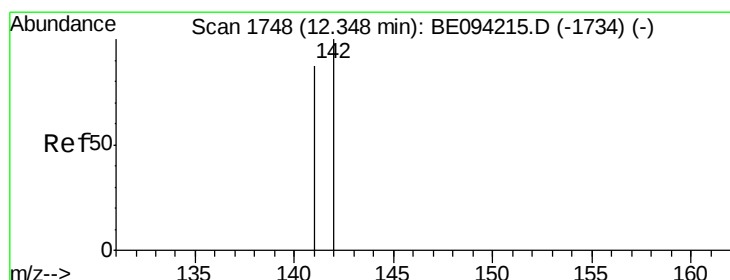
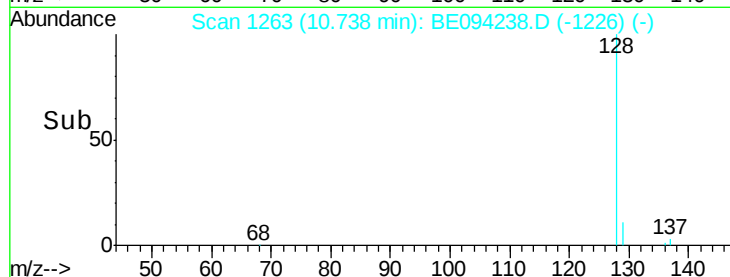
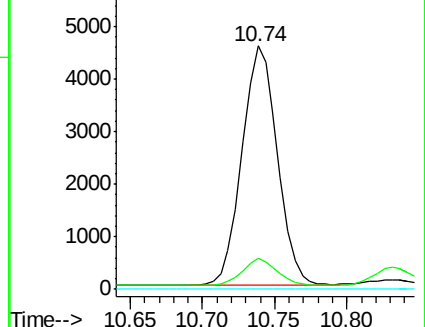
127 0.0 4.0 6.0#



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: 0.18 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094238.D

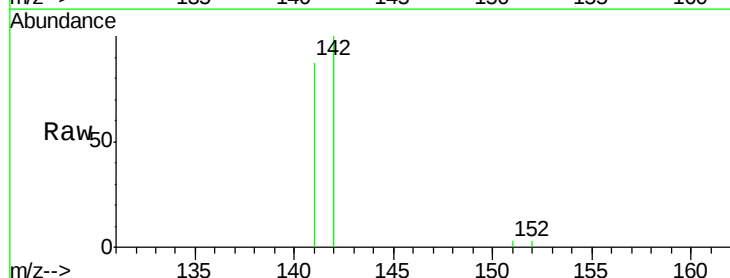
Acq: 10 Oct 2017 1:46

Tgt Ion:142 Resp: 3869

Ion Ratio Lower Upper

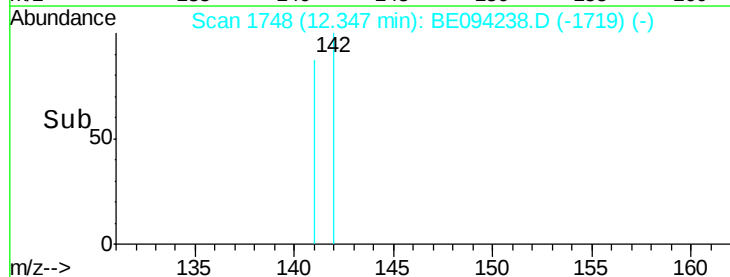
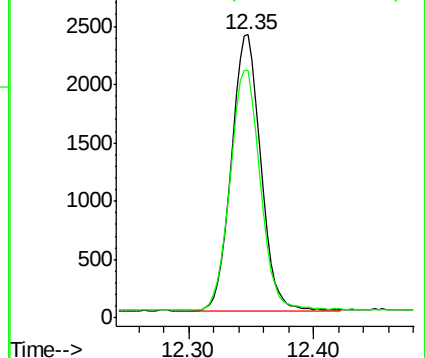
142 100

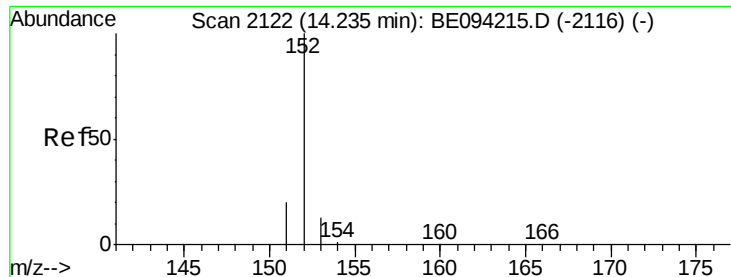
141 88.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.24 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

Instrument :

BNA_E

ClientSampleId :

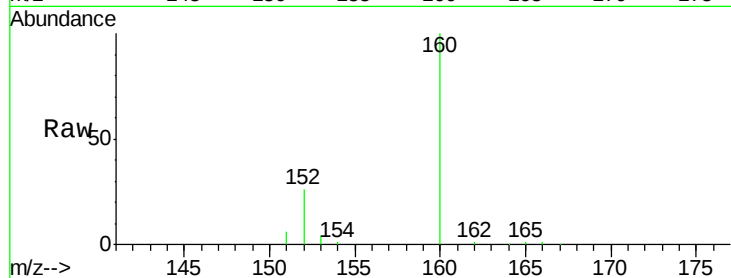
Tot Ion:152 Resp: 7783

Ion Ratio Lower Upper

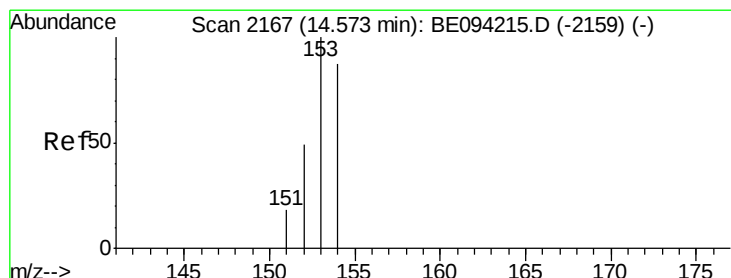
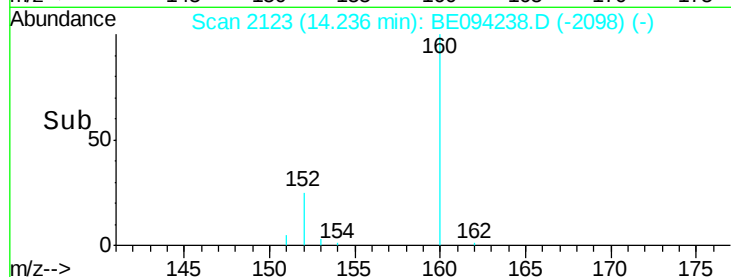
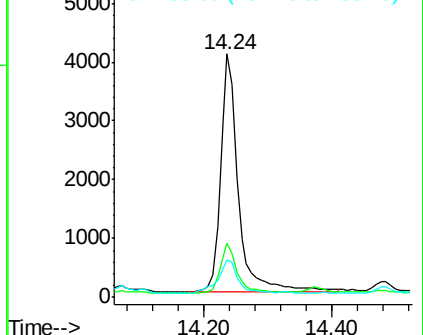
152 100

151 22.0 17.1 25.7

153 15.6 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: 0.51 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

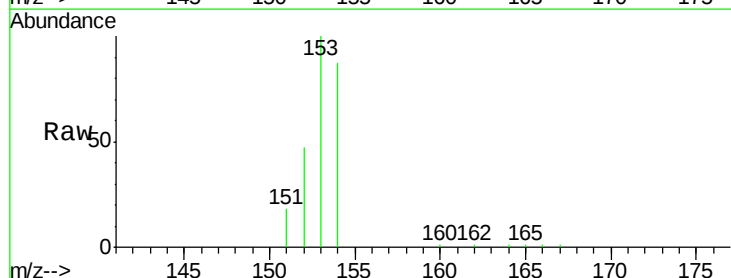
Tgt Ion:153 Resp: 13640

Ion Ratio Lower Upper

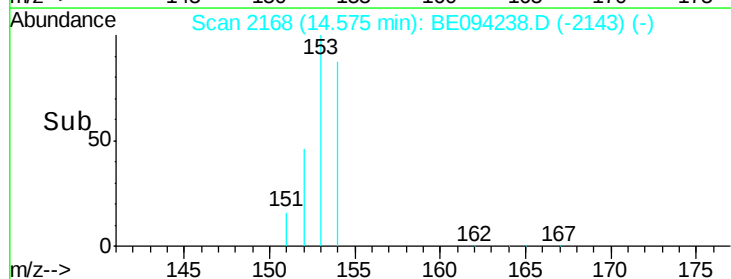
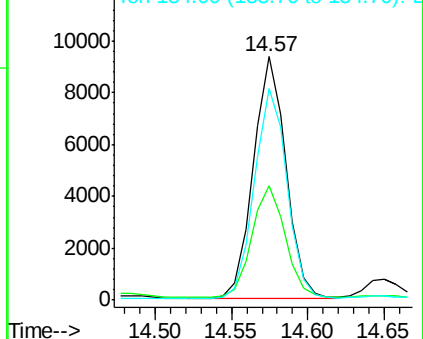
153 100

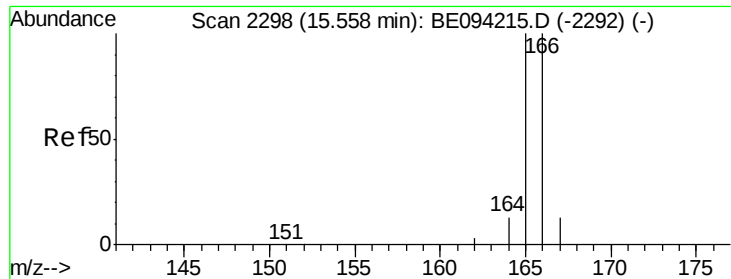
152 47.0 40.3 60.5

154 86.9 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

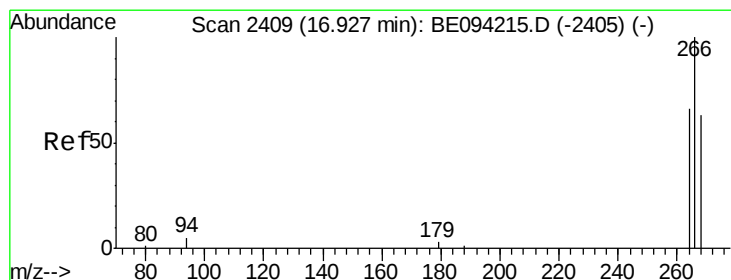
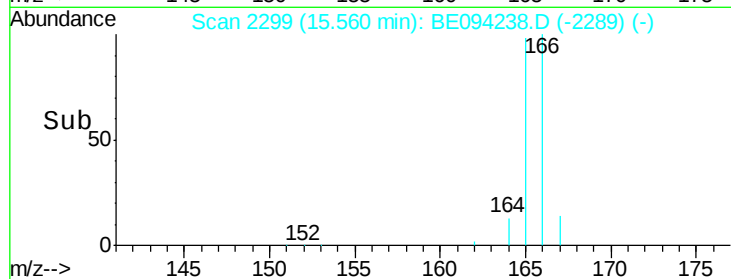
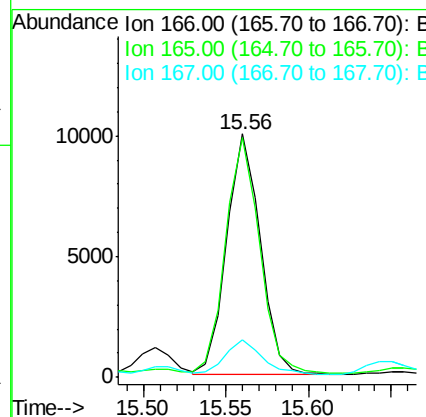
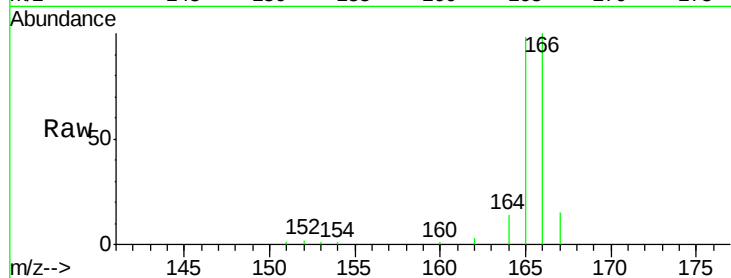




#9
Fluorene
 Concen: 0.45 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094238.D
 Acq: 10 Oct 2017 1:46

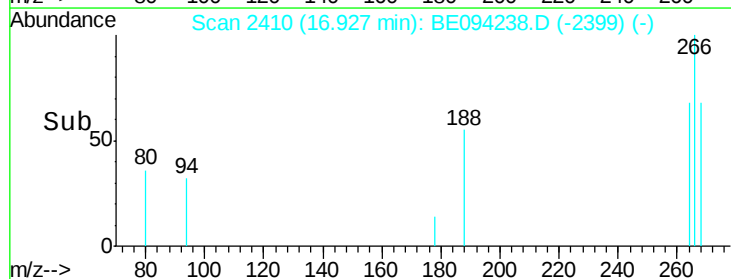
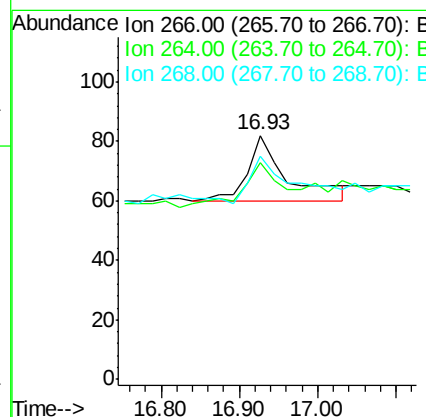
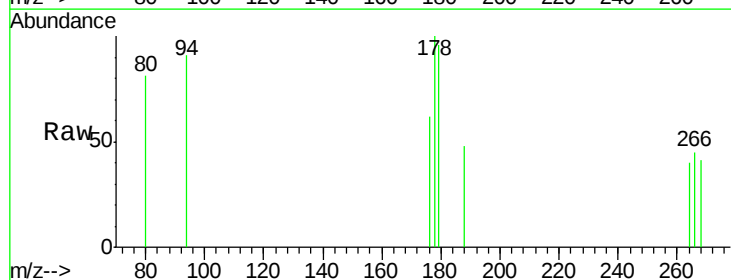
Instrument :
 BNA_E
 ClientSampleId :

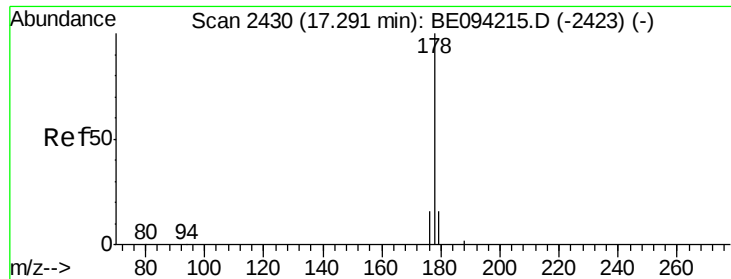
Tot Ion:166 Resp: 14031
 Ion Ratio Lower Upper
 166 100
 165 98.3 73.4 110.2
 167 15.5 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.04 ng/ul
 RT: 16.93 min Scan# 2410
 Delta R.T. -0.02 min
 Lab File: BE094238.D
 Acq: 10 Oct 2017 1:46

Tgt Ion:266 Resp: 78
 Ion Ratio Lower Upper
 266 100
 264 69.2 47.9 71.9
 268 61.5 49.8 74.8





#12

Phenanthrene

Concen: 6.49 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

Instrument :

BNA_E

ClientSampleId :

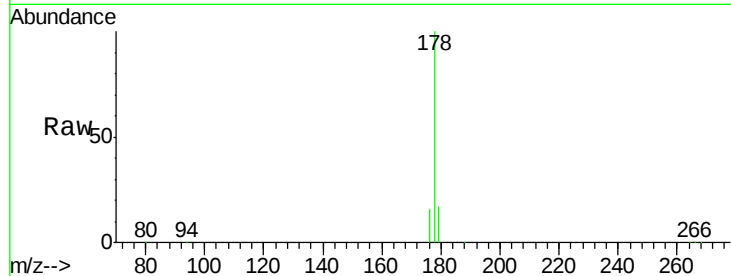
Tot Ion:178 Resp: 298190

Ion Ratio Lower Upper

178 100

179 17.1 18.4 27.6#

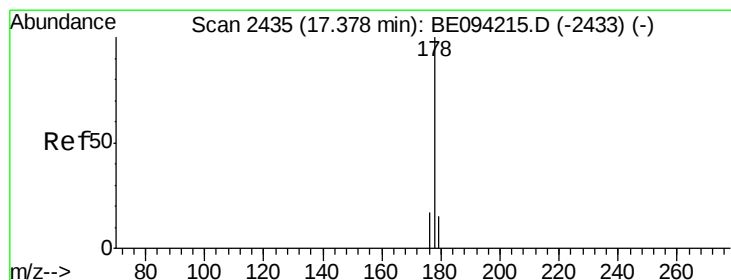
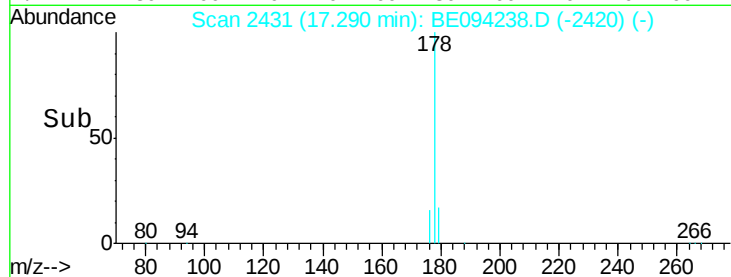
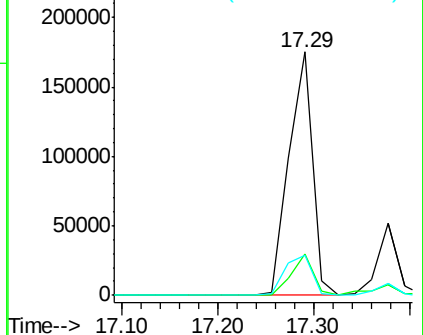
176 16.3 13.6 20.4



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



#13

Anthracene

Concen: 1.68 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

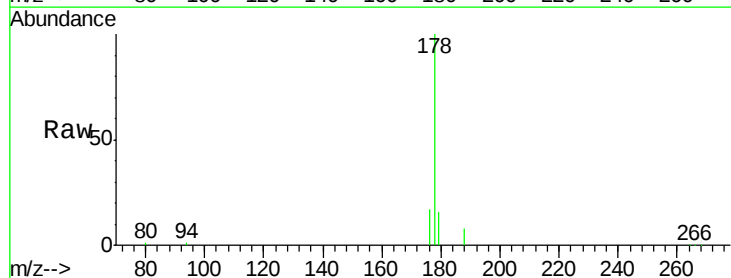
Tgt Ion:178 Resp: 74909

Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

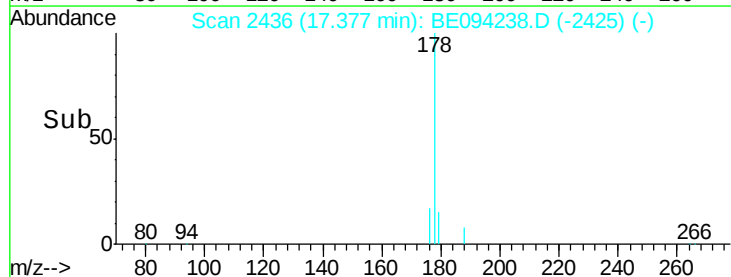
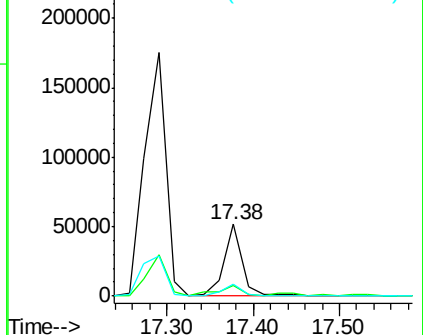
176 17.5 14.7 22.1

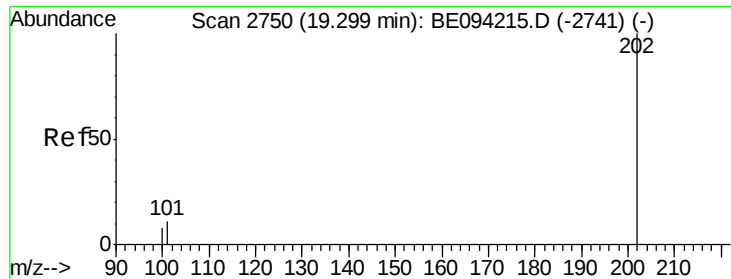


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

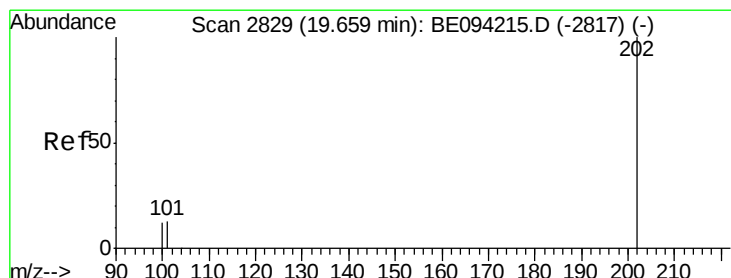
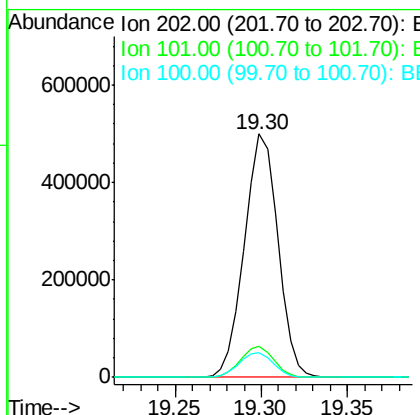
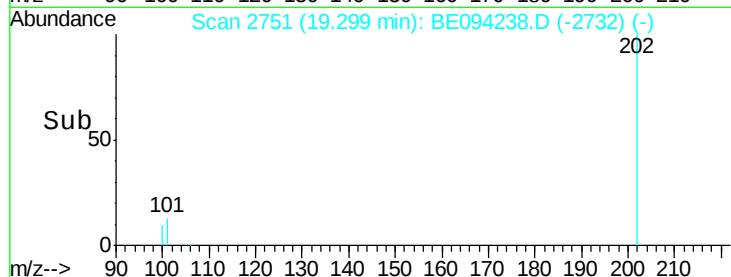
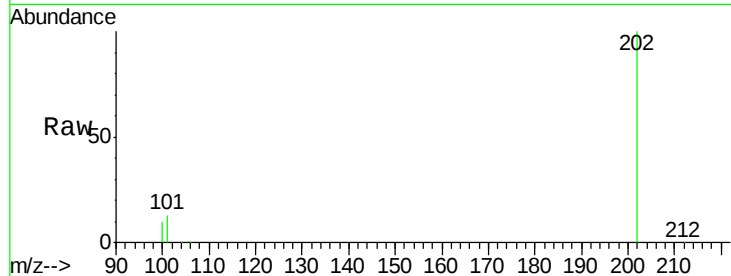




#15
Fluoranthene
 Concen: 11.14 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. -0.01 min
 Lab File: BE094238.D
 Acq: 10 Oct 2017 1:46

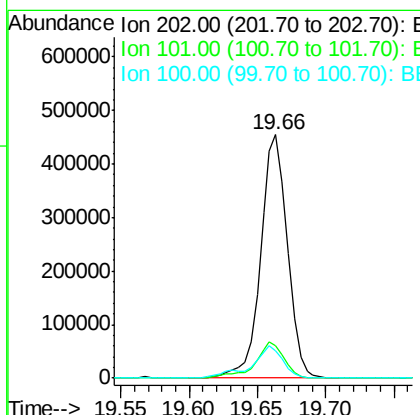
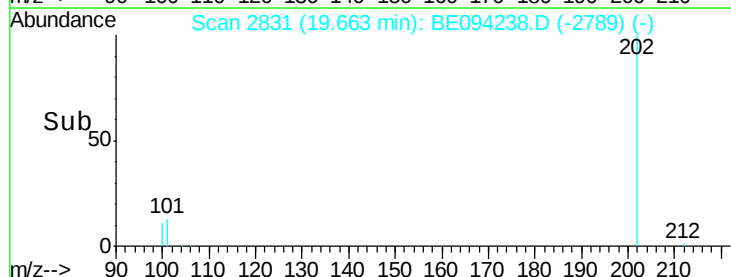
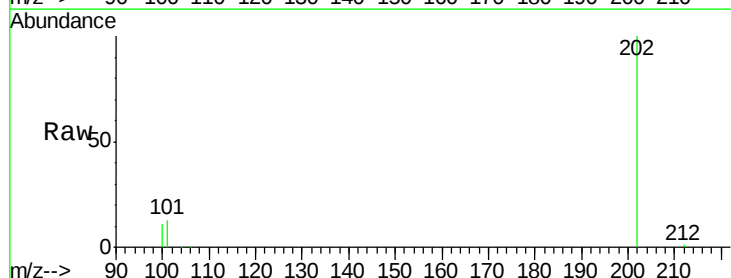
Instrument :
 BNA_E
 ClientSampleId :

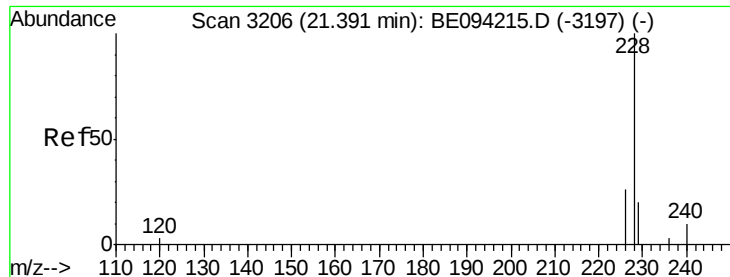
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	30.3
100	10.3	0.0	39.5



#17
Pyrene
 Concen: 13.13 ng/ul
 RT: 19.66 min Scan# 2831
 Delta R.T. -0.01 min
 Lab File: BE094238.D
 Acq: 10 Oct 2017 1:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	18.2	27.4#
100	11.2	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 7.62 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.01 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

Instrument :

BNA_E

ClientSampleId :

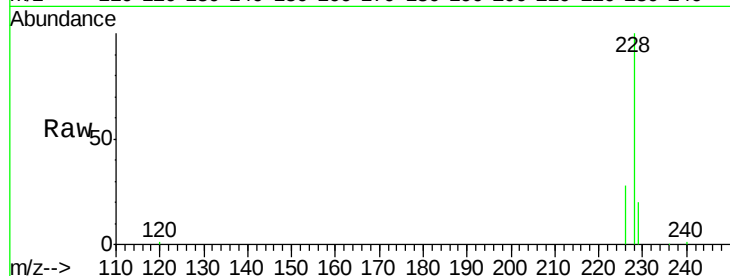
Tot Ion:228 Resp: 341874

Ion Ratio Lower Upper

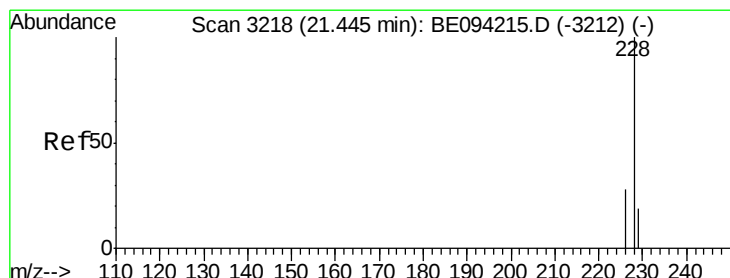
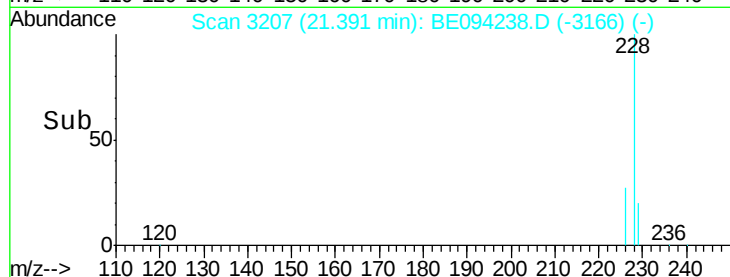
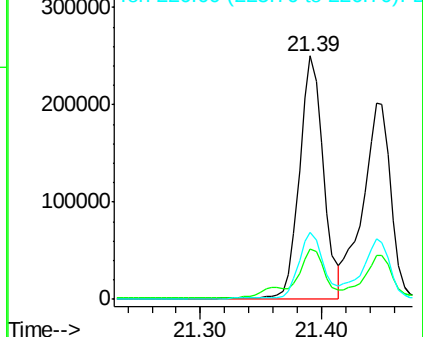
228 100

229 20.5 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: 6.25 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

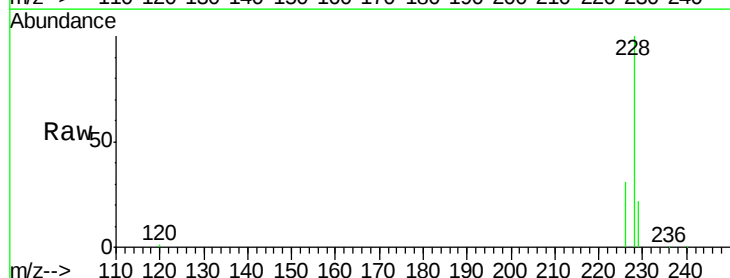
Tgt Ion:228 Resp: 323548

Ion Ratio Lower Upper

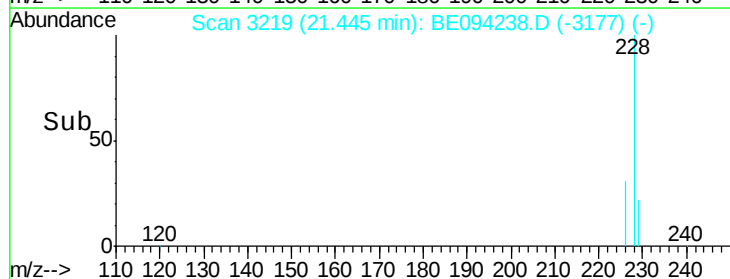
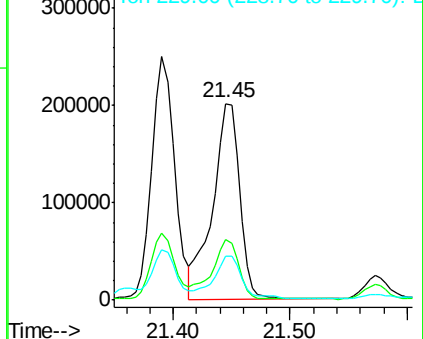
228 100

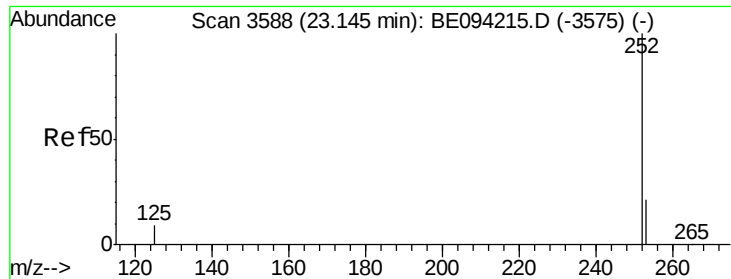
226 31.1 23.4 35.0

229 22.2 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: 0.17 ng/ul

RT: 23.15 min Scan# 3591

Delta R.T. 0.00 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

Instrument :

BNA_E

ClientSampleId :

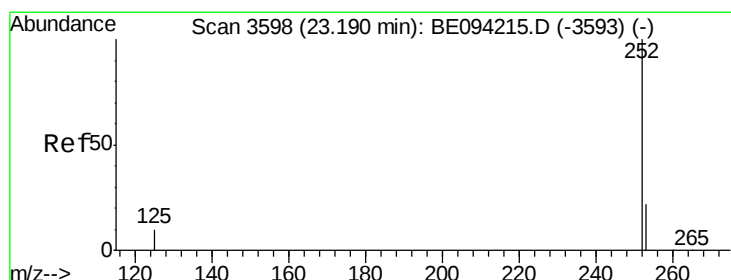
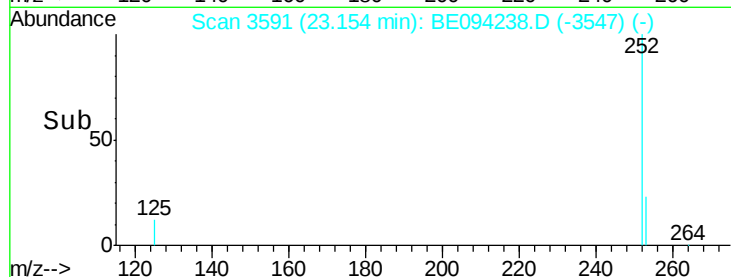
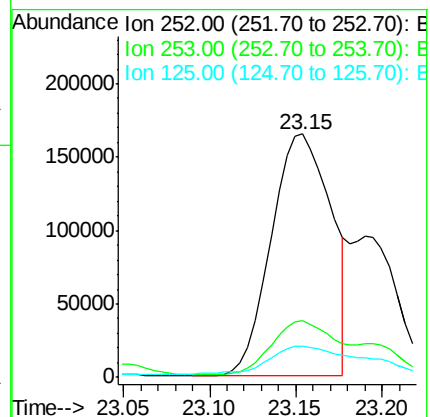
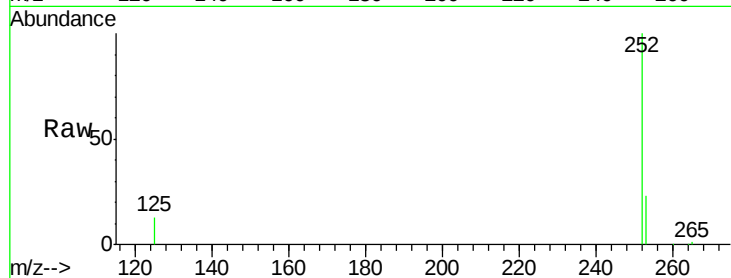
Tot Ion:252 Resp: 397889

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

125 13.0 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.15 ng/ul

RT: 23.15 min Scan# 3591

Delta R.T. -0.05 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

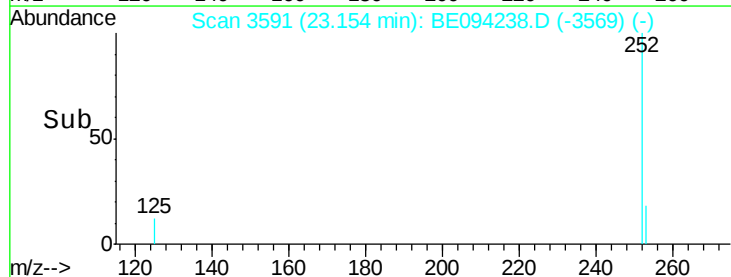
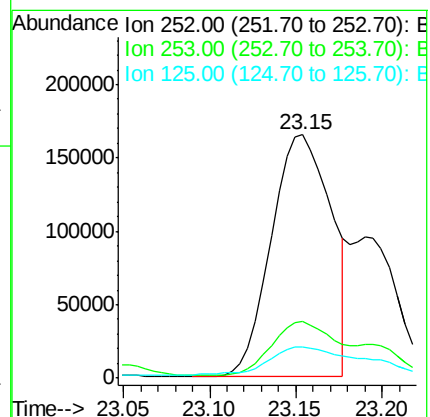
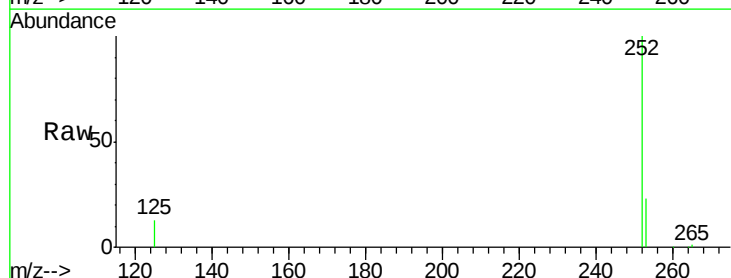
Tgt Ion:252 Resp: 397889

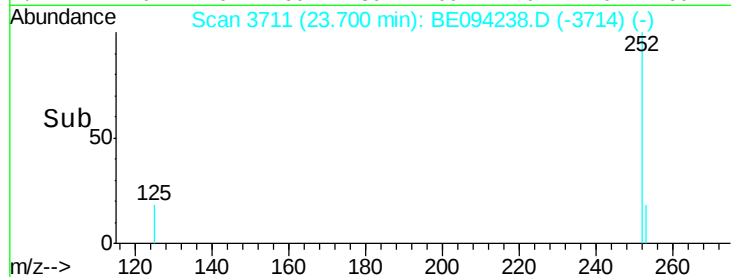
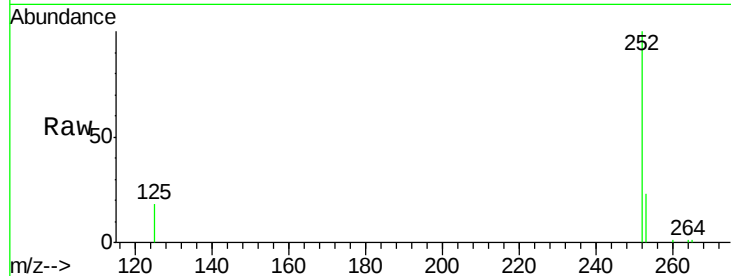
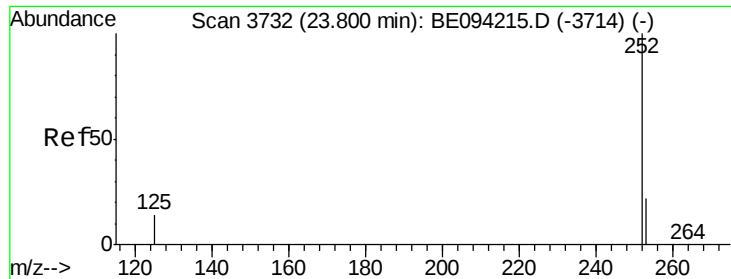
Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

125 13.0 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.70 min Scan# 3711

Delta R.T. -0.11 min

Lab File: BE094238.D

Acq: 10 Oct 2017 1:46

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 252 Resp: 210015

Ion Ratio Lower Upper

252 100

253 23.2 28.5 42.7#

125 18.1 18.1 27.1

