

Data File : BE093361.D
Acq On : 24 Jun 2017 14:37
Operator : SJ/JU
Sample : I3625-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A00

Quant Time: Jun 26 01:14:47 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 01:13:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1313	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7008	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4494	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	10684	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11907	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	598698	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	2676	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	8637	0.30	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	8233	0.47	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	5035	0.42	ng/ul	98
7) Acenaphthylene	14.08	152	20791	1.08	ng/ul	98
8) Acenaphthene	14.42	153	14103	0.91	ng/ul	98
9) Fluorene	15.41	166	20649	1.13	ng/ul	91
12) Phenanthrene	17.14	178	551247	18.75	ng/ul#	89
13) Anthracene	17.22	178	106468	4.16	ng/ul#	90
15) Fluoranthene	19.15	202	1047251	29.05	ng/ul	84
17) Pyrene	19.52	202	999085	28.45	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	505818	15.93	ng/ul#	86
19) Chrysene	21.29	228	522902	15.87	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	547577	0.30	ng/ul	88
22) Benzo(k)fluoranthene	22.94	252	738094	0.38	ng/ul#	90
23) Benzo(a)pyrene	23.45	252	271807	0.16	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.91	276	31398	0.02	ng/ul#	77
26) Benzo(g,h,i)perylene	26.96	276	186309	0.11	ng/ul	97

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

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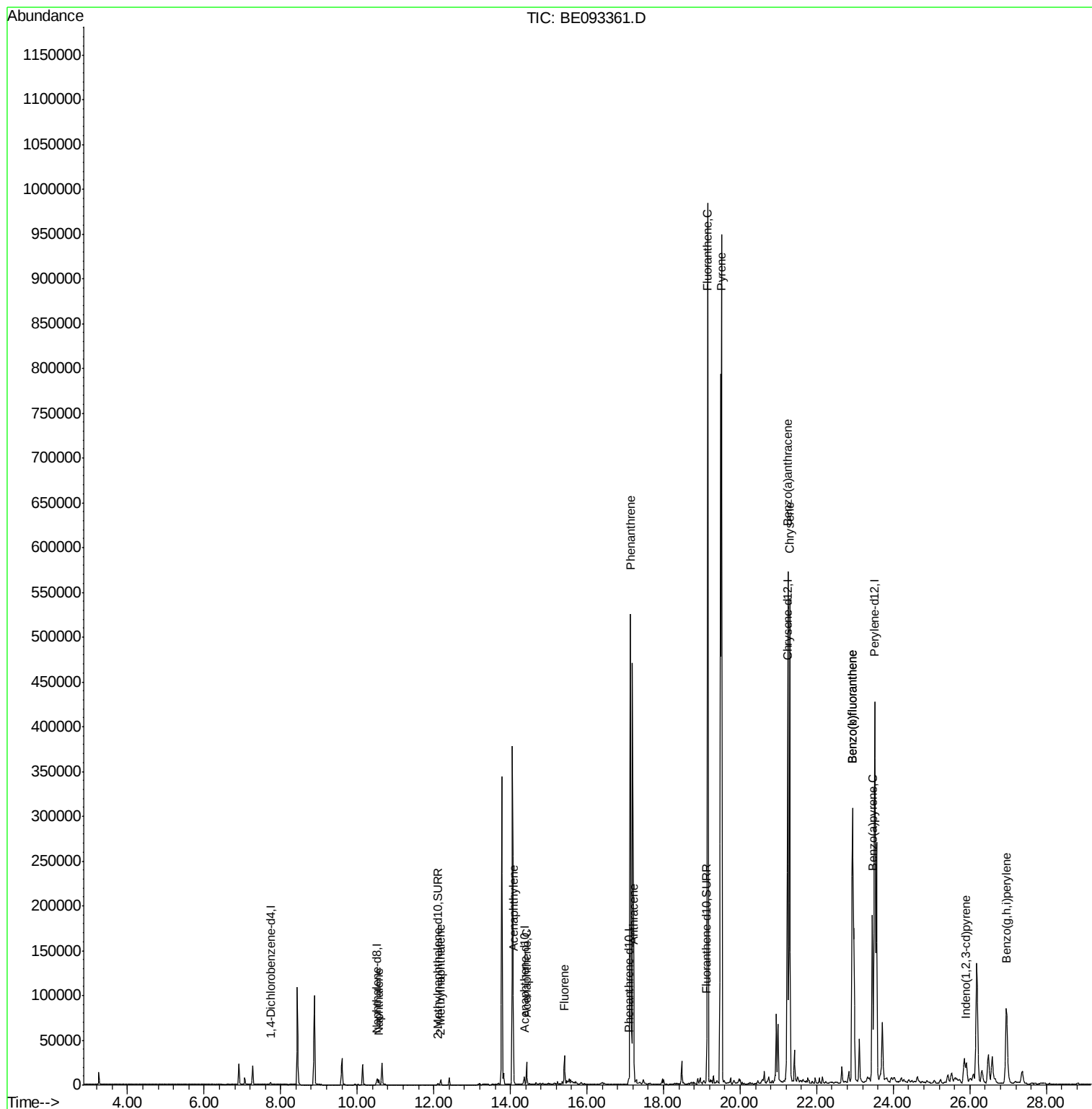
Quant Time: Jun 26 01:14:47 2017

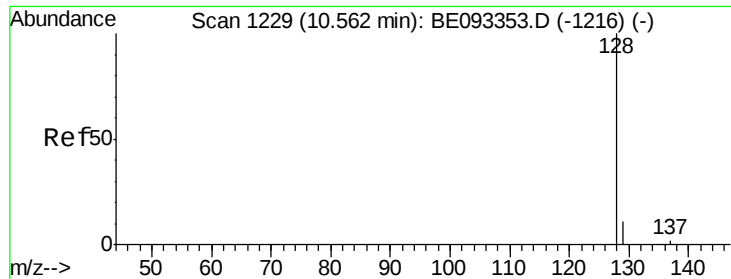
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 26 01:13:30 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.47 ng/ul

RT: 10.56 min Scan# 1228

Delta R.T. -0.00 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

Instrument :

BNA_E

ClientSampleId :

F5A00

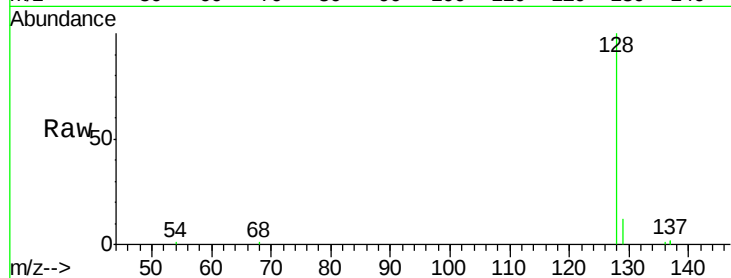
Tgt Ion:128 Resp: 8233

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

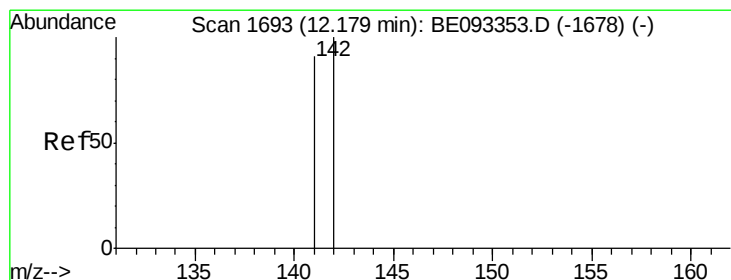
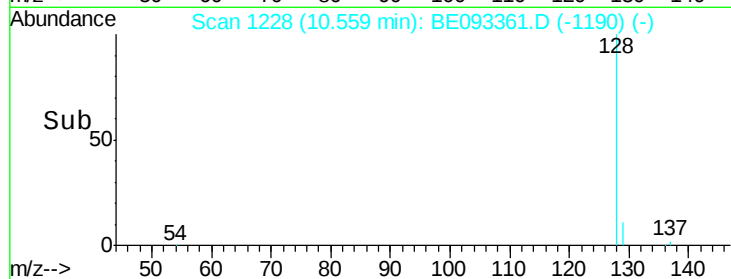
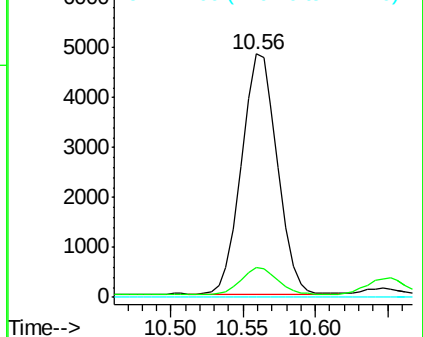
127 0.0 4.0 6.0#



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: 0.42 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093361.D

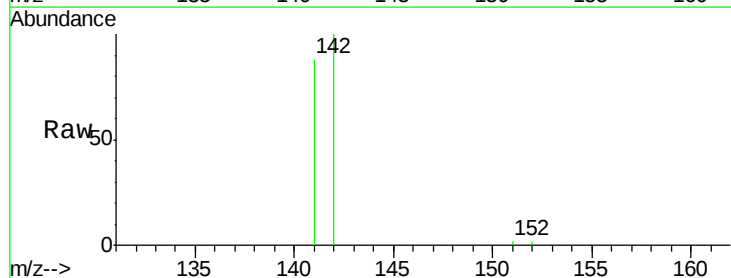
Acq: 24 Jun 2017 14:37

Tgt Ion:142 Resp: 5035

Ion Ratio Lower Upper

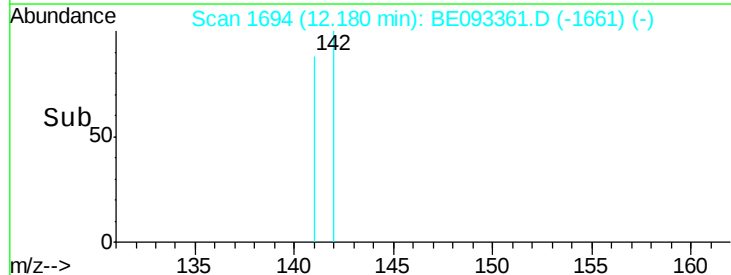
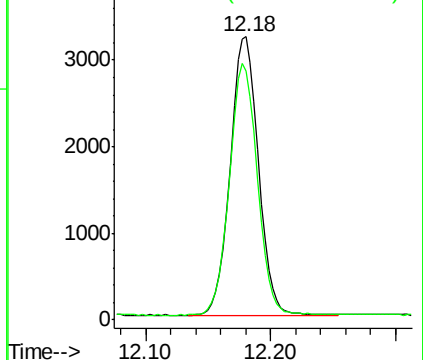
142 100

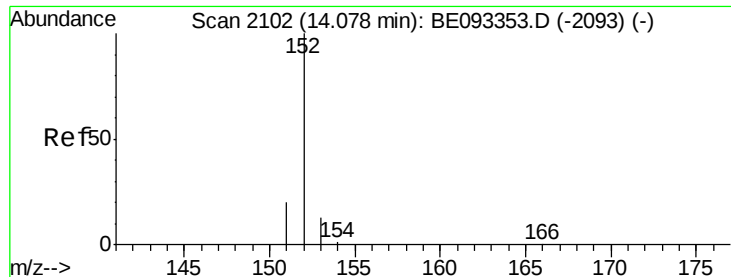
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.08 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

Instrument :

BNA_E

ClientSampleId :

F5A00

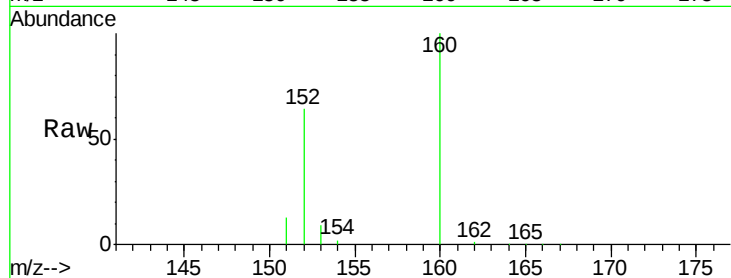
Tgt Ion:152 Resp: 20791

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

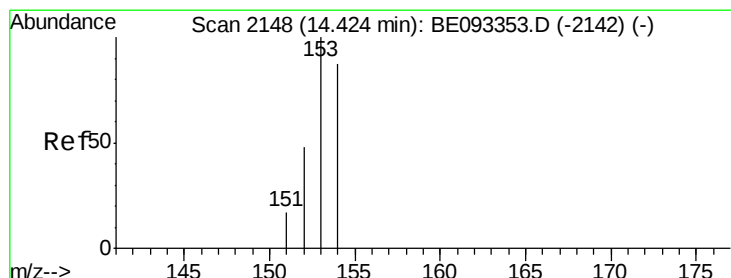
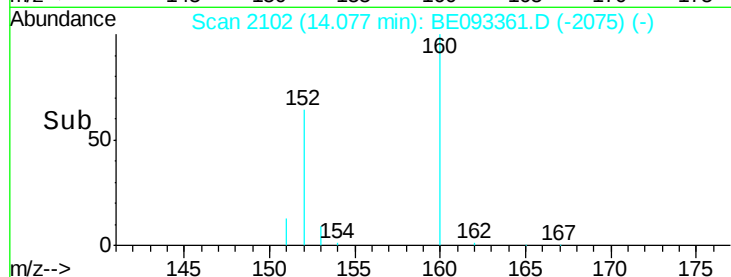
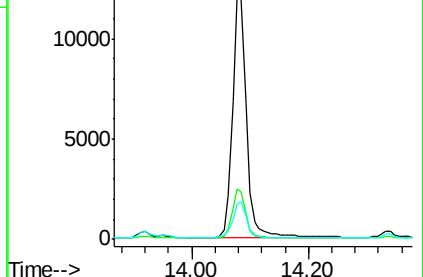
153 14.6 12.8 19.2



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: 0.91 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

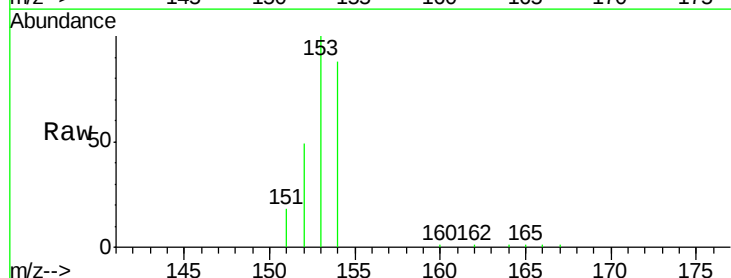
Tgt Ion:153 Resp: 14103

Ion Ratio Lower Upper

153 100

152 48.8 40.3 60.5

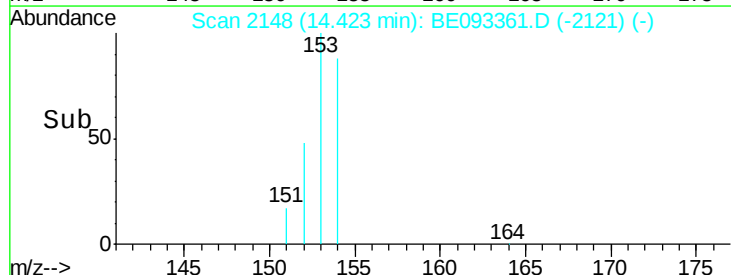
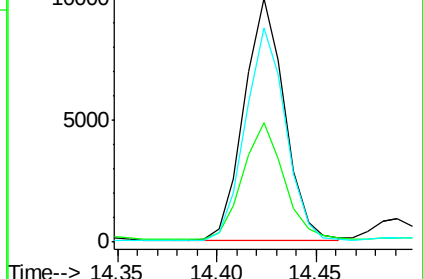
154 88.0 71.4 107.2

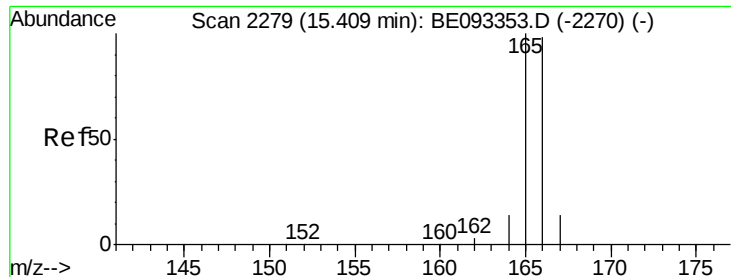


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

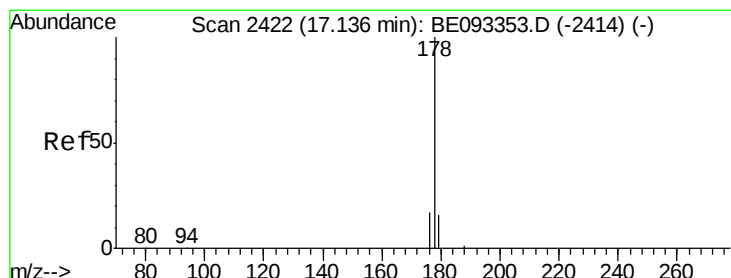
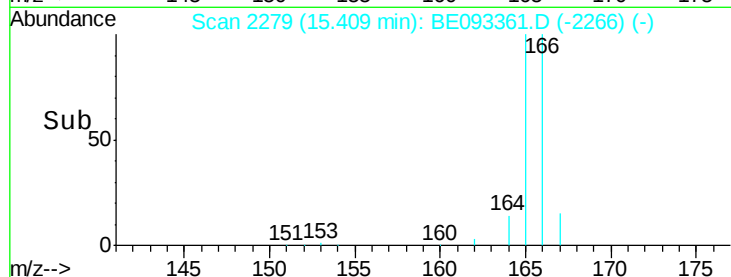
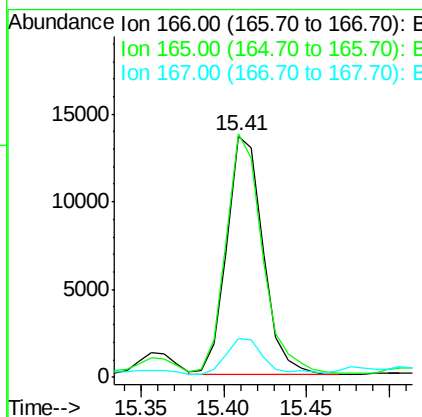
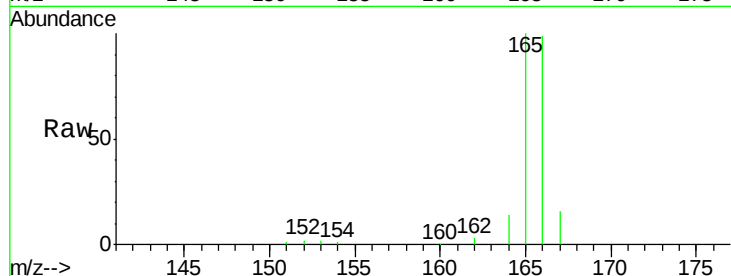




#9
Fluorene
 Concen: 1.13 ng/ul
 RT: 15.41 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BE093361.D
 Acq: 24 Jun 2017 14:37

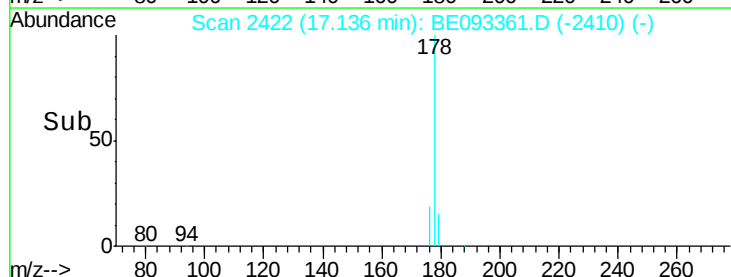
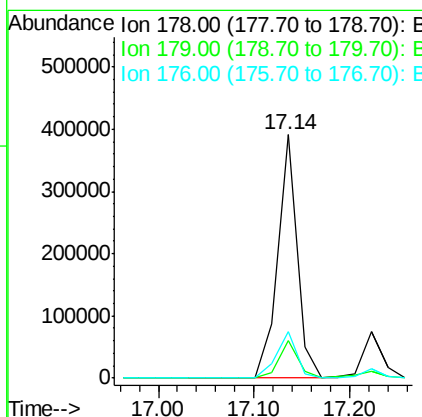
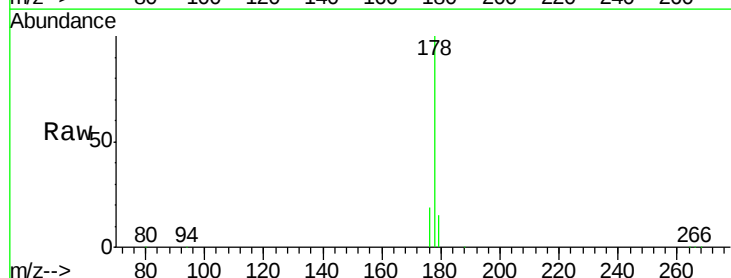
Instrument :
 BNA_E
 ClientSampleId :
 F5A00

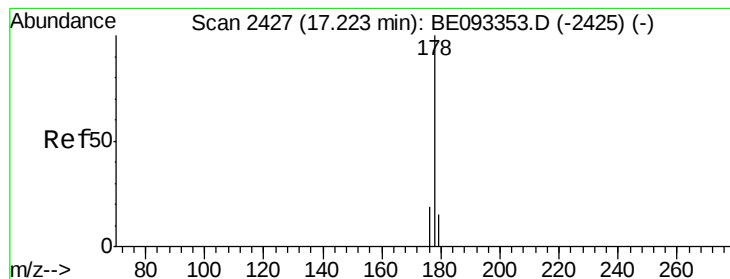
Tgt Ion:166 Resp: 20649
 Ion Ratio Lower Upper
 166 100
 165 100.9 73.4 110.2
 167 16.2 14.6 22.0



#12
Phenanthrene
 Concen: 18.75 ng/ul
 RT: 17.14 min Scan# 2422
 Delta R.T. -0.00 min
 Lab File: BE093361.D
 Acq: 24 Jun 2017 14:37

Tgt Ion:178 Resp: 551247
 Ion Ratio Lower Upper
 178 100
 179 15.4 18.4 27.6#
 176 18.9 13.6 20.4





#13

Anthracene

Concen: 4.16 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

Instrument :

BNA_E

ClientSampleId :

F5A00

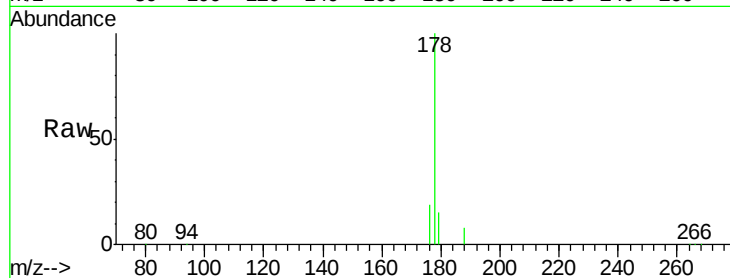
Tgt Ion:178 Resp: 106468

Ion Ratio Lower Upper

178 100

179 14.5 18.1 27.1#

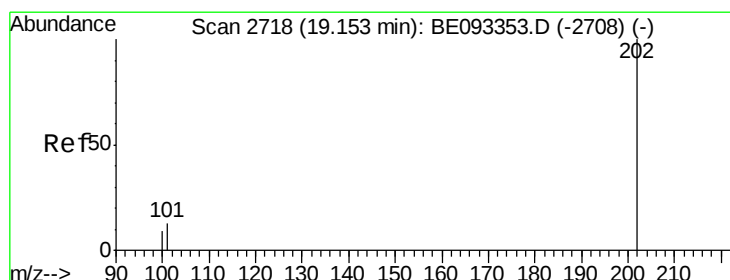
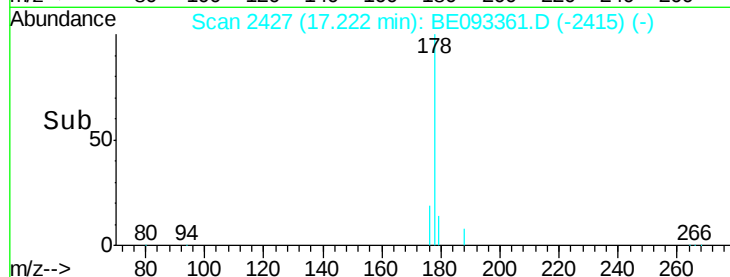
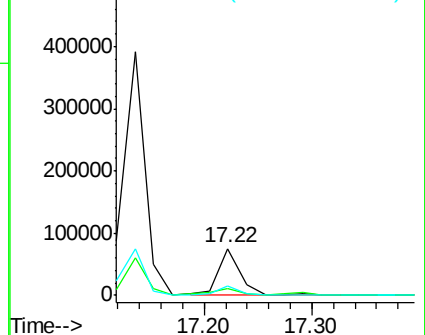
176 19.2 14.7 22.1



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: 29.05 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

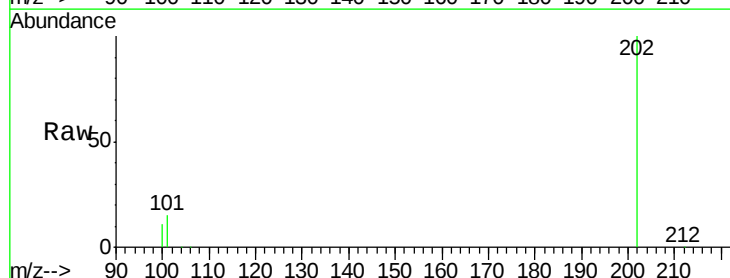
Tgt Ion:202 Resp: 1047251

Ion Ratio Lower Upper

202 100

101 14.7 0.0 30.3

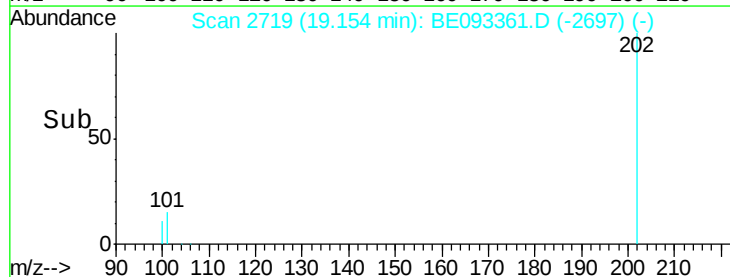
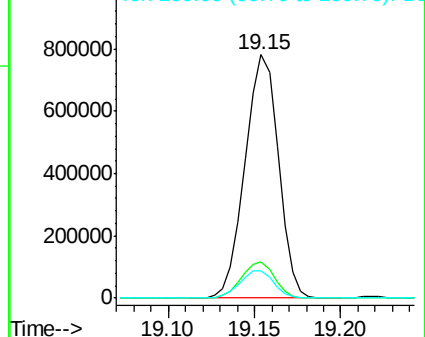
100 11.1 0.0 39.5

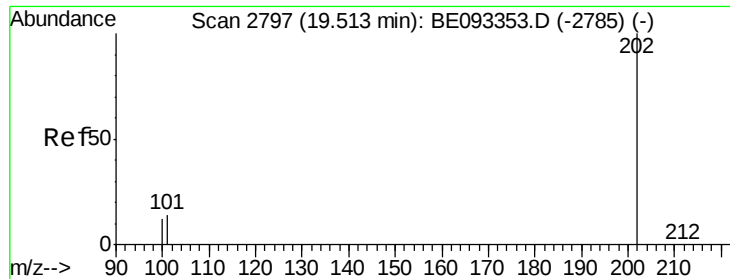


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

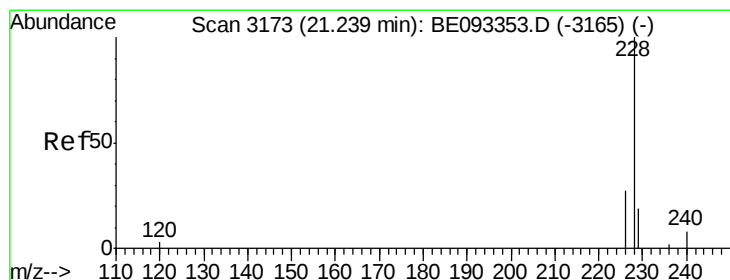
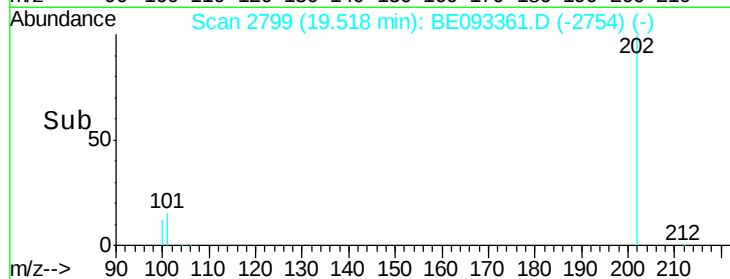
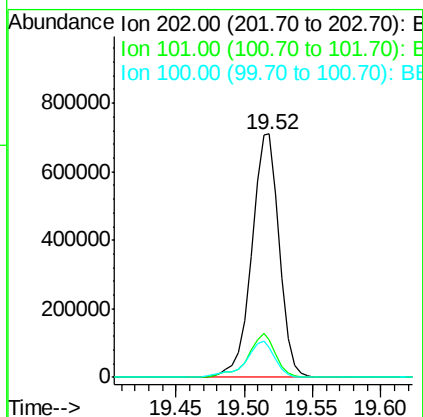
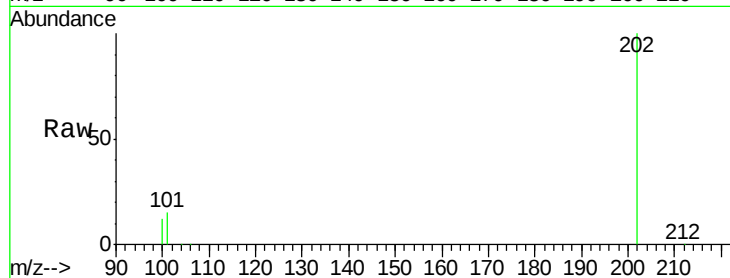




#17
 Pyrene
 Concen: 28.45 ng/ul
 RT: 19.52 min Scan# 2799
 Delta R.T. 0.01 min
 Lab File: BE093361.D
 Acq: 24 Jun 2017 14:37

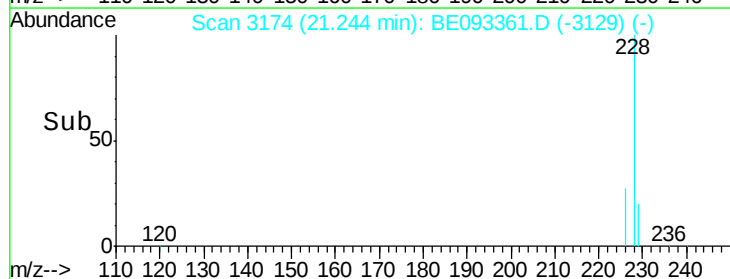
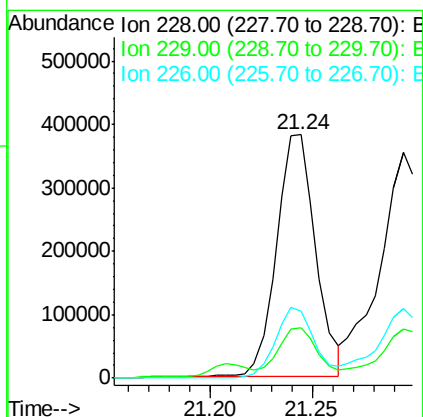
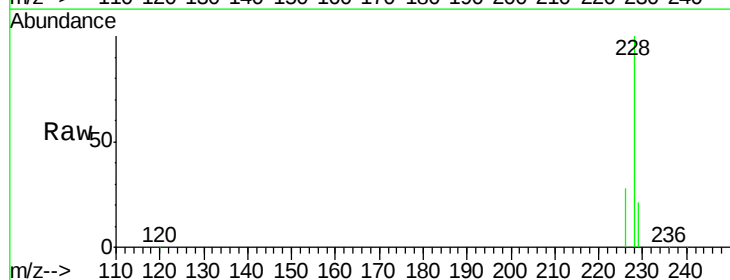
Instrument :
 BNA_E
 ClientSampleId :
 F5A00

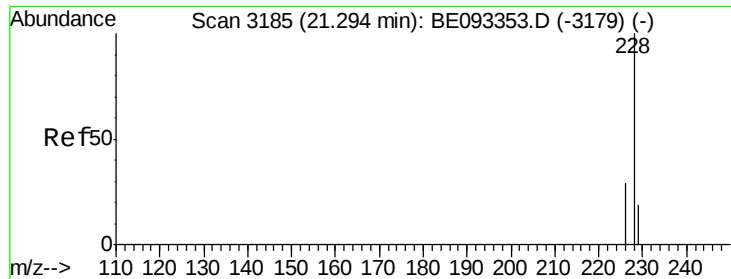
Tgt Ion:202 Resp: 999085
 Ion Ratio Lower Upper
 202 100
 101 15.3 18.2 27.4#
 100 12.2 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 15.93 ng/ul
 RT: 21.24 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: BE093361.D
 Acq: 24 Jun 2017 14:37

Tgt Ion:228 Resp: 505818
 Ion Ratio Lower Upper
 228 100
 229 20.9 22.8 34.2#
 226 27.6 17.0 25.6#





#19

Chrysene

Concen: 15.87 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

Instrument :

BNA_E

ClientSampled :

F5A00

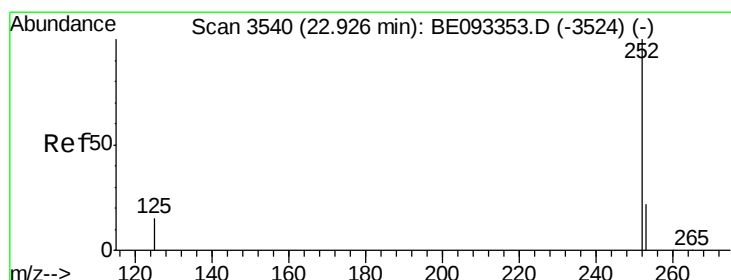
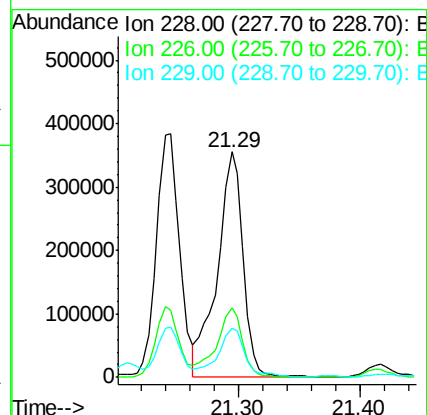
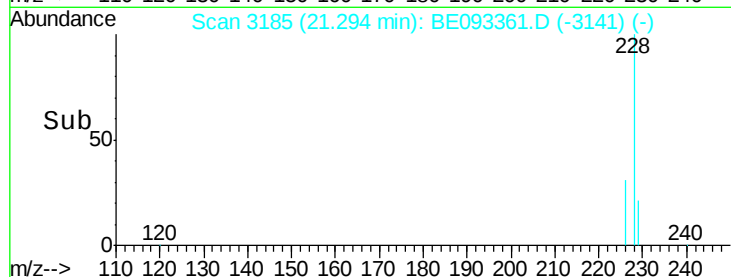
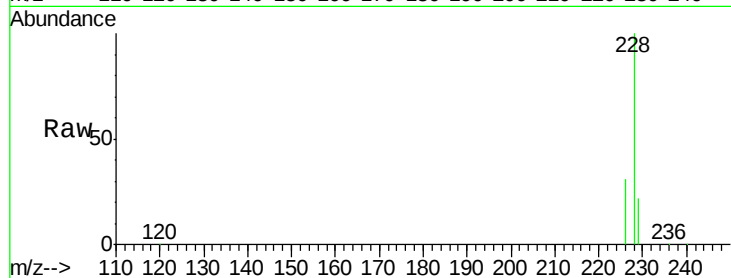
Tgt Ion:228 Resp: 522902

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 21.8 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.30 ng/ul

RT: 22.94 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

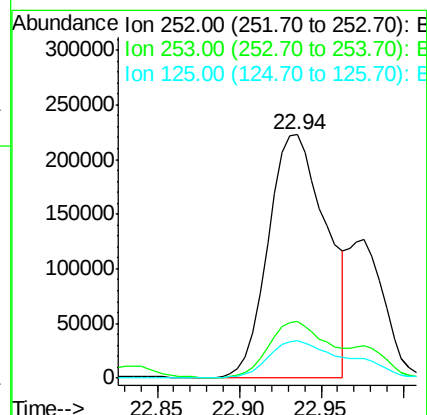
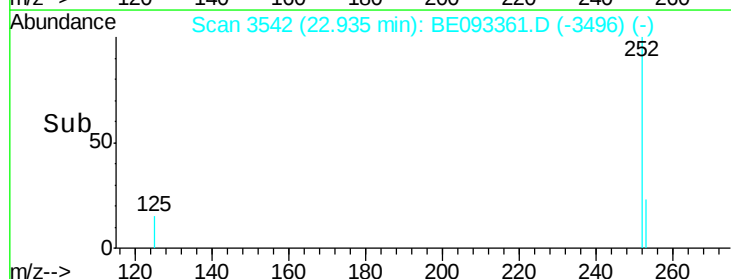
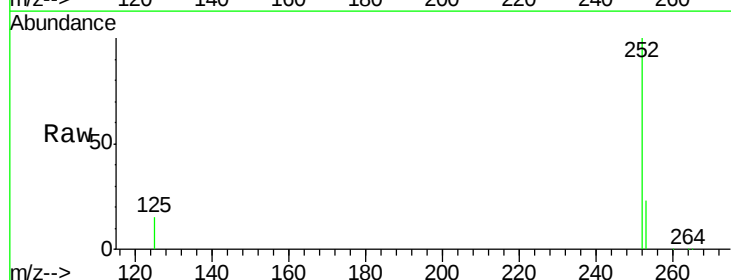
Tgt Ion:252 Resp: 547577

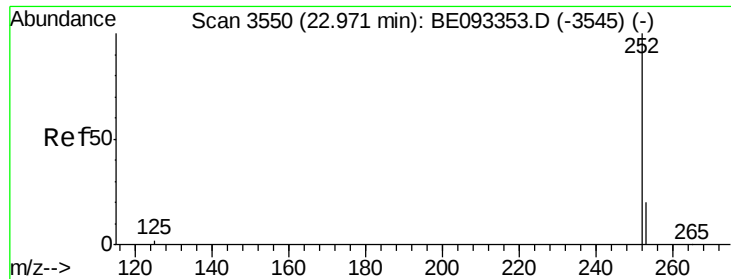
Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

125 15.2 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 22.94 min Scan# 3542

Delta R.T. -0.04 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

Instrument :

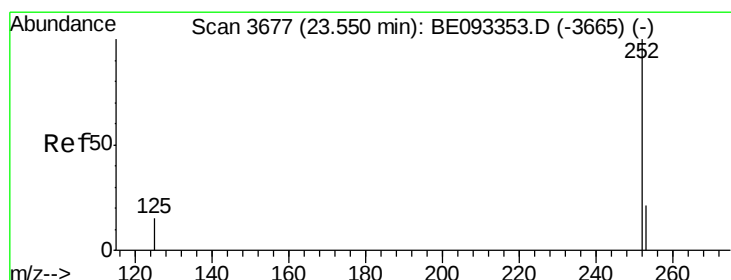
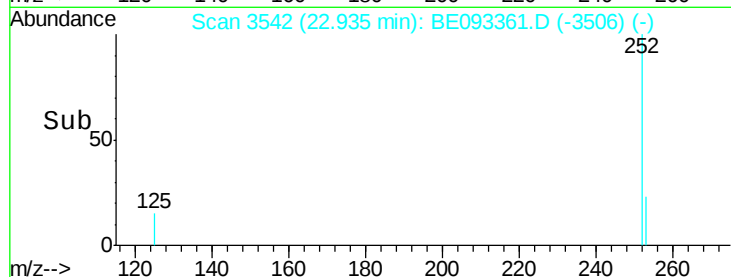
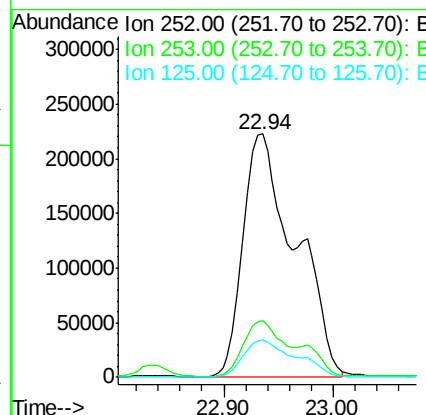
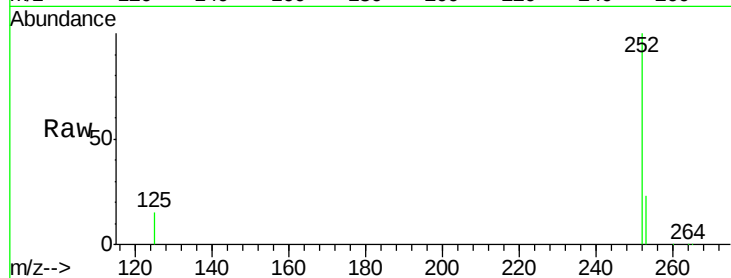
BNA_E

ClientSampleId :

F5A00

Tgt Ion:252 Resp: 738094

Ion	Ratio	Lower	Upper
252	100		
253	23.2	24.5	36.7#
125	15.2	13.7	20.5



#23

Benzo(a)pyrene

Concen: 0.16 ng/ul

RT: 23.45 min Scan# 3656

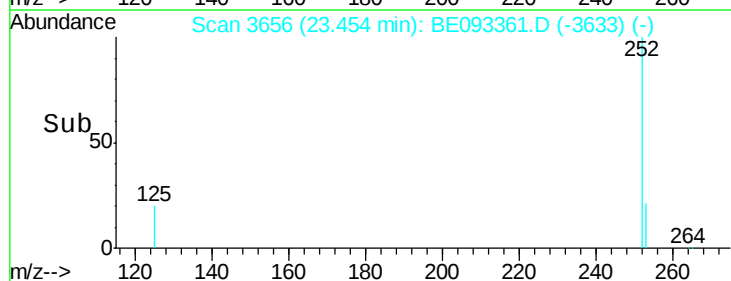
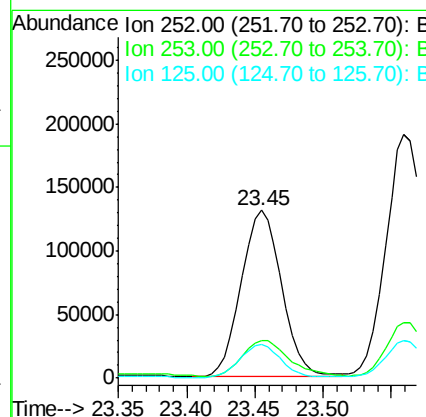
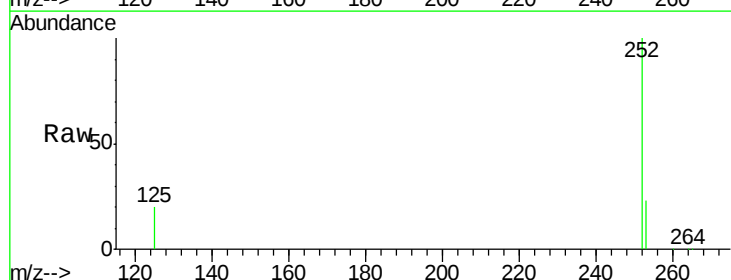
Delta R.T. -0.10 min

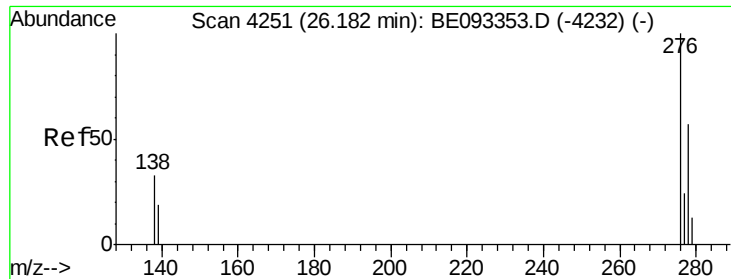
Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

Tgt Ion:252 Resp: 271807

Ion	Ratio	Lower	Upper
252	100		
253	22.7	28.5	42.7#
125	20.1	18.1	27.1





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng/ul

RT: 25.91 min Scan# 4192

Delta R.T. -0.27 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

Instrument :

BNA_E

ClientSampleId :

F5A00

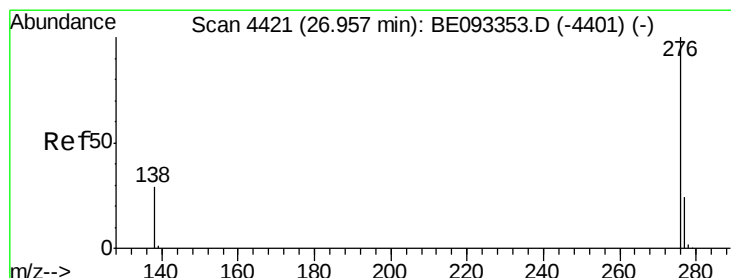
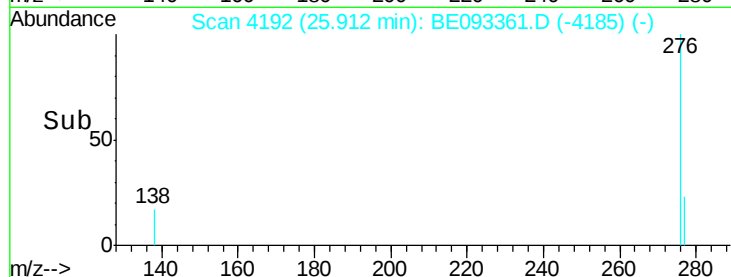
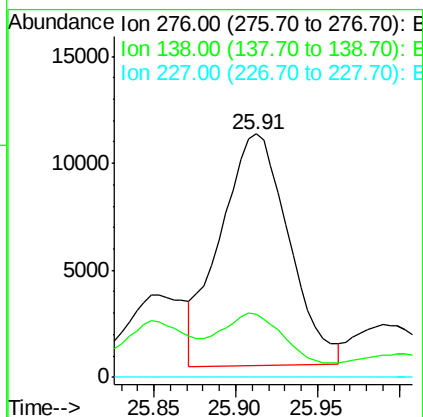
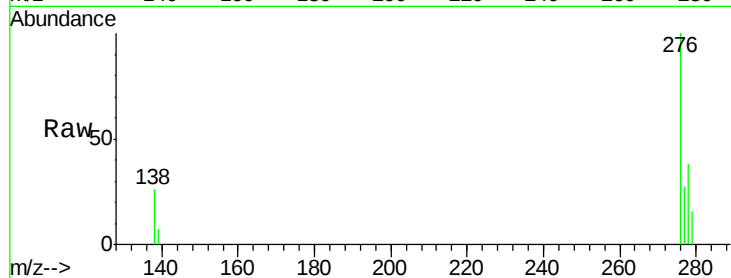
Tgt Ion:276 Resp: 31398

Ion Ratio Lower Upper

276 100

138 22.2 28.0 42.0#

227 0.0 8.0 12.0#



#26

Benzo(g,h,i)perylene

Concen: 0.11 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. -0.00 min

Lab File: BE093361.D

Acq: 24 Jun 2017 14:37

Tgt Ion:276 Resp: 186309

Ion Ratio Lower Upper

276 100

138 29.4 21.8 32.8

277 24.3 20.5 30.7

