

Data File : BE093338.D
Acq On : 23 Jun 2017 15:09
Operator : SJ/JU
Sample : I3625-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A82

Quant Time: Jun 24 03:58:56 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 24 03:58:33 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1603	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	8756	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5444	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12964	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13745	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	13331	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	2014	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	5441	0.15	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	3183	0.15	ng/ul#	94
5) 2-Methylnaphthalene	12.18	142	769	0.05	ng/ul	100
7) Acenaphthylene	14.08	152	29819	1.28	ng/ul	96
8) Acenaphthene	14.42	153	544	0.03	ng/ul#	89
9) Fluorene	15.41	166	1005	0.05	ng/ul#	91
12) Phenanthrene	17.13	178	15841	0.44	ng/ul#	92
13) Anthracene	17.22	178	27660	0.89	ng/ul#	90
15) Fluoranthene	19.15	202	92635	2.12	ng/ul	84
17) Pyrene	19.51	202	161355	3.98	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	103120	2.81	ng/ul#	84
19) Chrysene	21.29	228	137363	3.61	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	444653	10.99	ng/ul	87
22) Benzo(k)fluoranthene	23.11	252	42072	0.98	ng/ul	94
23) Benzo(a)pyrene	23.55	252	163873	4.28	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.18	276	140265	3.17	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.09	278	4732	0.13	ng/ul	95
26) Benzo(g,h,i)perylene	26.95	276	103586	2.73	ng/ul	97

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

Data File : BE093338.D

Acq On : 23 Jun 2017 15:09

Operator : SJ/JU

Sample : I3625-01

Misc :

ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

F5A82

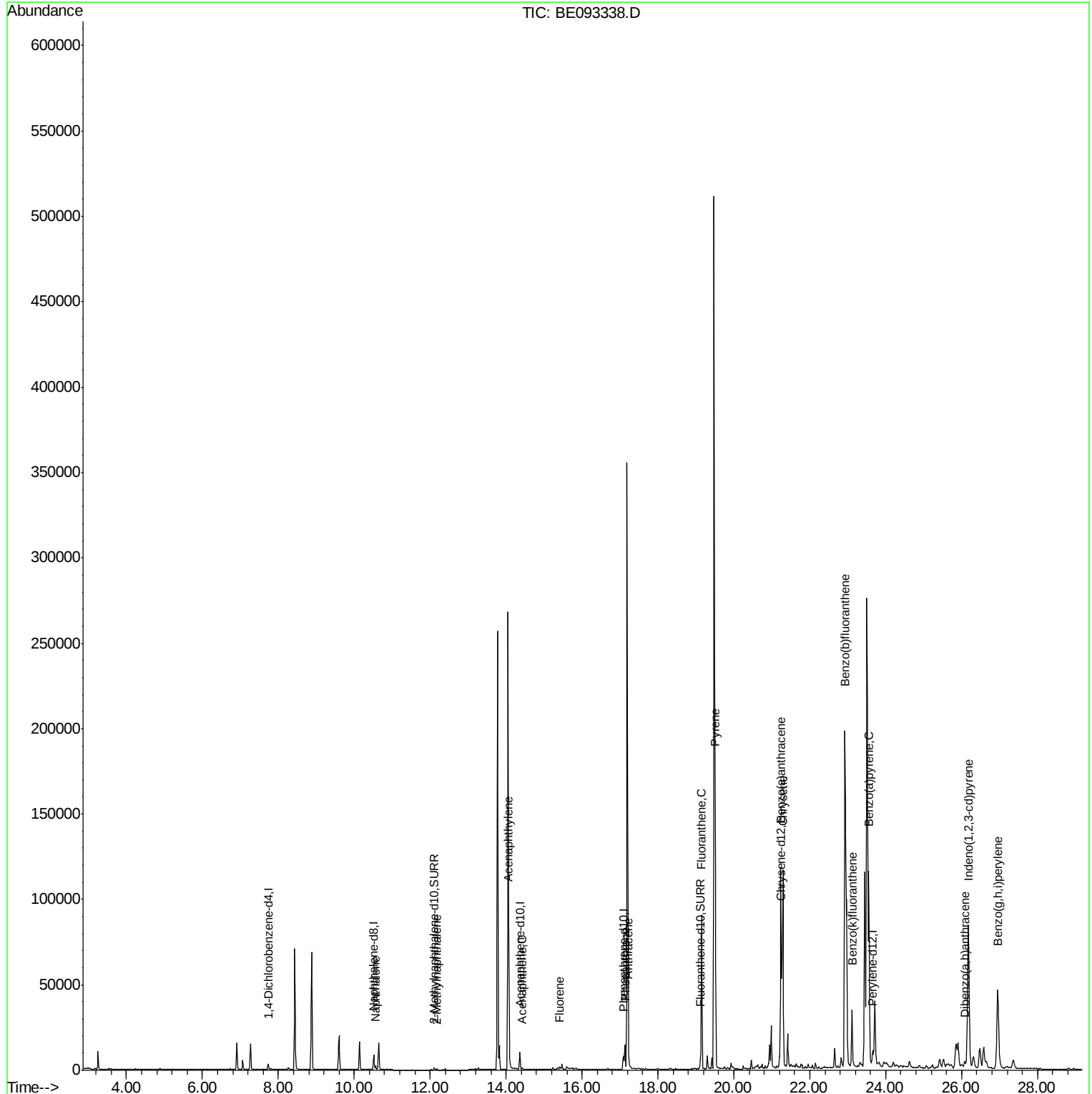
Quant Time: Jun 24 03:58:56 2017

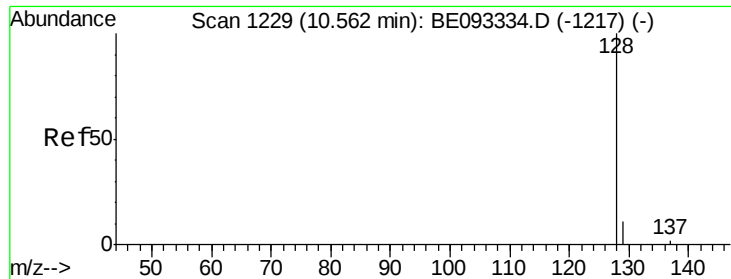
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 24 03:58:33 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.15 ng/ul

RT: 10.56 min Scan# 1228

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

ClientSampleId :

F5A82

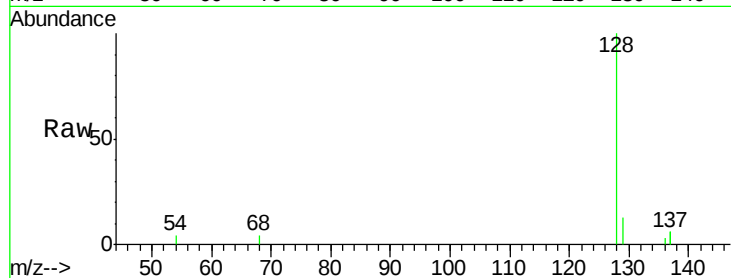
Tgt Ion:128 Resp: 3183

Ion Ratio Lower Upper

128 100

129 12.9 11.3 16.9

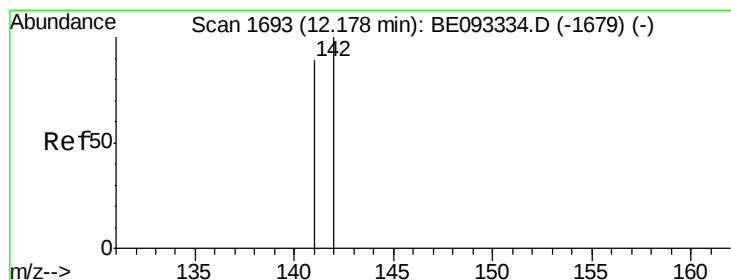
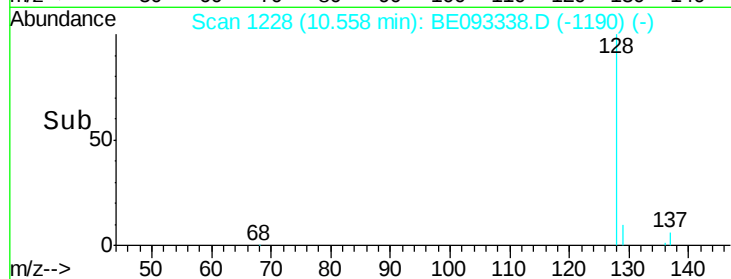
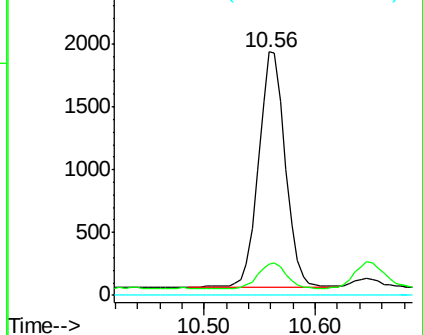
127 0.0 4.0 6.0#



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: 0.05 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. 0.00 min

Lab File: BE093338.D

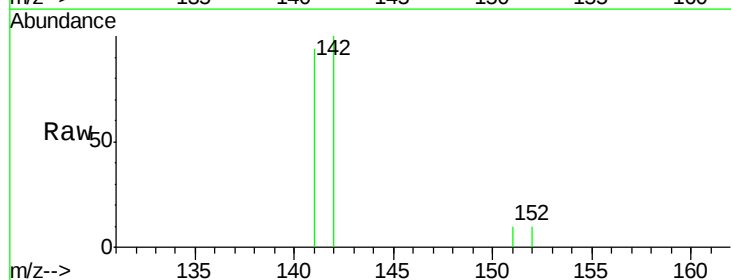
Acq: 23 Jun 2017 15:09

Tgt Ion:142 Resp: 769

Ion Ratio Lower Upper

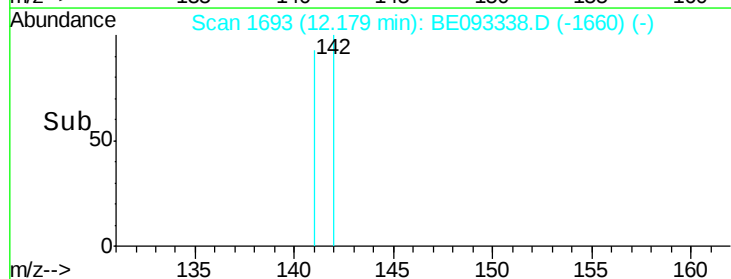
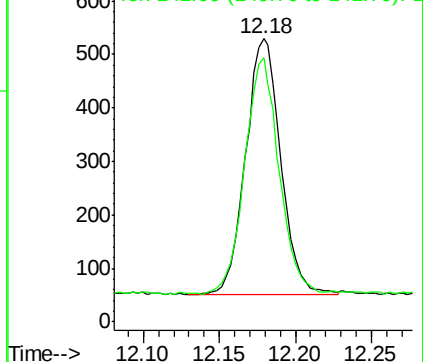
142 100

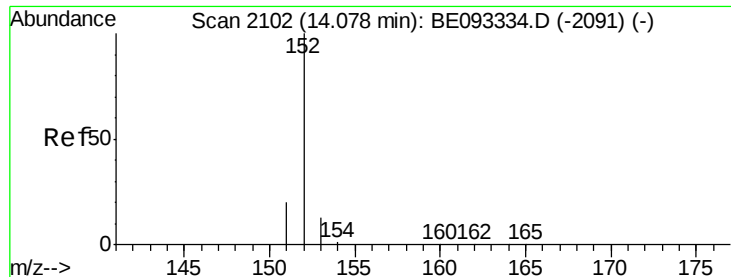
141 91.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.28 ng/ul

RT: 14.08 min Scan# 2101

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

ClientSampleId :

F5A82

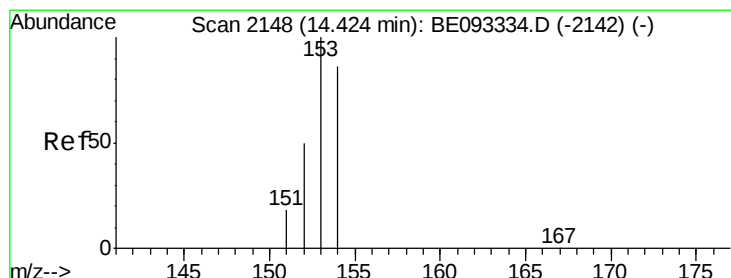
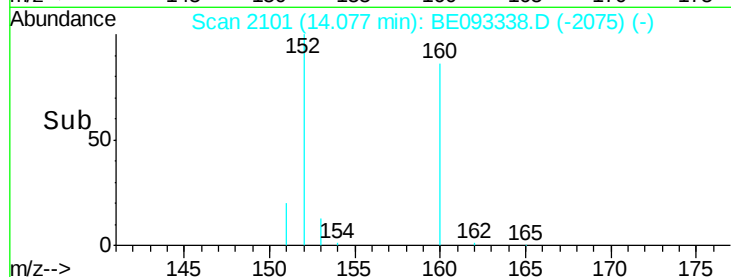
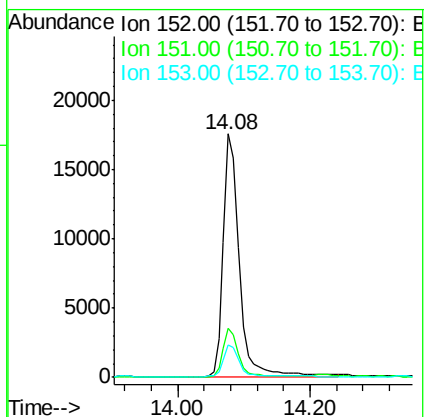
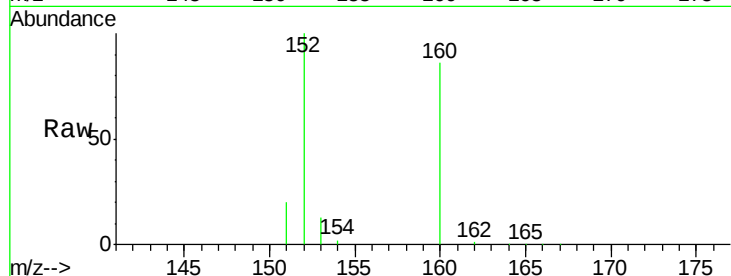
Tgt Ion:152 Resp: 29819

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

153 13.4 12.8 19.2



#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.42 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

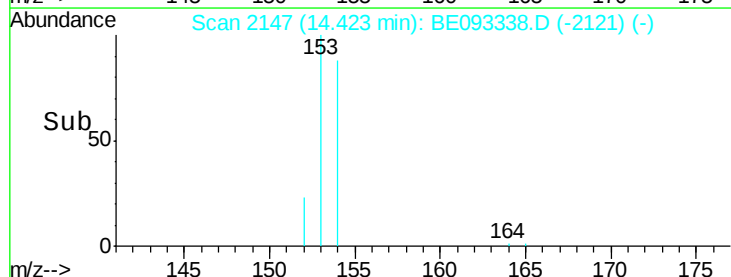
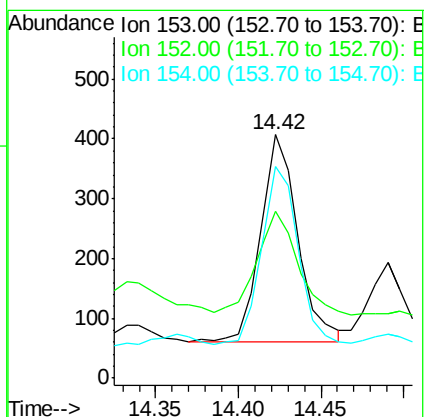
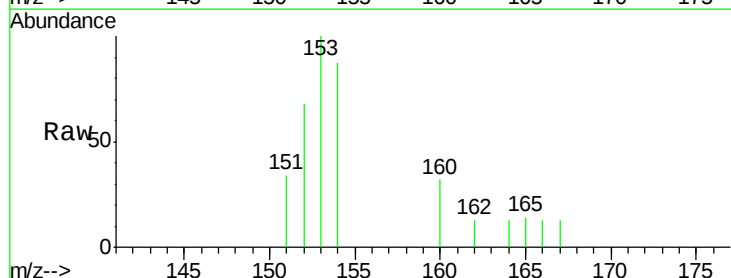
Tgt Ion:153 Resp: 544

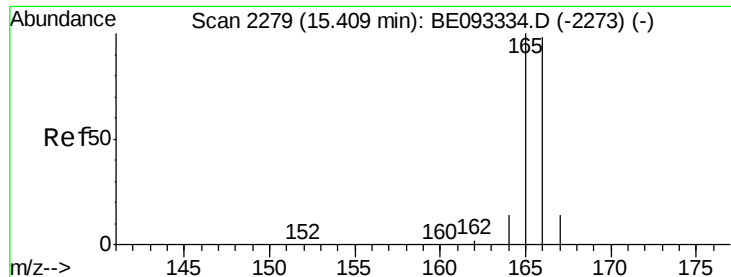
Ion Ratio Lower Upper

153 100

152 68.3 40.3 60.5#

154 86.7 71.4 107.2





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.41 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

ClientSampleId :

F5A82

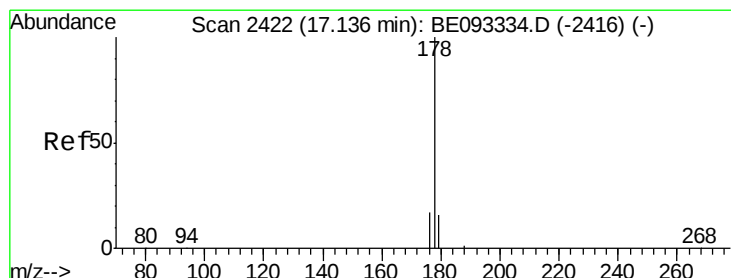
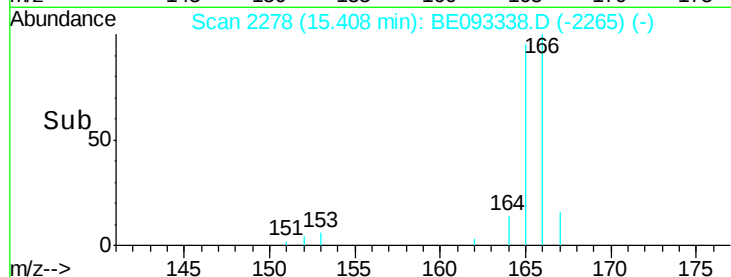
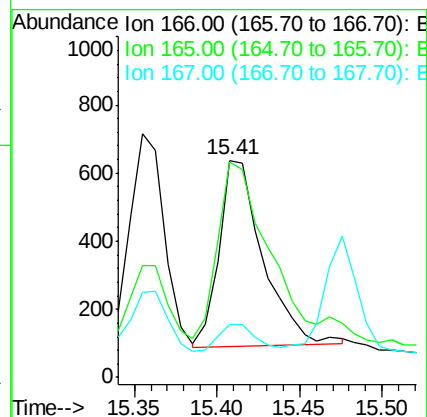
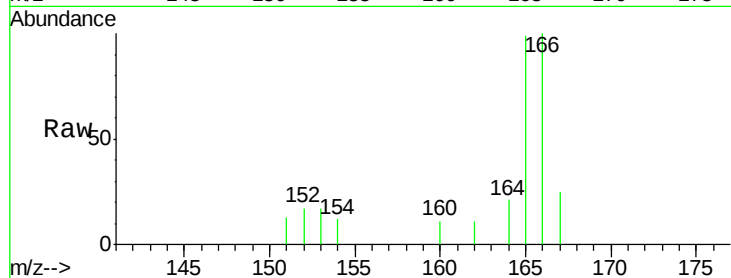
Tgt Ion:166 Resp: 1005

Ion Ratio Lower Upper

166 100

165 99.1 73.4 110.2

167 24.6 14.6 22.0#



#12

Phenanthrene

Concen: 0.44 ng/ul

RT: 17.13 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

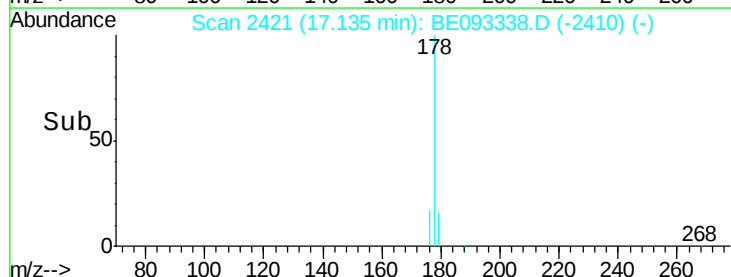
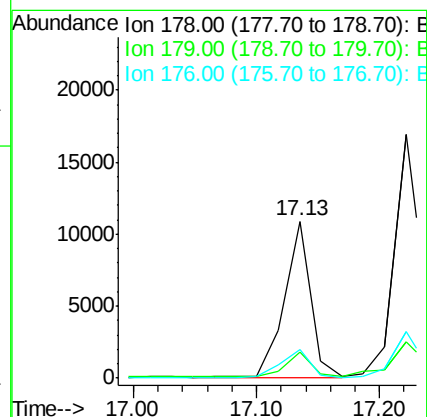
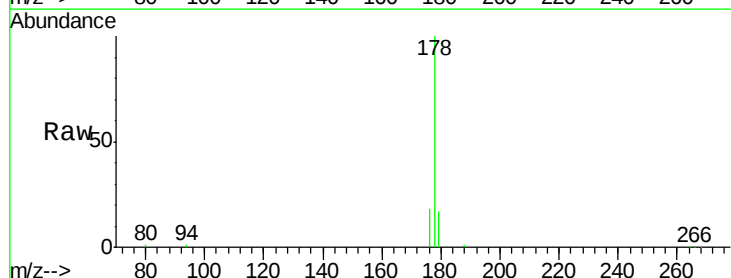
Tgt Ion:178 Resp: 15841

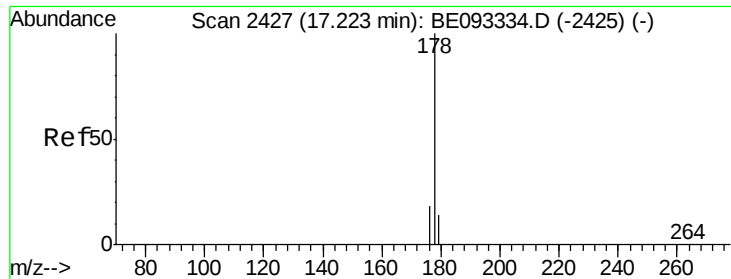
Ion Ratio Lower Upper

178 100

179 16.7 18.4 27.6#

176 17.8 13.6 20.4





#13

Anthracene

Concen: 0.89 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

ClientSampleId :

F5A82

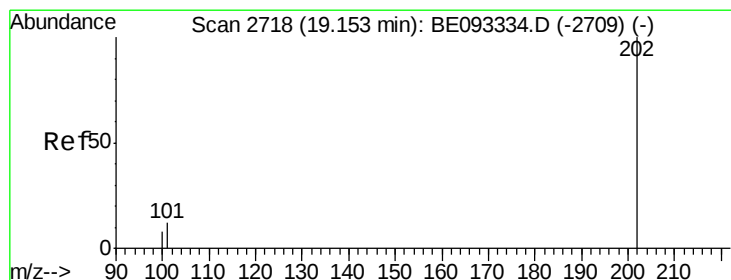
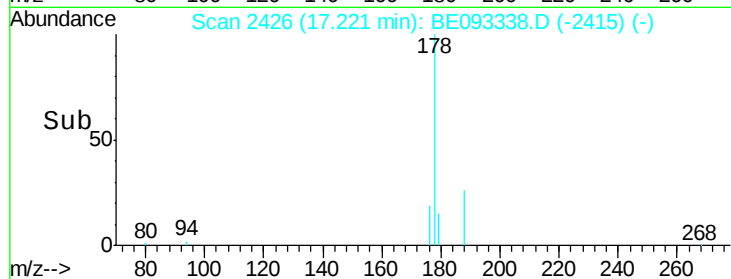
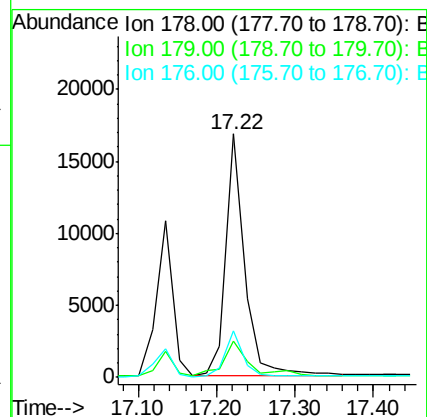
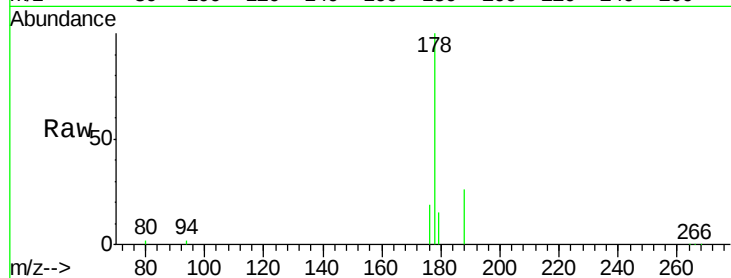
Tgt Ion:178 Resp: 27660

Ion Ratio Lower Upper

178 100

179 15.0 18.1 27.1#

176 19.3 14.7 22.1



#15

Fluoranthene

Concen: 2.12 ng/ul

RT: 19.15 min Scan# 2717

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

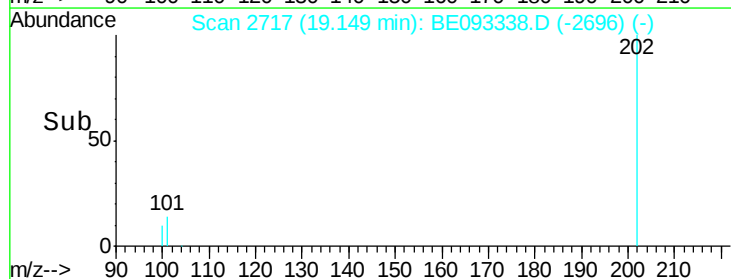
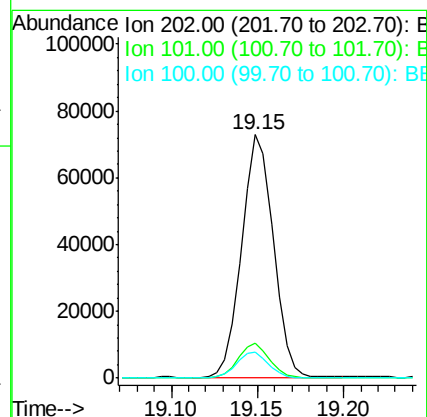
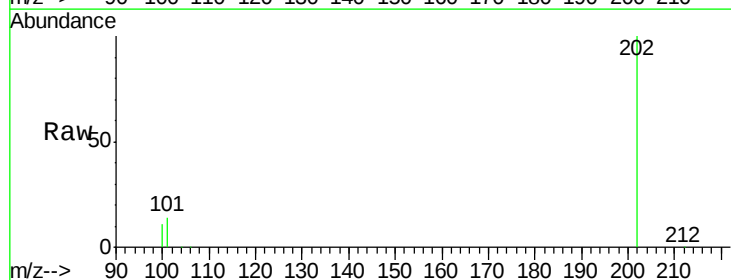
Tgt Ion:202 Resp: 92635

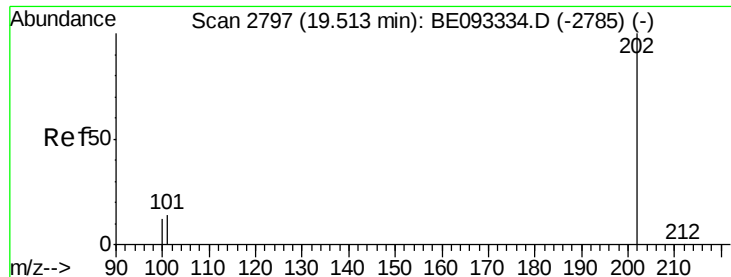
Ion Ratio Lower Upper

202 100

101 14.1 0.0 30.3

100 10.5 0.0 39.5





#17

Pyrene

Concen: 3.98 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

ClientSampleId :

F5A82

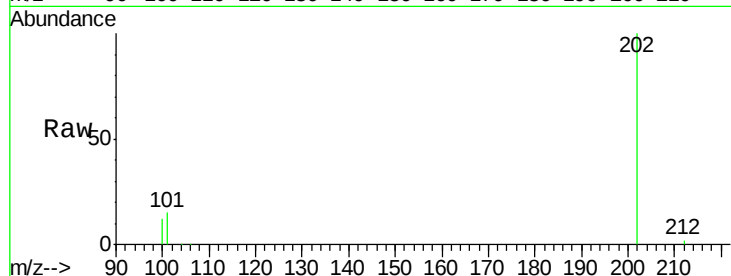
Tgt Ion:202 Resp: 161355

Ion Ratio Lower Upper

202 100

101 14.6 18.2 27.4#

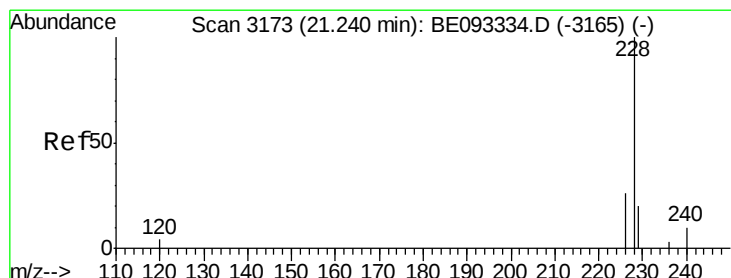
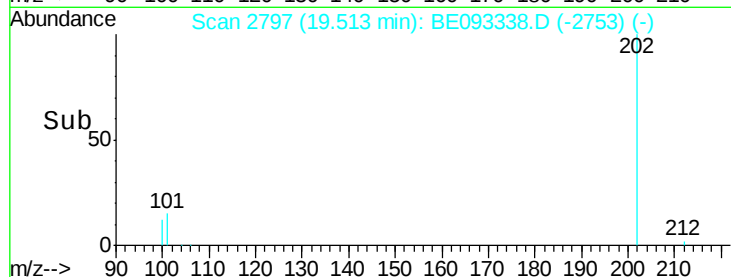
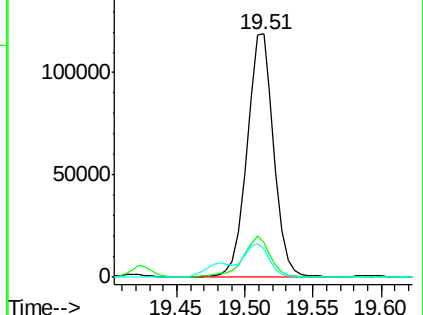
100 11.7 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 2.81 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

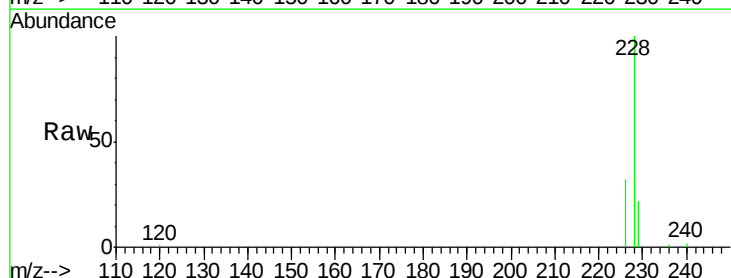
Tgt Ion:228 Resp: 103120

Ion Ratio Lower Upper

228 100

229 22.0 22.8 34.2#

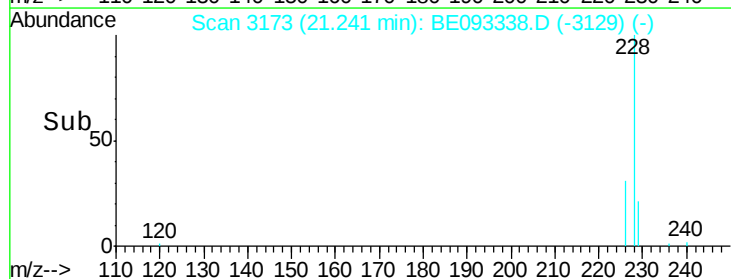
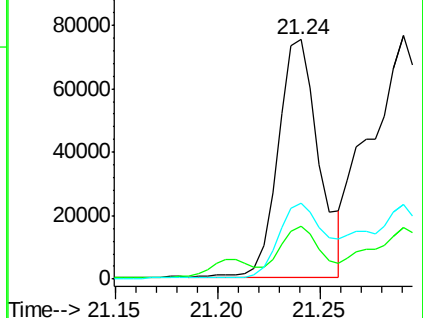
226 31.5 17.0 25.6#

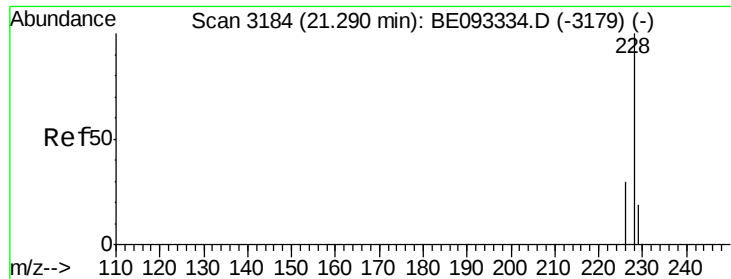


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.61 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. 0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

ClientSampleId :

F5A82

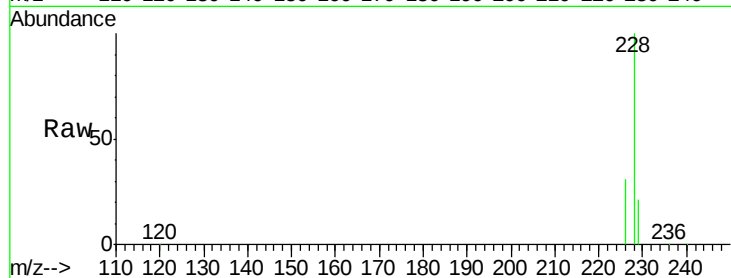
Tgt Ion:228 Resp: 137363

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

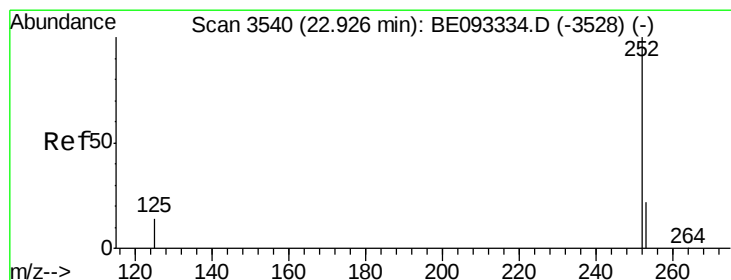
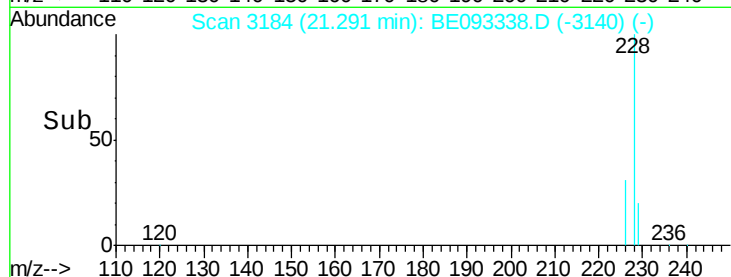
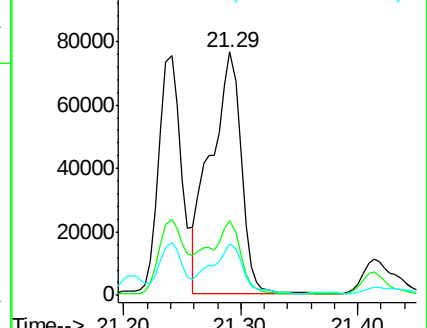
229 20.9 17.7 26.5



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: 10.99 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

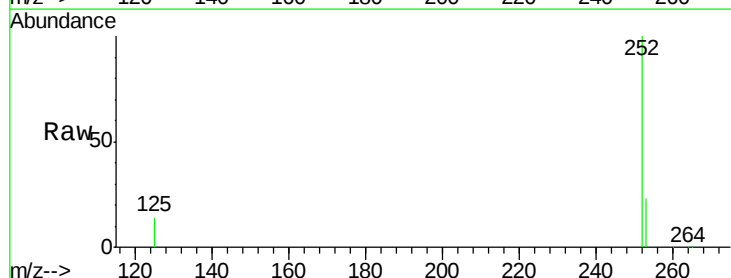
Tgt Ion:252 Resp: 444653

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

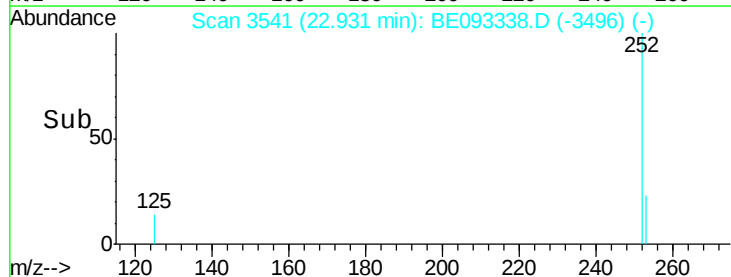
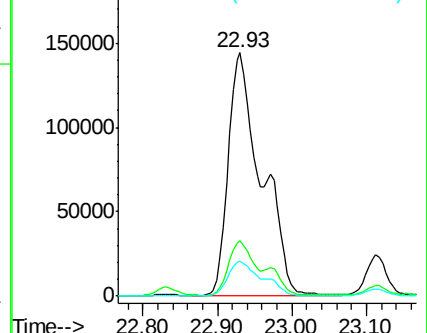
125 14.3 0.0 35.0

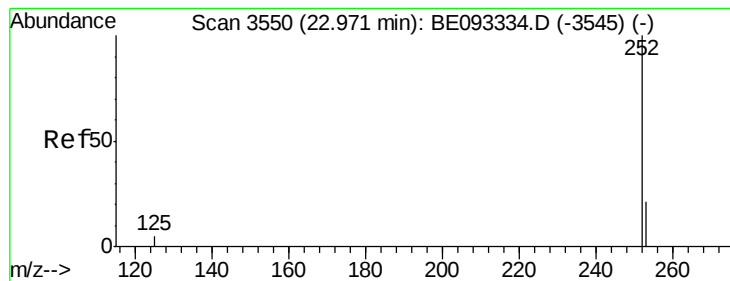


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.98 ng/ul

RT: 23.11 min Scan# 3581

Delta R.T. 0.14 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

ClientSampleId :

F5A82

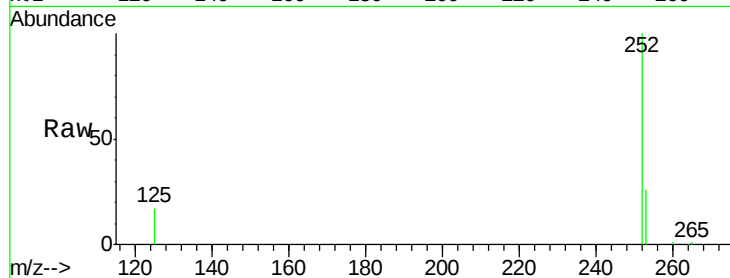
Tgt Ion:252 Resp: 42072

Ion Ratio Lower Upper

252 100

253 25.7 24.5 36.7

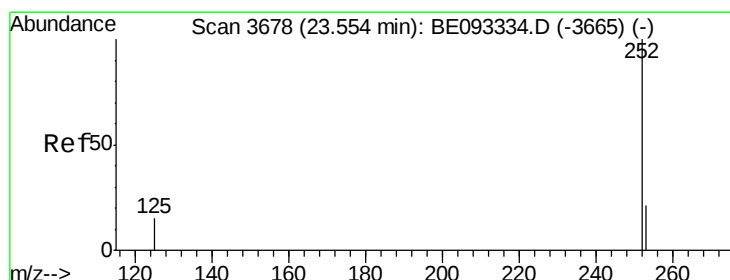
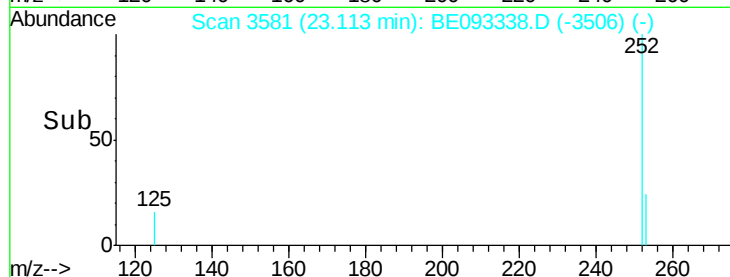
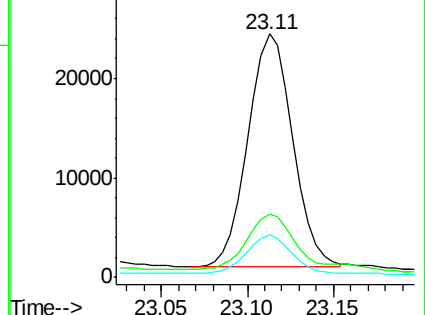
125 17.4 13.7 20.5



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: 4.28 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

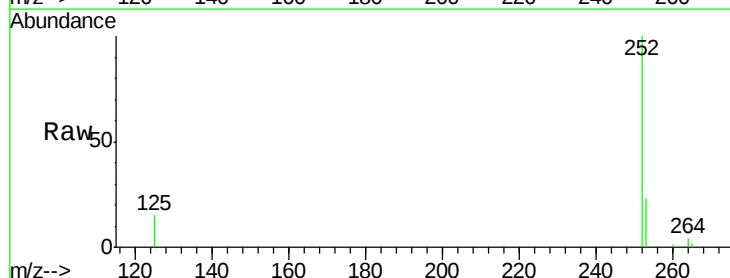
Tgt Ion:252 Resp: 163873

Ion Ratio Lower Upper

252 100

253 23.0 28.5 42.7#

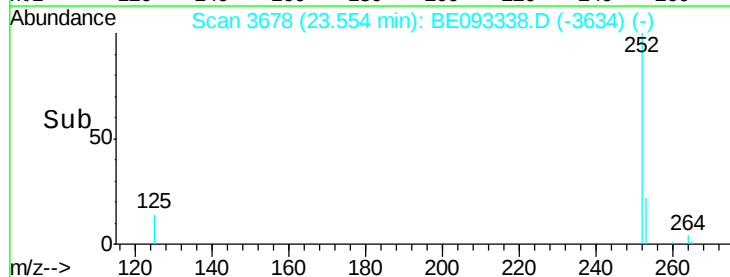
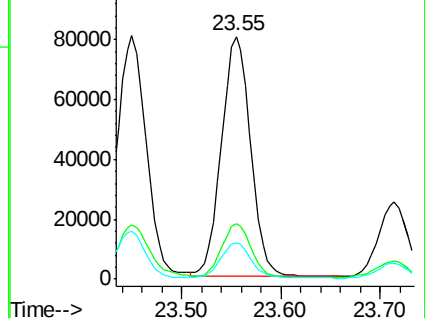
125 14.8 18.1 27.1#

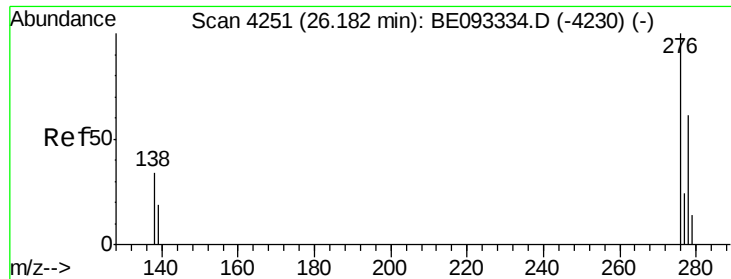


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

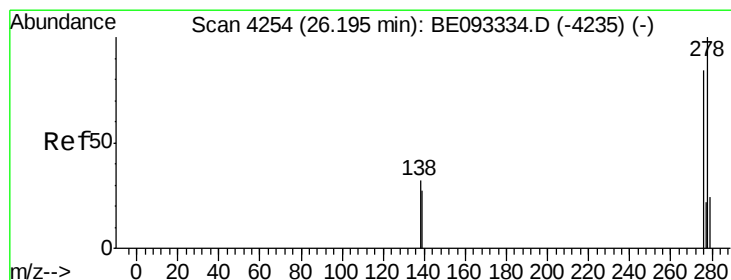
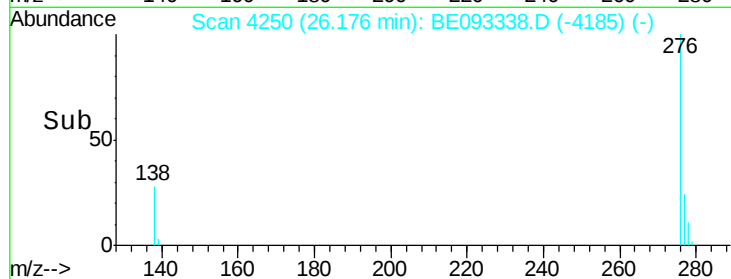
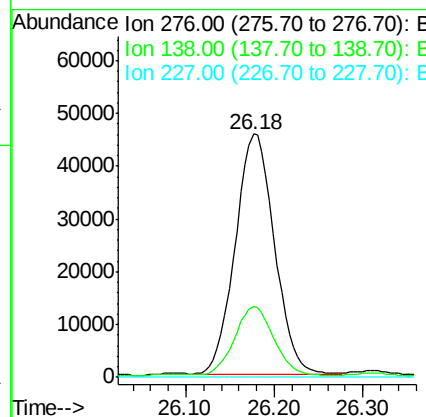
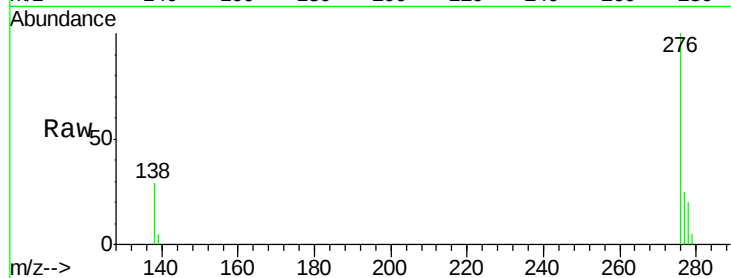




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.17 ng/ul
 RT: 26.18 min Scan# 4250
 Delta R.T. -0.01 min
 Lab File: BE093338.D
 Acq: 23 Jun 2017 15:09

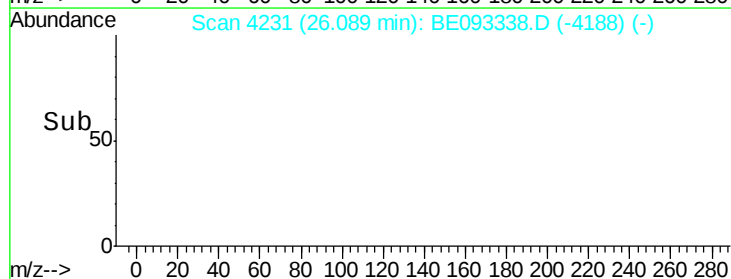
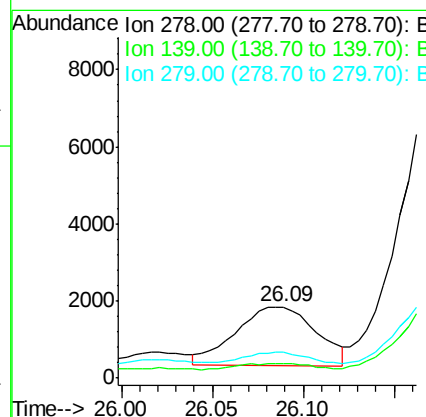
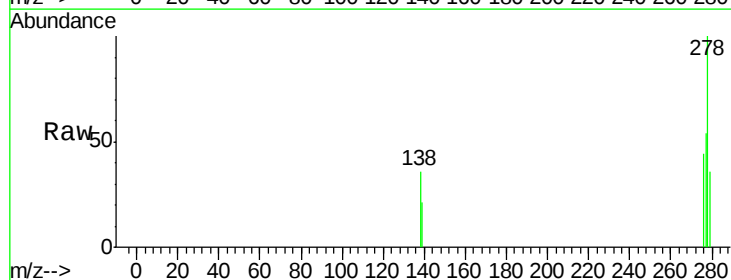
Instrument :
 BNA_E
 ClientSampleId :
 F5A82

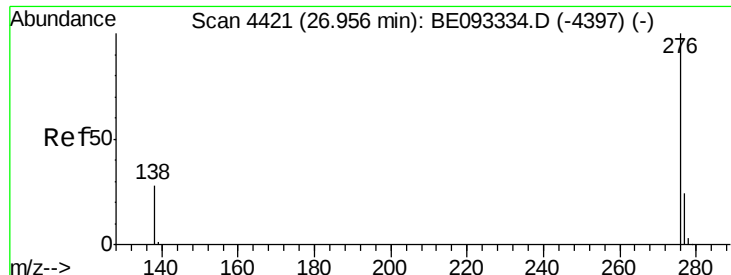
Tgt Ion: 276 Resp: 140265
 Ion Ratio Lower Upper
 276 100
 138 29.2 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.13 ng/ul
 RT: 26.09 min Scan# 4231
 Delta R.T. -0.11 min
 Lab File: BE093338.D
 Acq: 23 Jun 2017 15:09

Tgt Ion: 278 Resp: 4732
 Ion Ratio Lower Upper
 278 100
 139 21.0 17.4 26.0
 279 36.2 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 2.73 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. -0.01 min

Lab File: BE093338.D

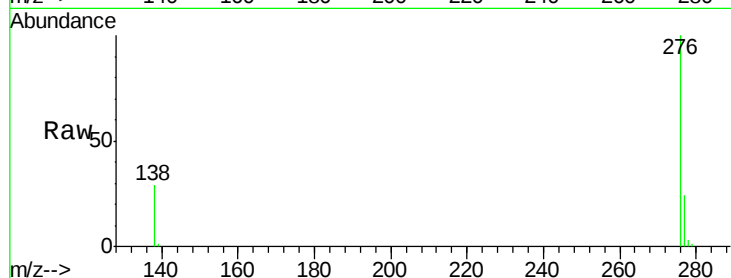
Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

ClientSampleId :

F5A82



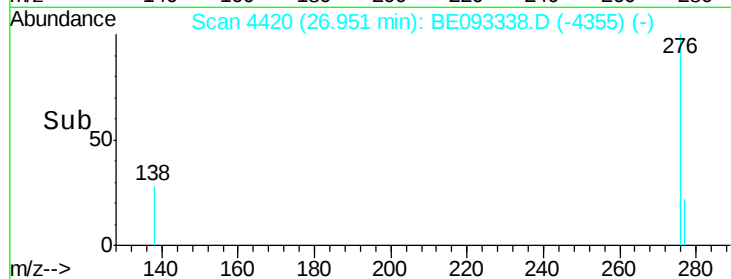
Tgt Ion: 276 Resp: 103586

Ion Ratio Lower Upper

276 100

138 29.0 21.8 32.8

277 24.1 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

