

Data File : BE093193.D
Acq On : 15 Jun 2017 5:36
Operator : SJ/MA
Sample : I3521-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B88

Quant Time: Jun 15 06:32:49 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3448	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	17391	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10431	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	23433	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	23912	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	1034095	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	5740	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	14942	0.23	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	5034	0.12	ng/ul#	95
5) 2-Methylnaphthalene	12.19	142	1130	0.04	ng/ul	98
7) Acenaphthylene	14.08	152	27598	0.62	ng/ul	97
8) Acenaphthene	14.43	153	813	0.02	ng/ul#	93
9) Fluorene	15.42	166	1060	0.03	ng/ul#	90
12) Phenanthrene	17.14	178	66895	1.04	ng/ul#	86
13) Anthracene	17.22	178	42623	0.76	ng/ul#	87
15) Fluoranthene	19.16	202	438051	5.54	ng/ul	83
17) Pyrene	19.52	202	492529	6.98	ng/ul#	85
18) Benzo(a)anthracene	21.25	228	266039	4.17	ng/ul#	84
19) Chrysene	21.30	228	307466	4.65	ng/ul	97
21) Benzo(b)fluoranthene	22.94	252	477076	0.15	ng/ul	87
22) Benzo(k)fluoranthene	22.94	252	621794	0.19	ng/ul#	89
23) Benzo(a)pyrene	23.46	252	213425	0.07	ng/ul#	84
25) Dibenzo(a,h)anthracene	25.86	278	37878	0.01	ng/ul	94
26) Benzo(g,h,i)perylene	26.96	276	117392	0.04	ng/ul	96

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

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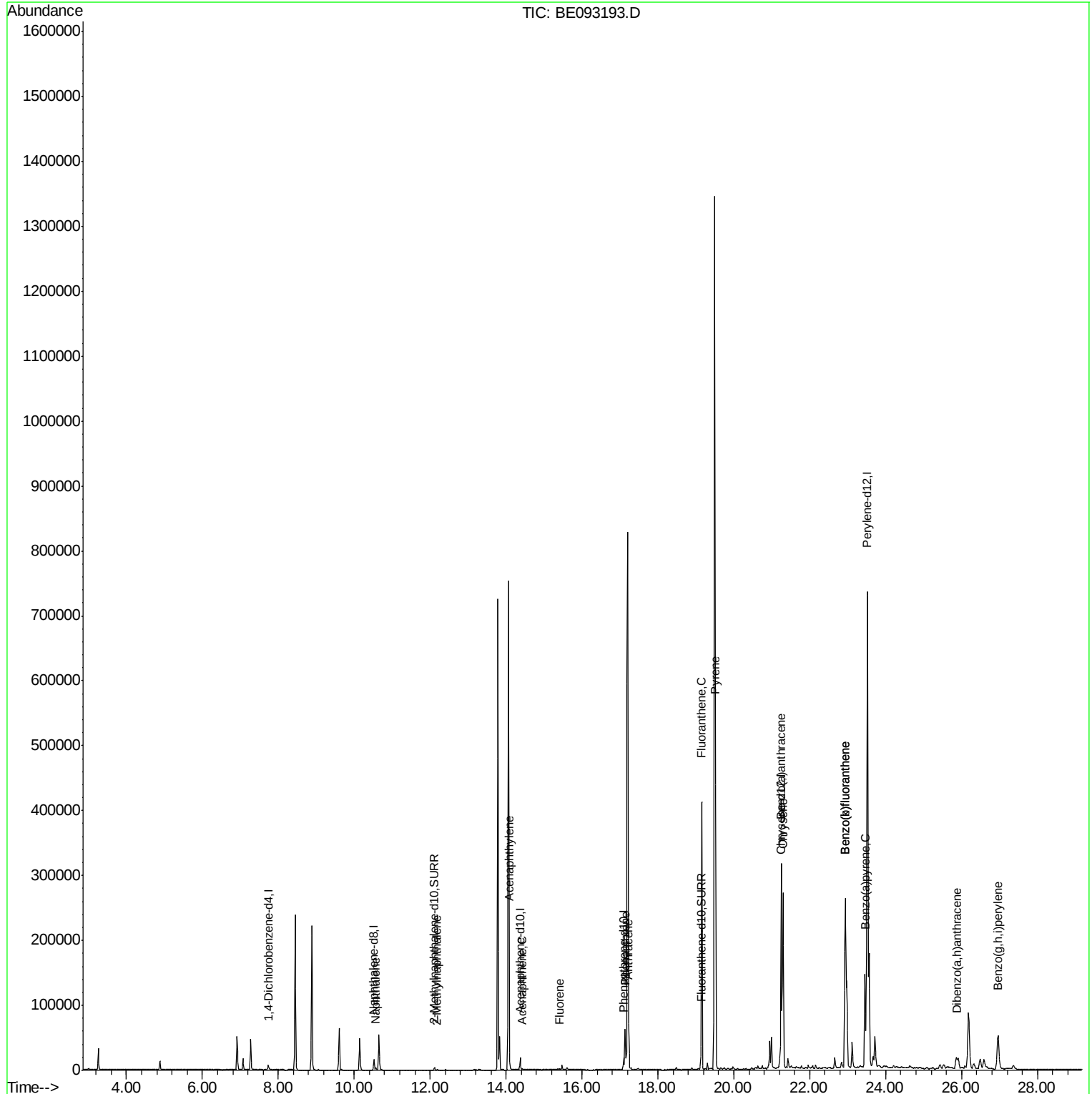
Quant Time: Jun 15 06:32:49 2017

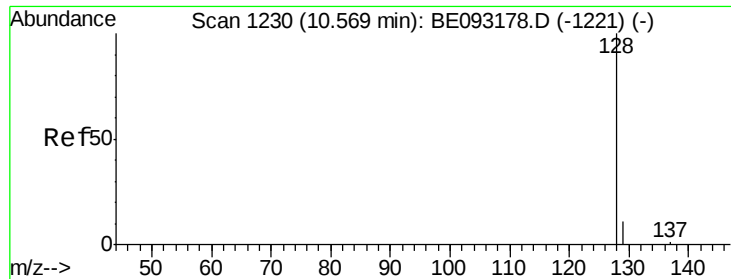
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

Instrument :

BNA_E

ClientSampleId :

F5B88

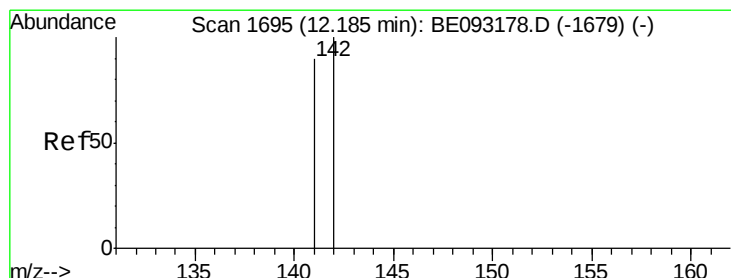
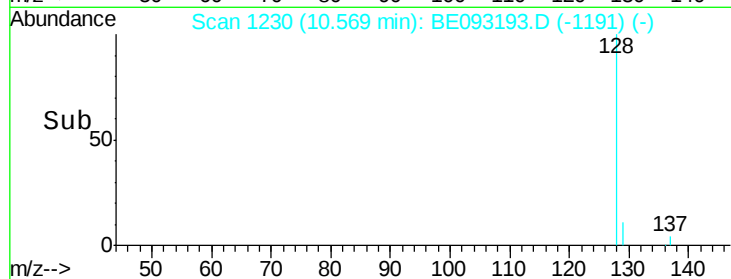
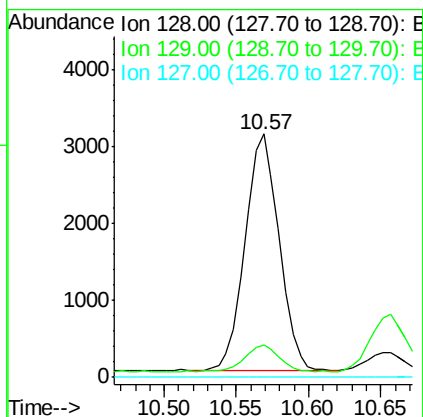
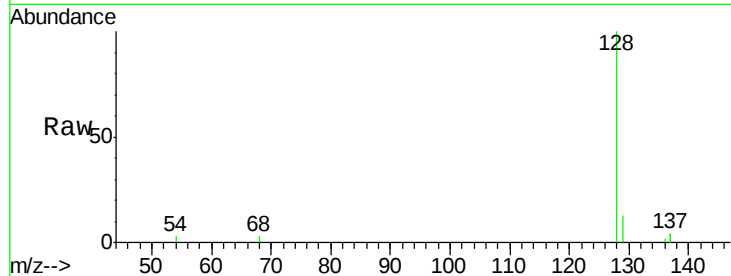
Tgt Ion:128 Resp: 5034

Ion Ratio Lower Upper

128 100

129 13.5 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 12.19 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093193.D

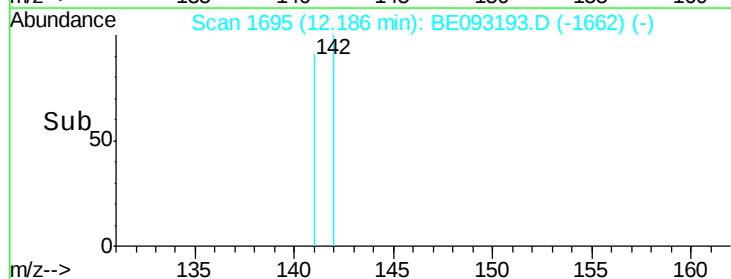
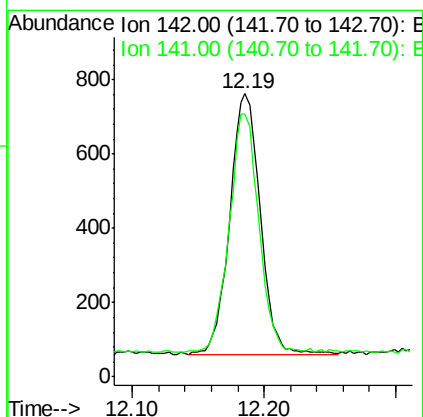
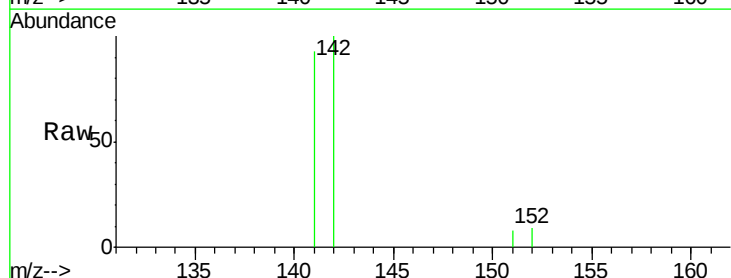
Acq: 15 Jun 2017 5:36

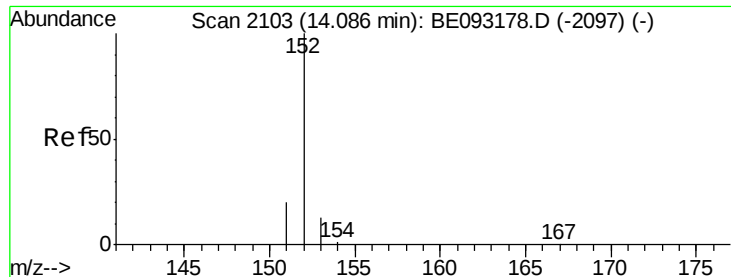
Tgt Ion:142 Resp: 1130

Ion Ratio Lower Upper

142 100

141 88.4 72.6 108.8





#7

Acenaphthylene

Concen: 0.62 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

Instrument :

BNA_E

ClientSampleId :

F5B88

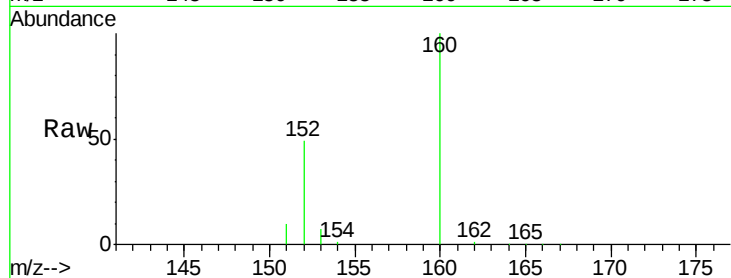
Tgt Ion:152 Resp: 27598

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

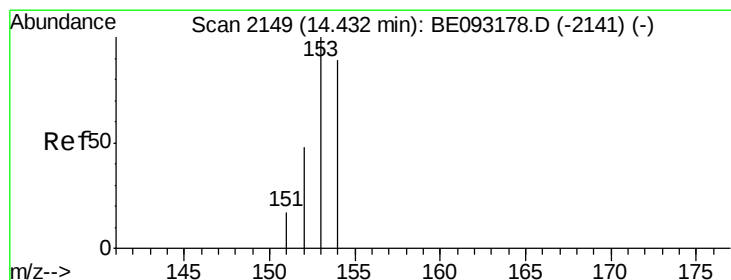
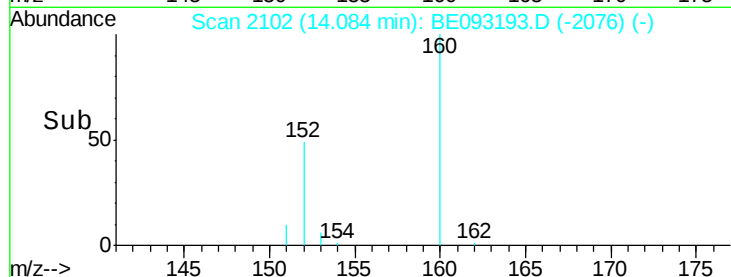
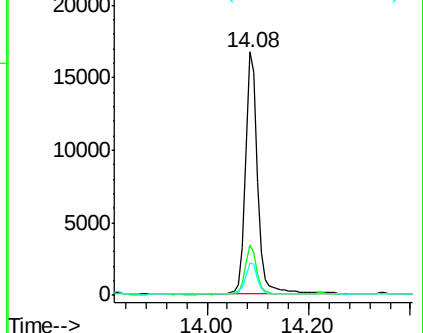
153 13.4 12.8 19.2



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: 0.02 ng/ul

RT: 14.43 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

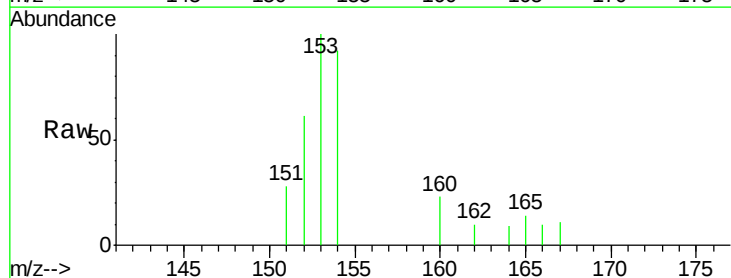
Tgt Ion:153 Resp: 813

Ion Ratio Lower Upper

153 100

152 60.7 40.3 60.5#

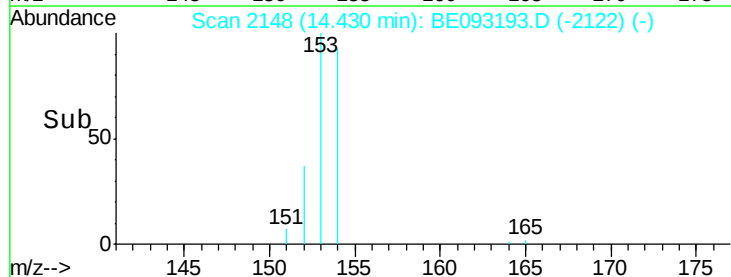
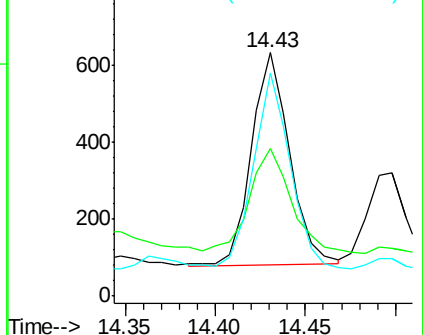
154 91.6 71.4 107.2

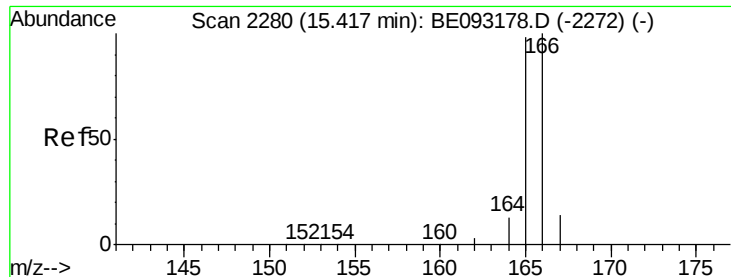


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.42 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

Instrument :

BNA_E

ClientSampled :

F5B88

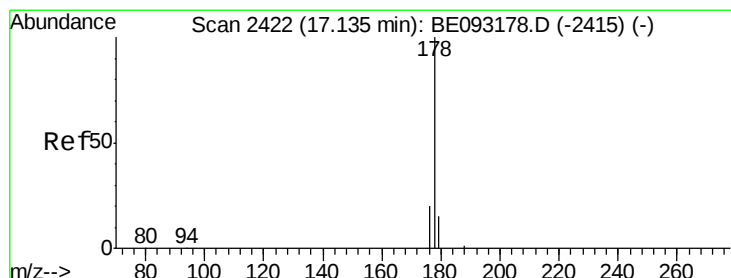
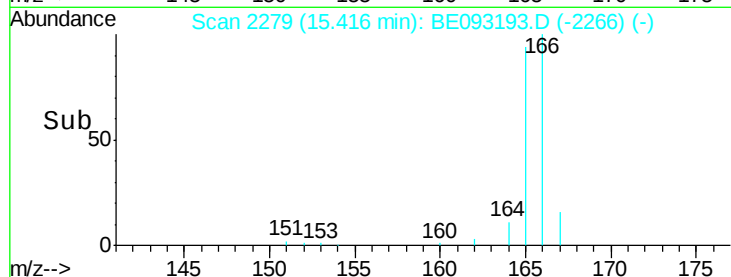
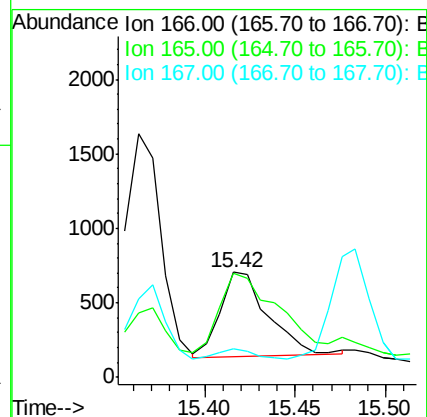
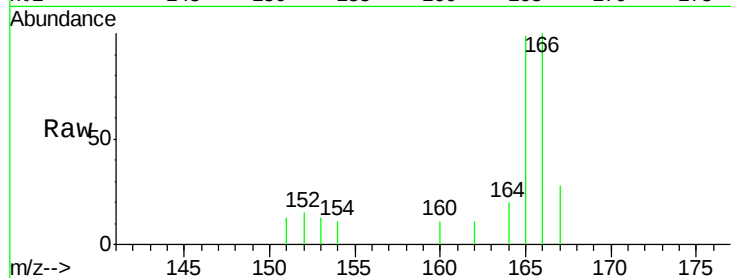
Tgt Ion:166 Resp: 1060

Ion Ratio Lower Upper

166 100

165 99.4 73.4 110.2

167 27.8 14.6 22.0#



#12

Phenanthrene

Concen: 1.04 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

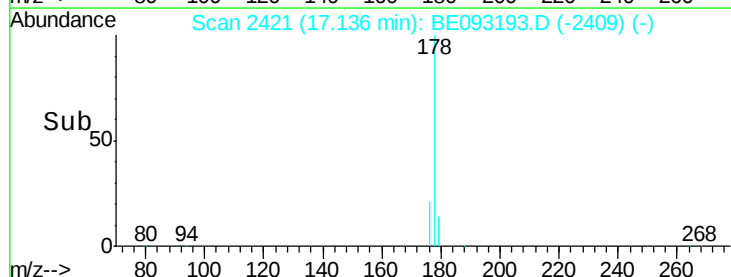
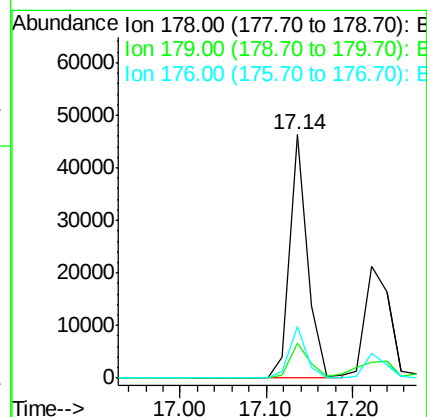
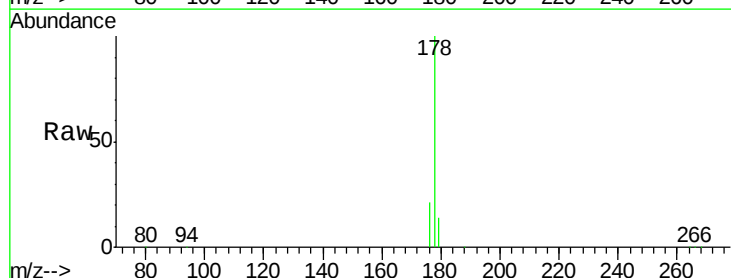
Tgt Ion:178 Resp: 66895

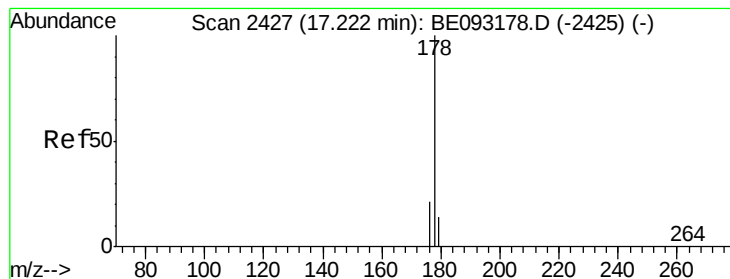
Ion Ratio Lower Upper

178 100

179 14.2 18.4 27.6#

176 21.0 13.6 20.4#





#13

Anthracene

Concen: 0.76 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

Instrument :

BNA_E

ClientSampleId :

F5B88

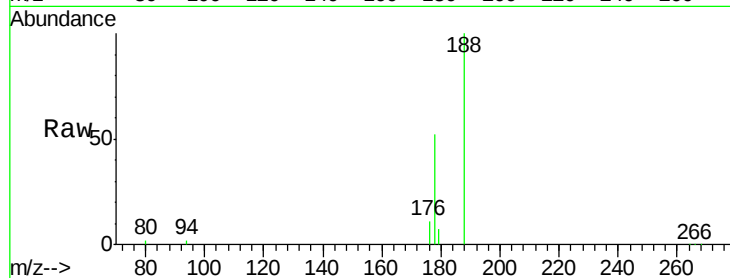
Tgt Ion:178 Resp: 42623

Ion Ratio Lower Upper

178 100

179 14.2 18.1 27.1#

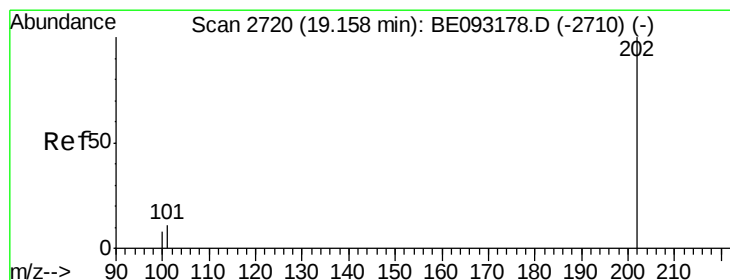
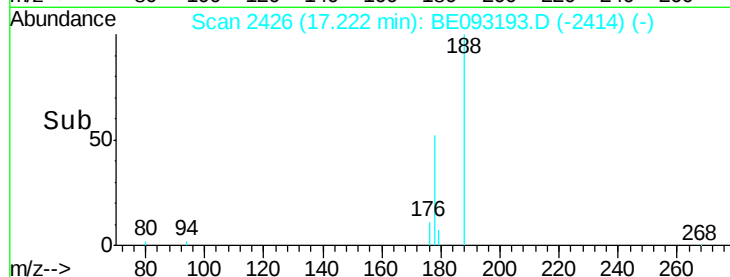
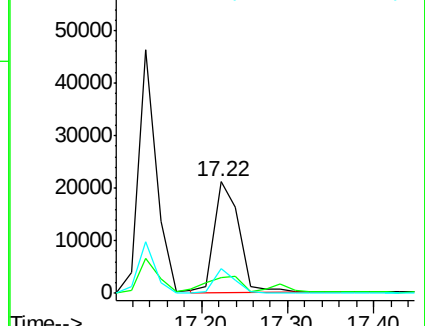
176 21.9 14.7 22.1



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: 5.54 ng/ul

RT: 19.16 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

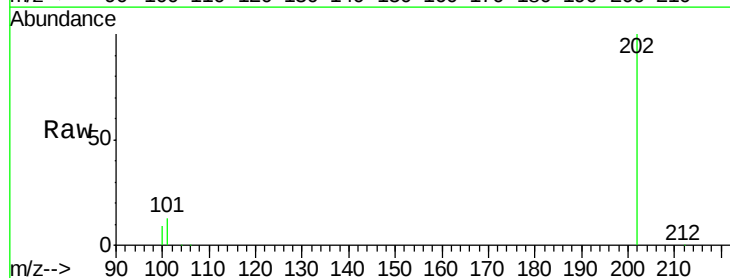
Tgt Ion:202 Resp: 438051

Ion Ratio Lower Upper

202 100

101 12.7 0.0 30.3

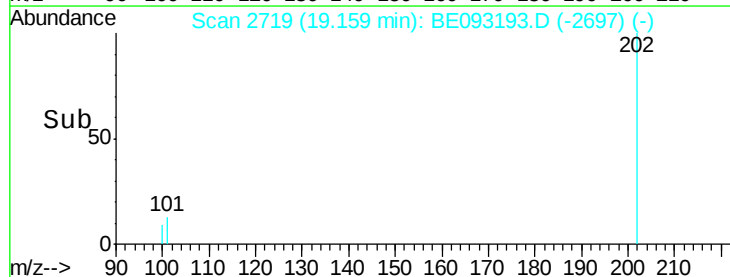
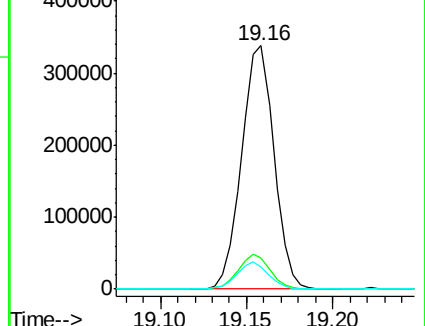
100 9.1 0.0 39.5

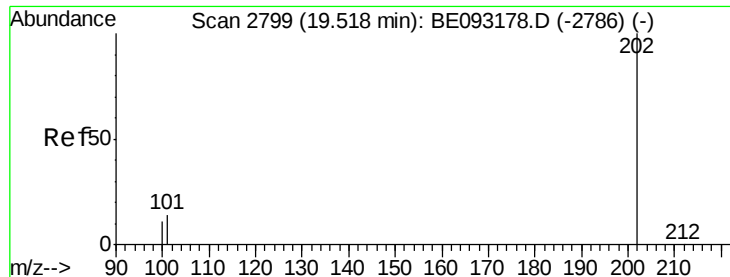


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#17

Pyrene

Concen: 6.98 ng/ul

RT: 19.52 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

Instrument :

BNA_E

ClientSampleId :

F5B88

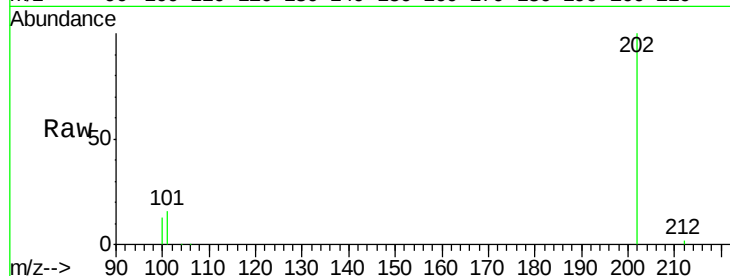
Tgt Ion:202 Resp: 492529

Ion Ratio Lower Upper

202 100

101 15.7 18.2 27.4#

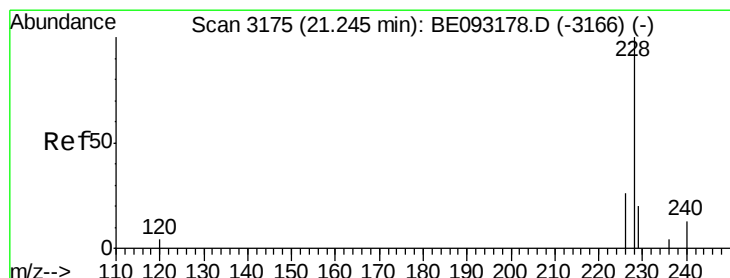
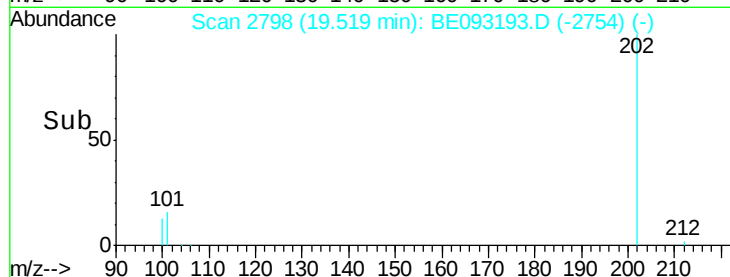
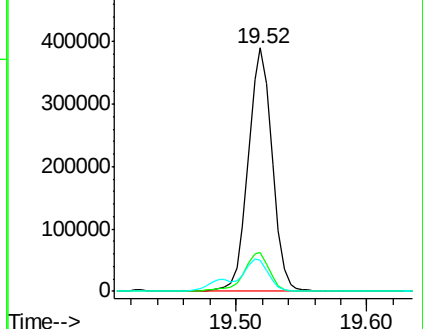
100 12.7 15.6 23.4#



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: 4.17 ng/ul

RT: 21.25 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

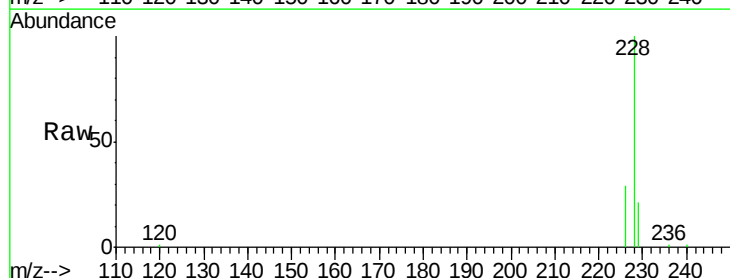
Tgt Ion:228 Resp: 266039

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

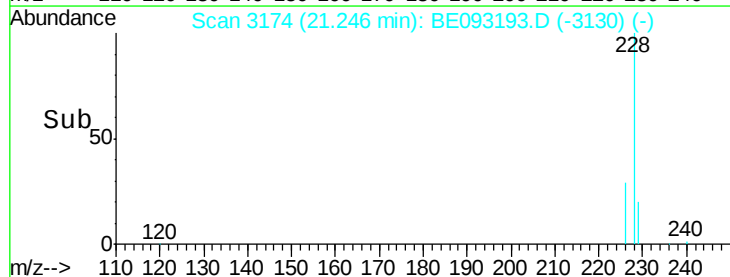
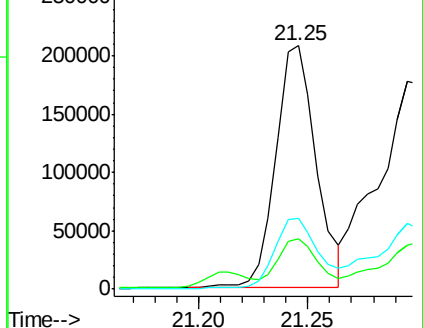
226 29.2 17.0 25.6#

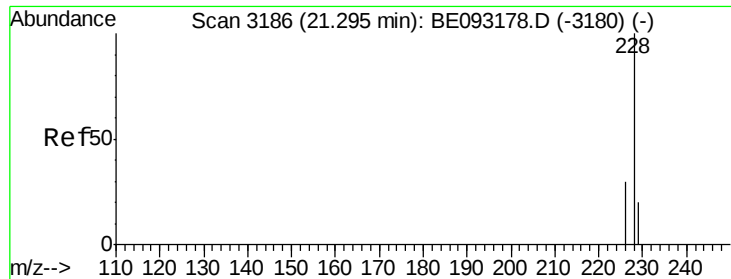


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 4.65 ng/ul

RT: 21.30 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

Instrument :

BNA_E

ClientSampled :

F5B88

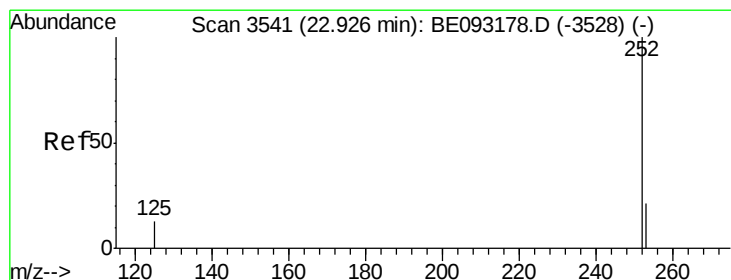
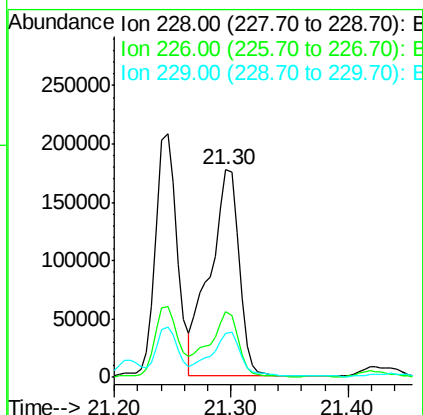
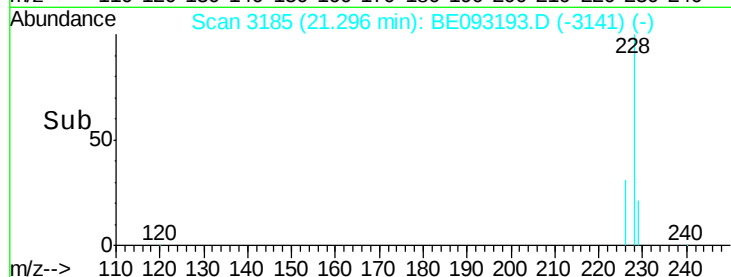
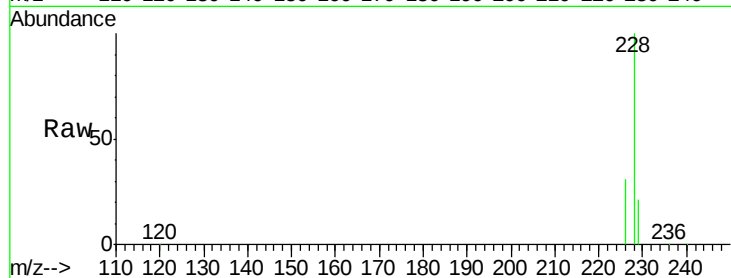
Tgt Ion:228 Resp: 307466

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

229 21.4 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.15 ng/ul

RT: 22.94 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

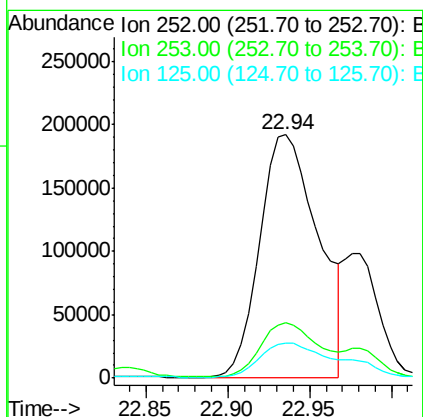
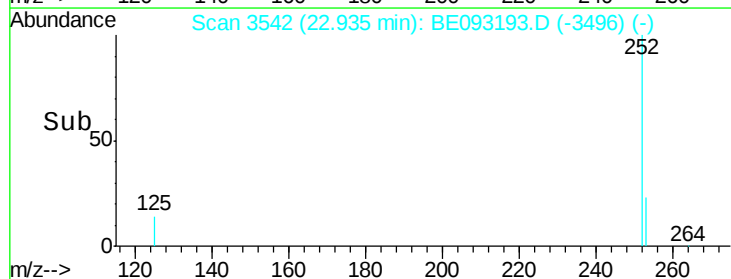
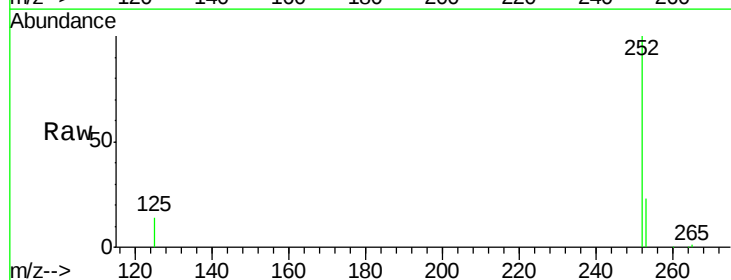
Tgt Ion:252 Resp: 477076

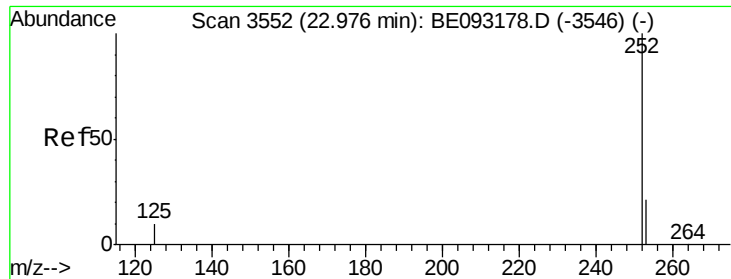
Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

125 14.2 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.19 ng/ul

RT: 22.94 min Scan# 3542

Delta R.T. -0.04 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

Instrument :

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F5B88

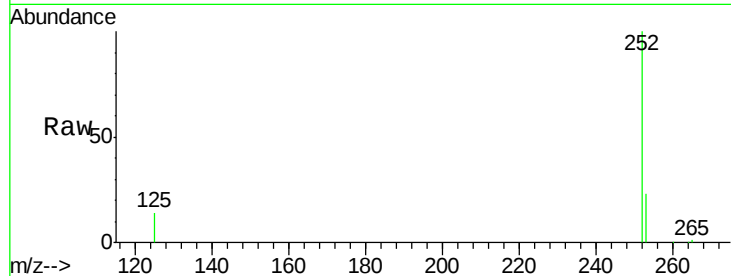
Tgt Ion:252 Resp: 621794

Ion Ratio Lower Upper

252 100

253 22.9 24.5 36.7#

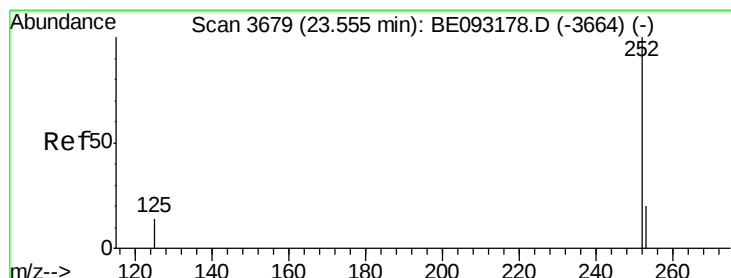
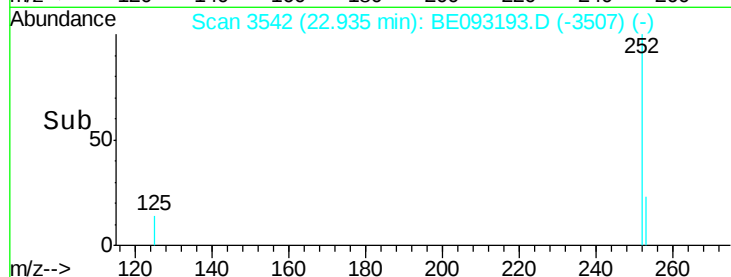
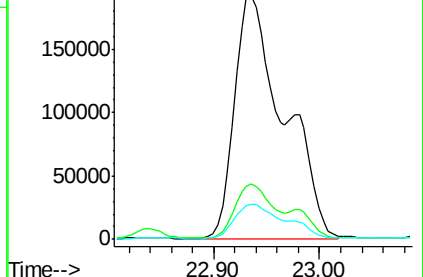
125 14.2 13.7 20.5



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: 0.07 ng/ul

RT: 23.46 min Scan# 3657

Delta R.T. -0.10 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

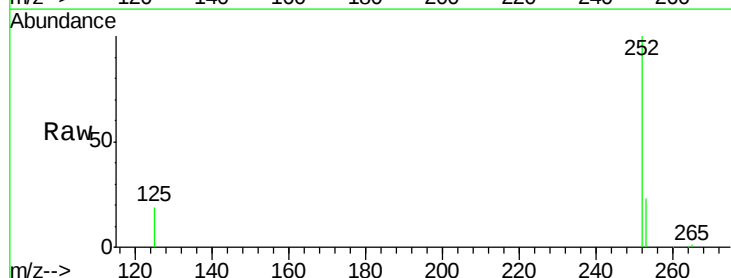
Tgt Ion:252 Resp: 213425

Ion Ratio Lower Upper

252 100

253 23.0 28.5 42.7#

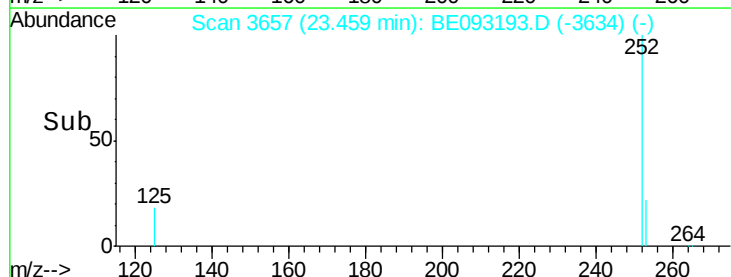
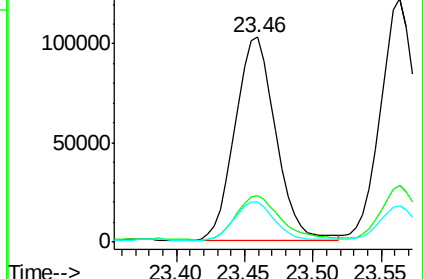
125 19.4 18.1 27.1

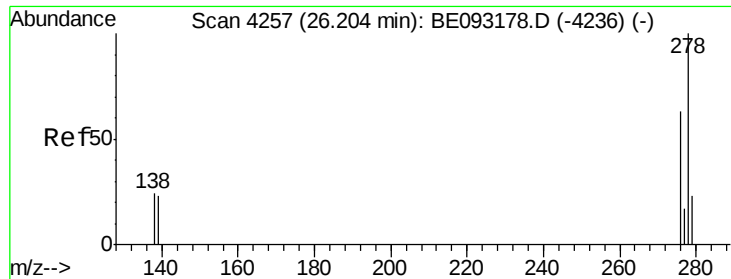


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 25.86 min Scan# 4181

Delta R.T. -0.34 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

Instrument :

BNA_E

ClientSampleId :

F5B88

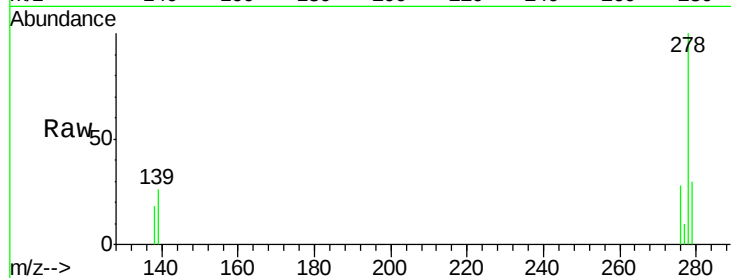
Tgt Ion: 278 Resp: 37878

Ion Ratio Lower Upper

278 100

139 25.7 17.4 26.0

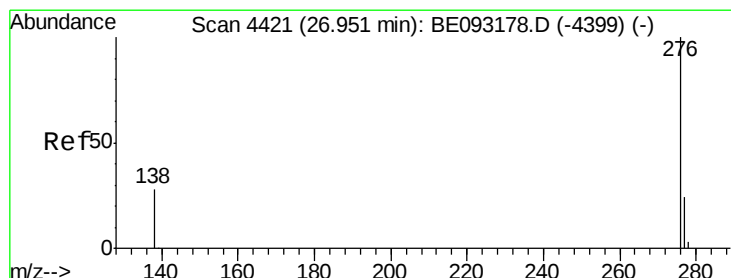
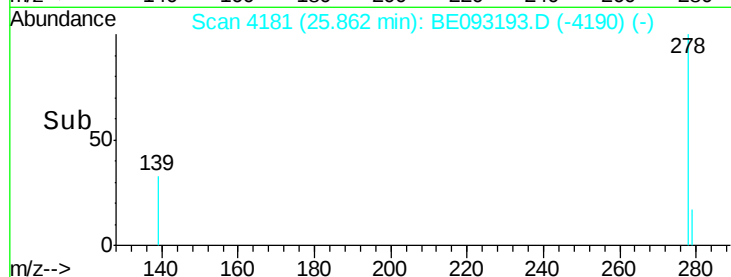
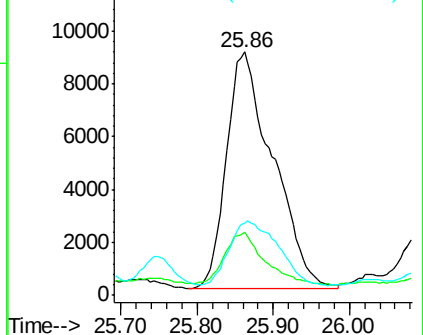
279 29.9 25.9 38.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.04 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. 0.01 min

Lab File: BE093193.D

Acq: 15 Jun 2017 5:36

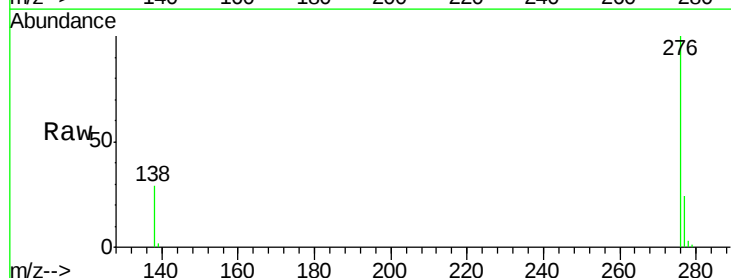
Tgt Ion: 276 Resp: 117392

Ion Ratio Lower Upper

276 100

138 29.4 21.8 32.8

277 24.0 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

