

Data File : BE093153.D
Acq On : 14 Jun 2017 4:53
Operator : SJ/MA
Sample : I3520-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B05

Quant Time: Jun 14 08:40:35 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 14 08:39:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	5719	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	28436	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	17268	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	41646	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	42422	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	43359	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	6694	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	19928	0.18	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.57	128	870	0.01	ng/ul#	73
7) Acenaphthylene	14.09	152	9178	0.12	ng/ul	97
12) Phenanthrene	17.14	178	6747	0.06	ng/ul#	89
13) Anthracene	17.22	178	10747	0.11	ng/ul#	89
15) Fluoranthene	19.15	202	84250	0.60	ng/ul	83
17) Pyrene	19.52	202	124531	1.00	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	62851	0.56	ng/ul#	85
19) Chrysene	21.29	228	76282	0.65	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	174258	1.32	ng/ul	89
22) Benzo(k)fluoranthene	22.93	252	174258	1.25	ng/ul#	90
23) Benzo(a)pyrene	23.56	252	65339	0.53	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	26.18	276	39136	0.27	ng/ul#	89
25) Dibenzo(a,h)anthracene	26.19	278	10676	0.09	ng/ul#	76
26) Benzo(g,h,i)perylene	26.95	276	33868	0.27	ng/ul	95

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

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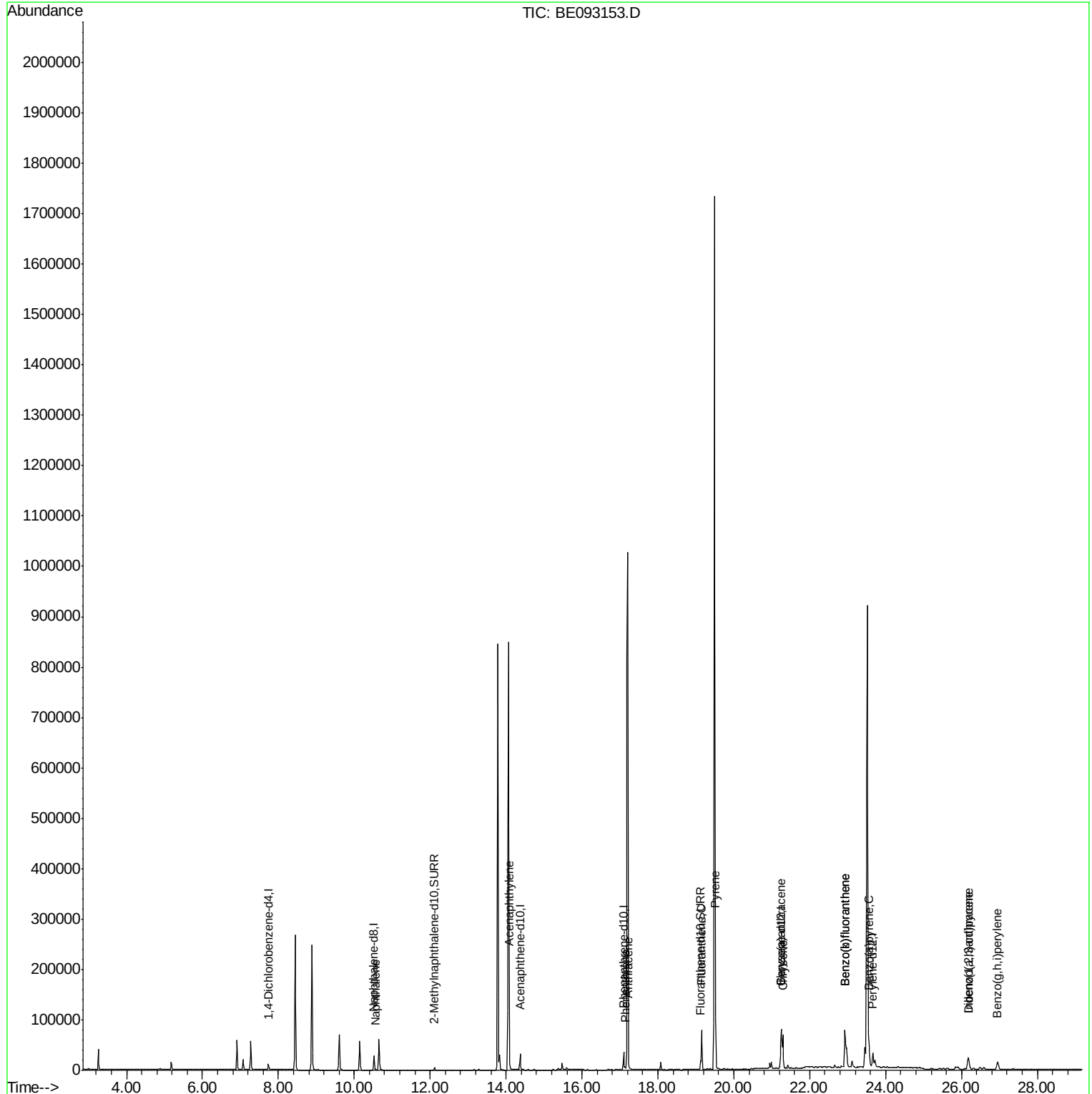
Quant Time: Jun 14 08:40:35 2017

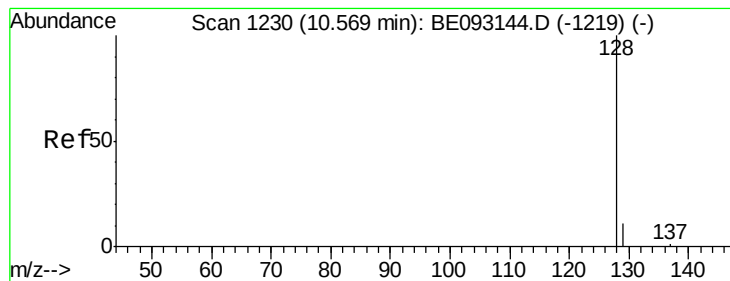
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 14 08:39:04 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

Instrument :

BNA_E

ClientSampleId :

F5B05

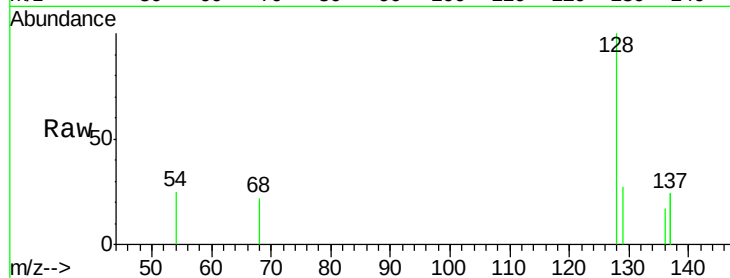
Tgt Ion:128 Resp: 870

Ion Ratio Lower Upper

128 100

129 26.7 11.3 16.9#

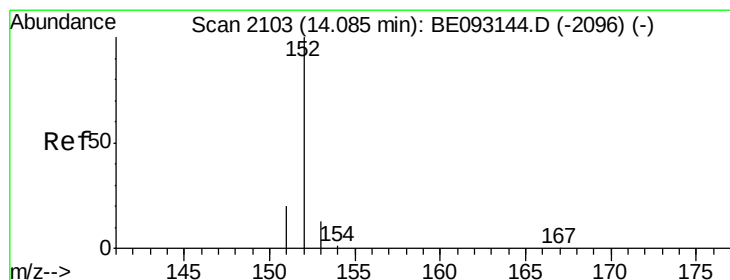
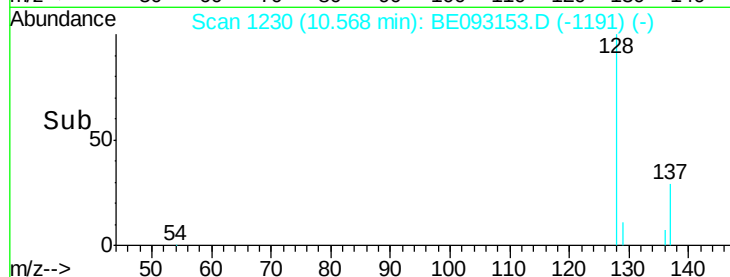
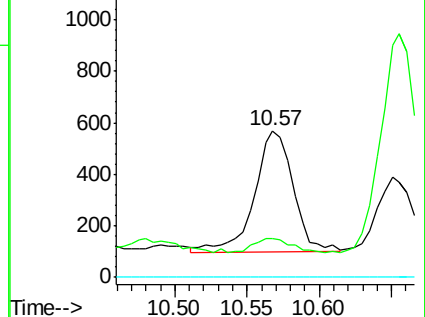
127 0.0 4.0 6.0#



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



#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

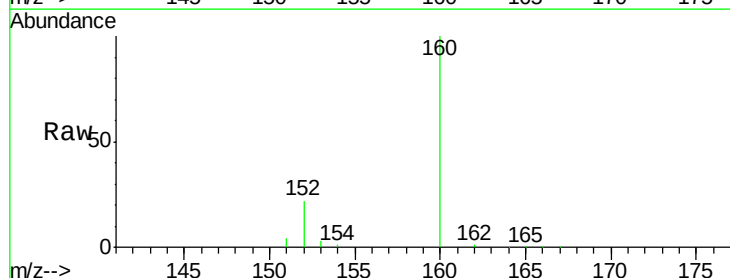
Tgt Ion:152 Resp: 9178

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

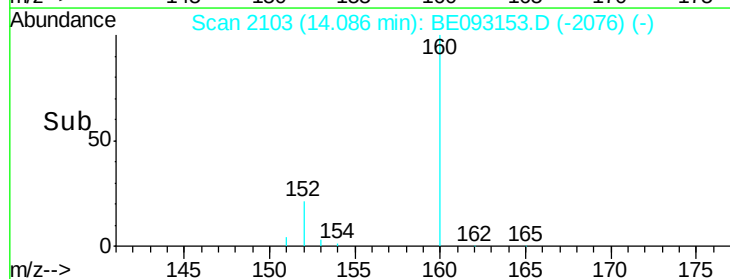
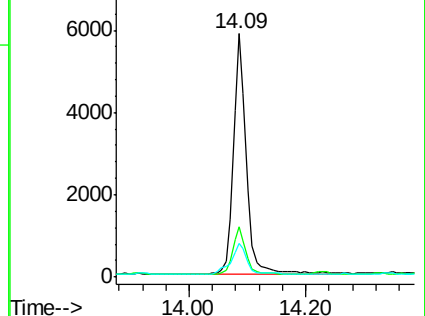
153 13.6 12.8 19.2

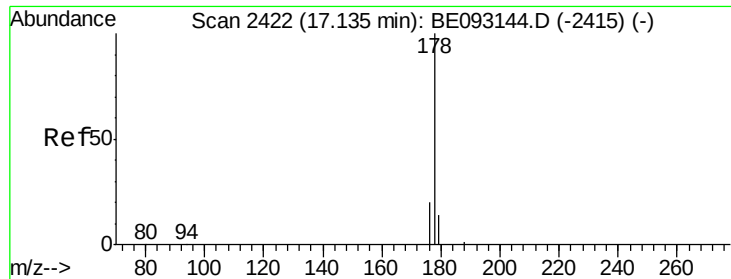


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

Instrument :

BNA_E

ClientSampleId :

F5B05

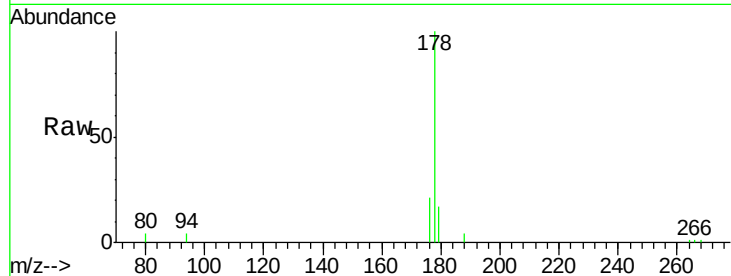
Tgt Ion:178 Resp: 6747

Ion Ratio Lower Upper

178 100

179 17.3 18.4 27.6#

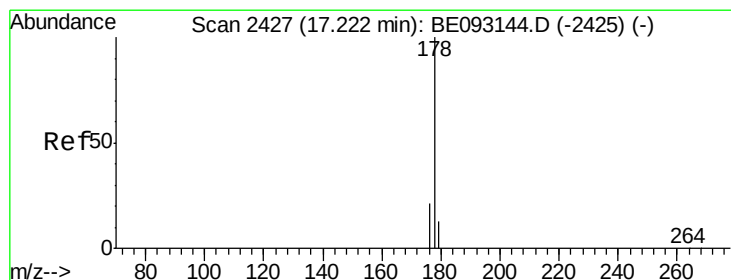
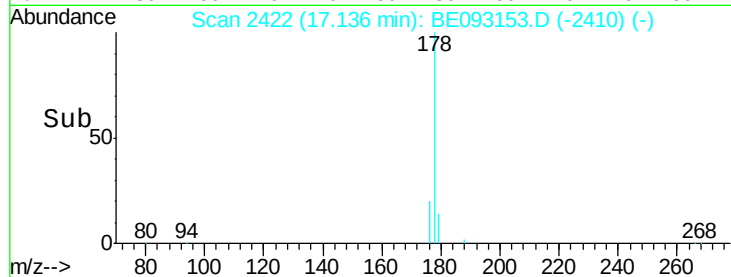
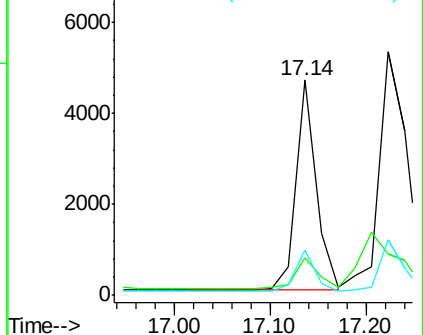
176 21.0 13.6 20.4#



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: 0.11 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

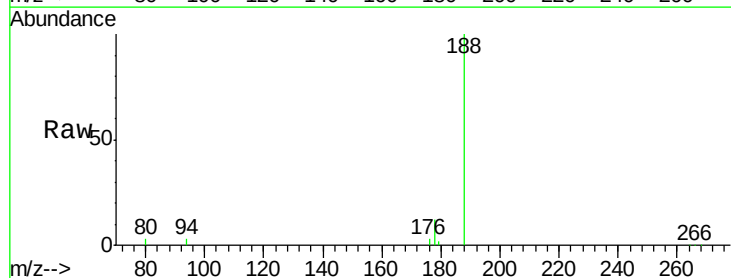
Tgt Ion:178 Resp: 10747

Ion Ratio Lower Upper

178 100

179 17.2 18.1 27.1#

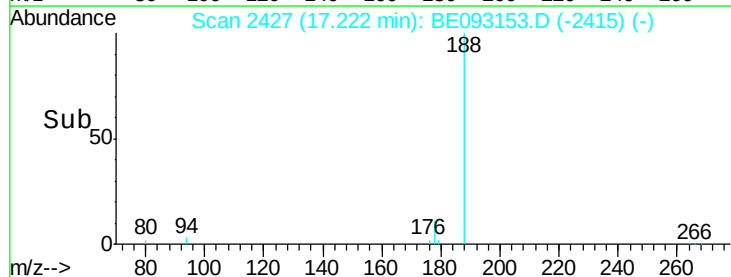
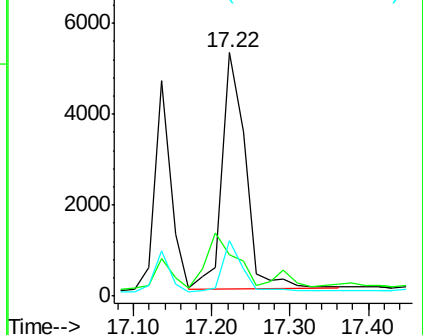
176 22.9 14.7 22.1#

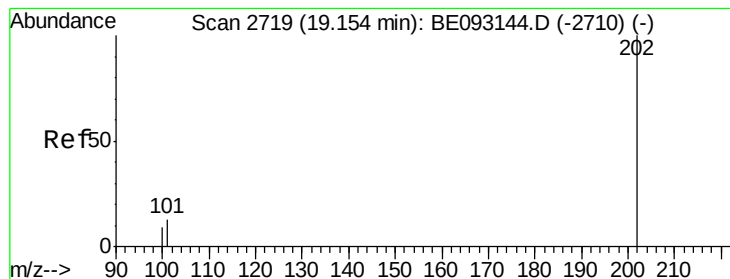


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.60 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

Instrument :

BNA_E

ClientSampleId :

F5B05

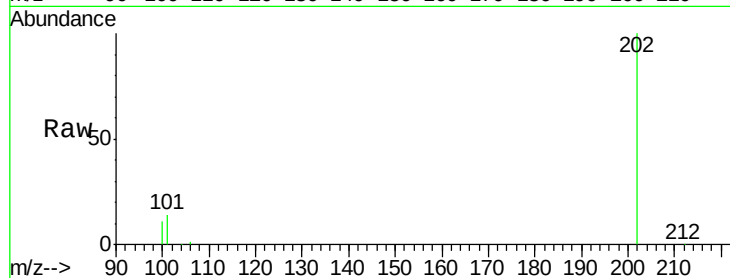
Tgt Ion:202 Resp: 84250

Ion Ratio Lower Upper

202 100

101 14.5 0.0 30.3

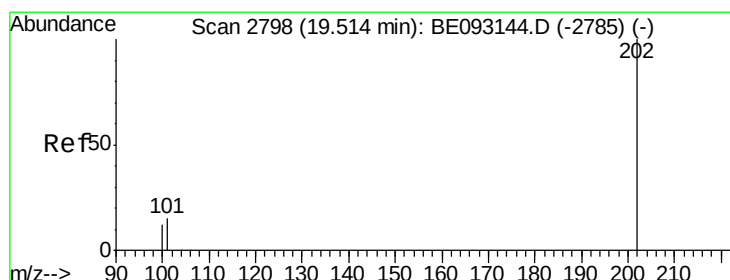
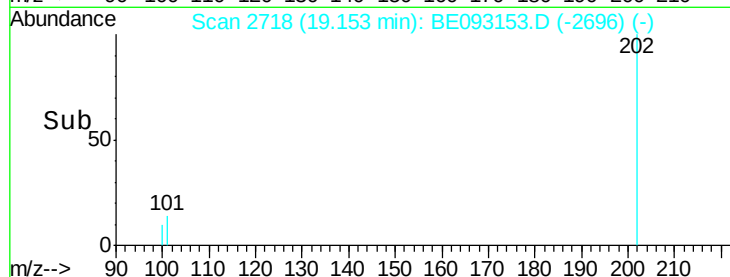
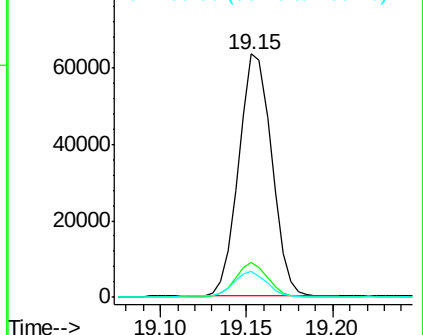
100 10.7 0.0 39.5



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: 1.00 ng/ul

RT: 19.52 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

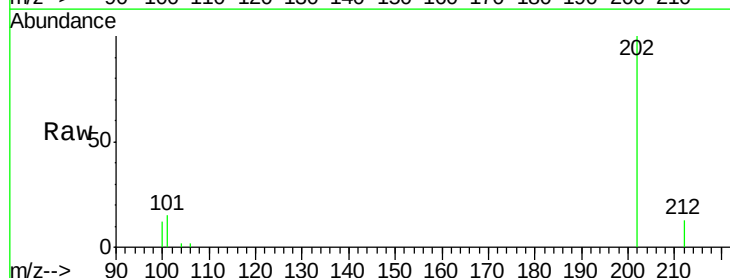
Tgt Ion:202 Resp: 124531

Ion Ratio Lower Upper

202 100

101 14.9 18.2 27.4#

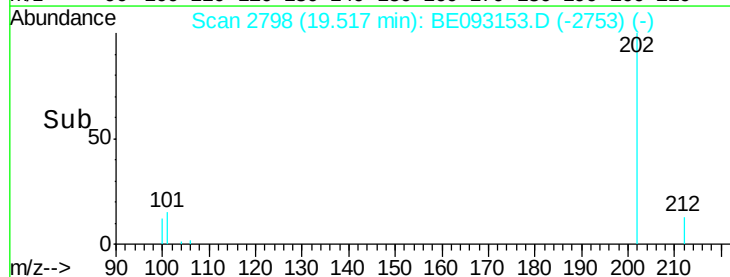
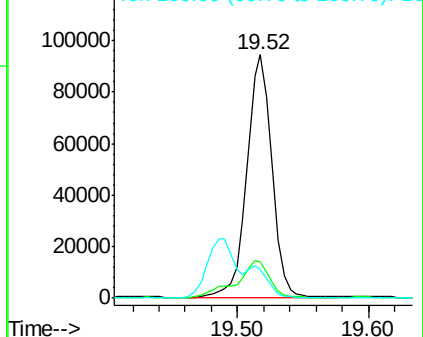
100 11.9 15.6 23.4#

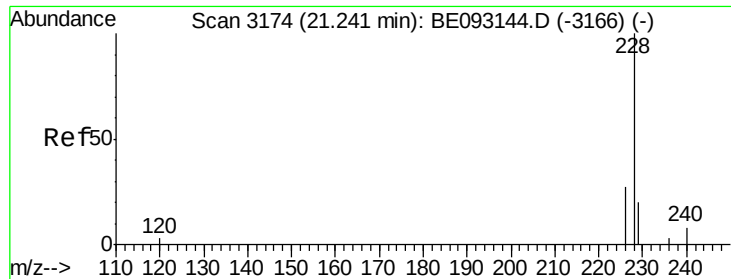


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.56 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

Instrument :

BNA_E

ClientSampleId :

F5B05

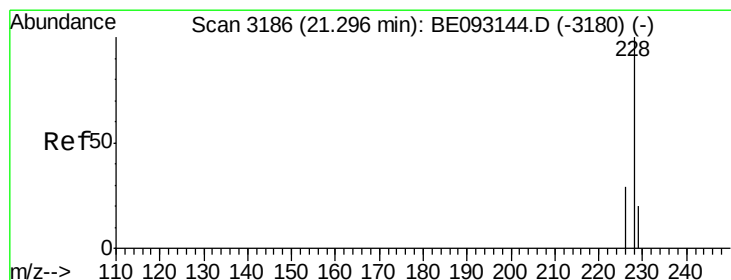
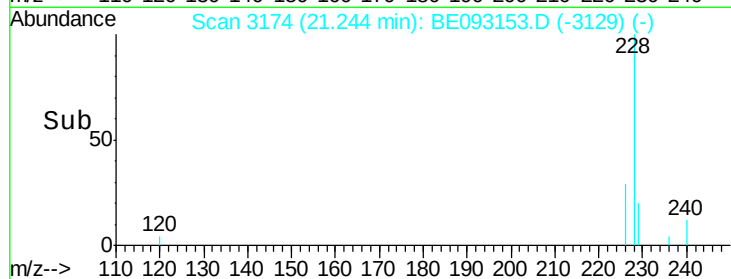
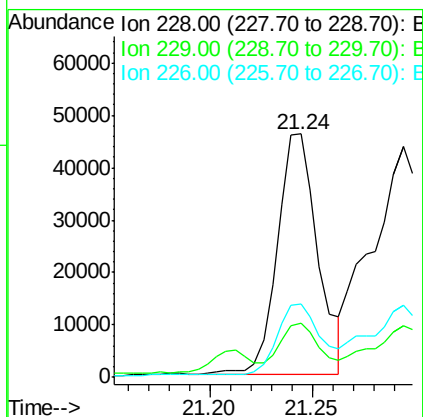
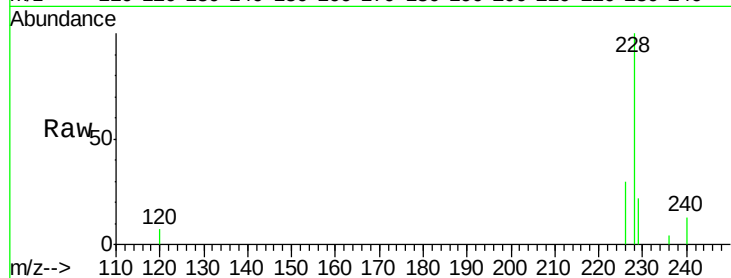
Tgt Ion:228 Resp: 62851

Ion Ratio Lower Upper

228 100

229 22.3 22.8 34.2#

226 29.9 17.0 25.6#



#19

Chrysene

Concen: 0.65 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

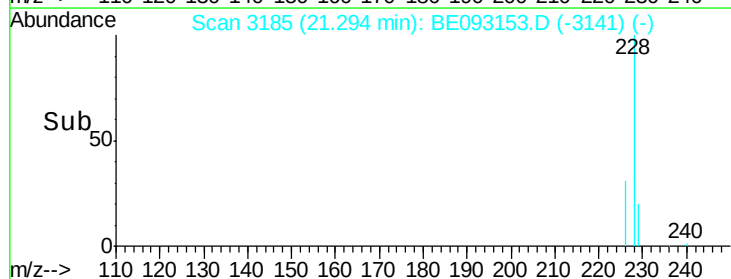
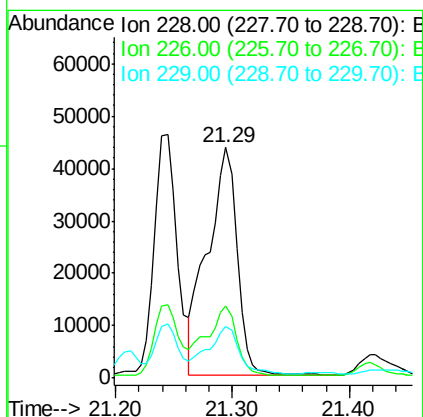
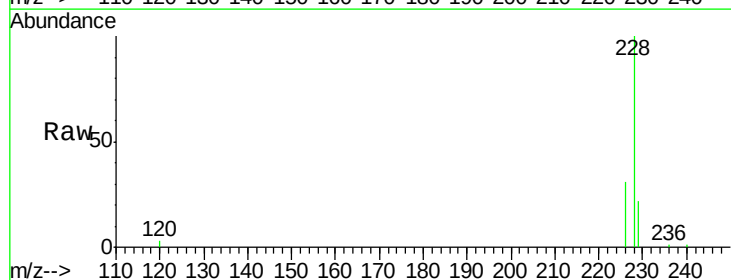
Tgt Ion:228 Resp: 76282

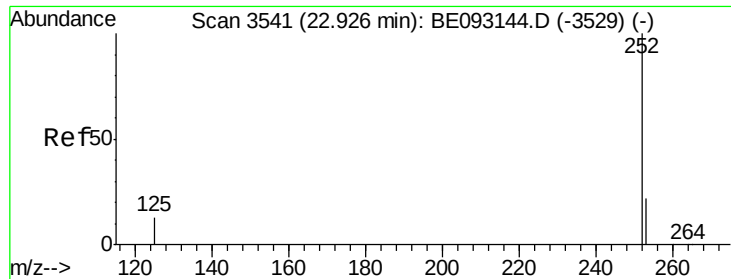
Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.0

229 22.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.32 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

Instrument :

BNA_E

ClientSampleId :

F5B05

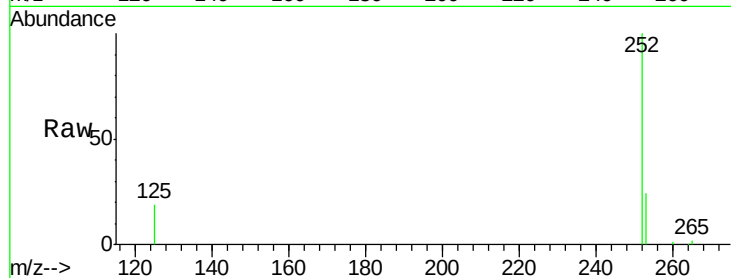
Tgt Ion:252 Resp: 174258

Ion Ratio Lower Upper

252 100

253 23.7 0.0 64.2

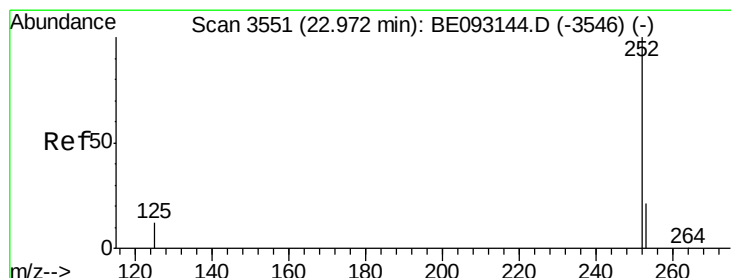
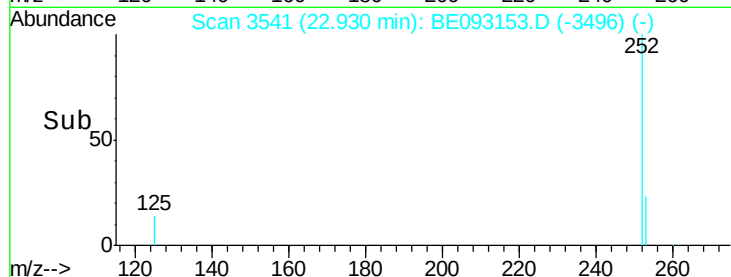
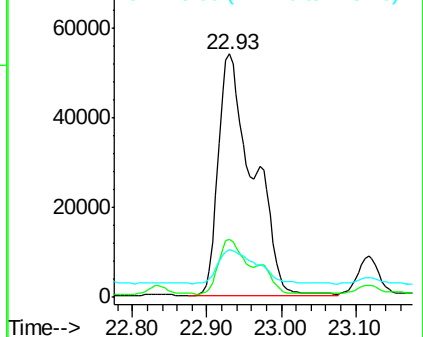
125 19.5 0.0 35.0



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: 1.25 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

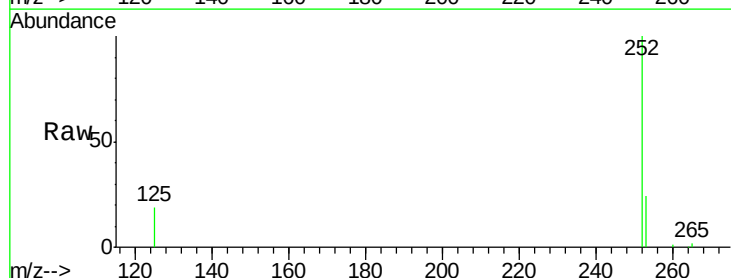
Tgt Ion:252 Resp: 174258

Ion Ratio Lower Upper

252 100

253 23.7 24.5 36.7#

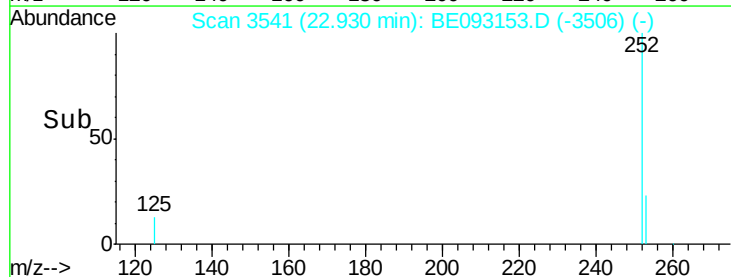
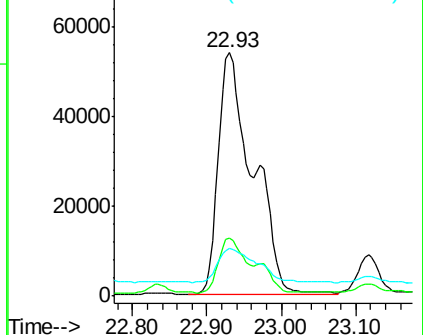
125 19.5 13.7 20.5

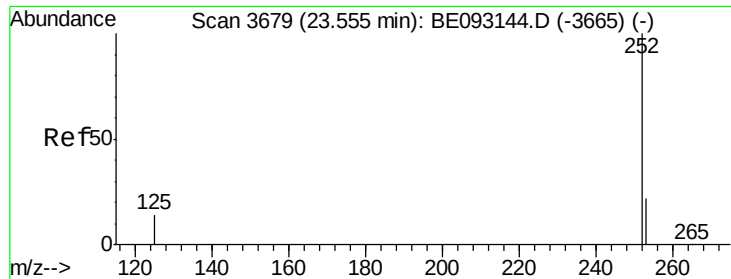


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.53 ng/ul

RT: 23.56 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

Instrument :

BNA_E

ClientSampleId :

F5B05

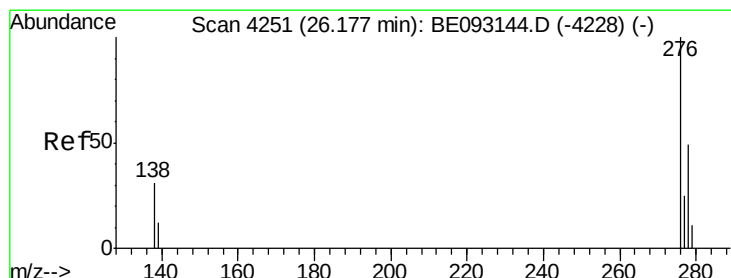
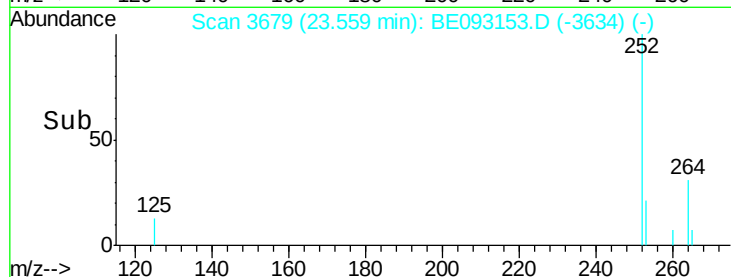
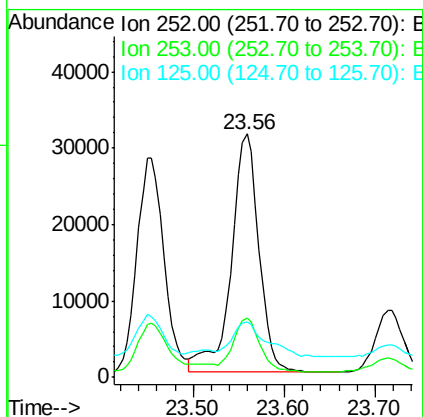
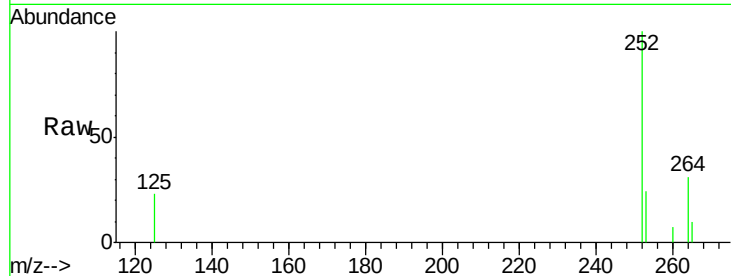
Tgt Ion:252 Resp: 65339

Ion Ratio Lower Upper

252 100

253 24.2 28.5 42.7#

125 22.8 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.27 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. 0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

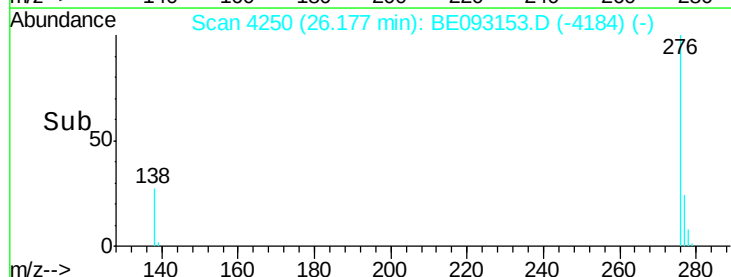
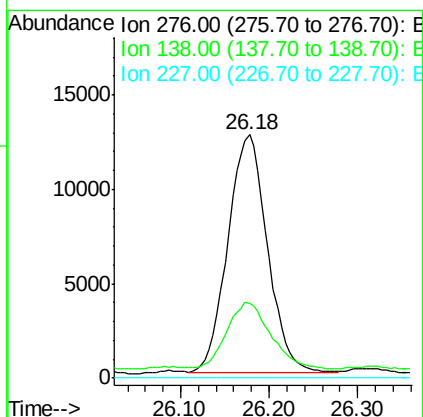
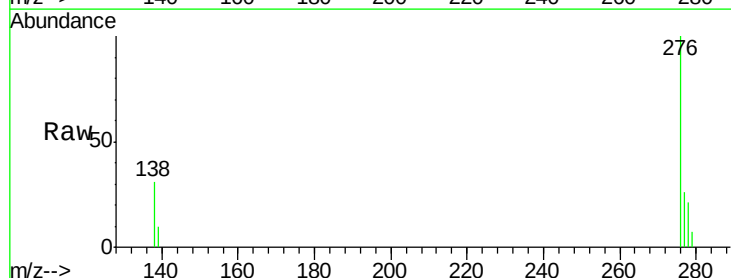
Tgt Ion:276 Resp: 39136

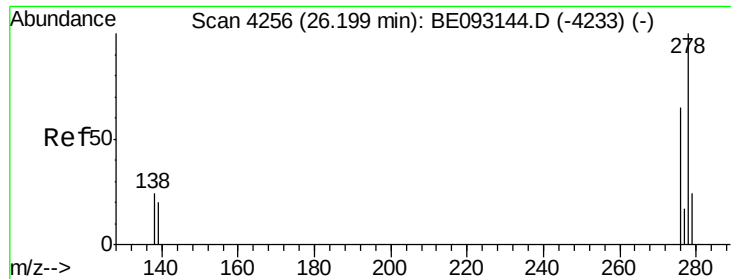
Ion Ratio Lower Upper

276 100

138 31.5 28.0 42.0

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.09 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. -0.01 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

Instrument :

BNA_E

ClientSampleId :

F5B05

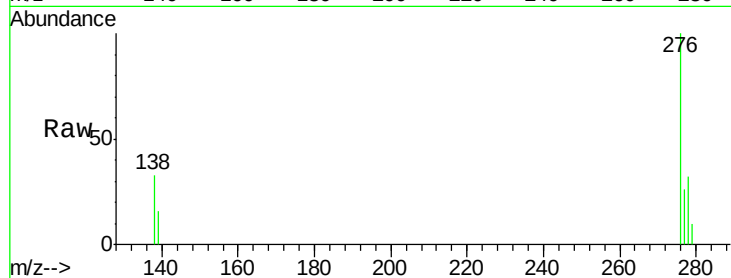
Tgt Ion: 278 Resp: 10676

Ion Ratio Lower Upper

278 100

139 49.0 17.4 26.0#

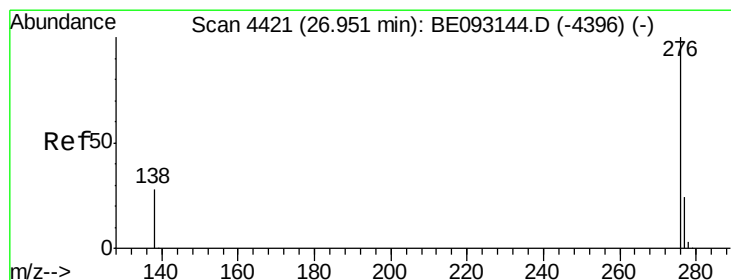
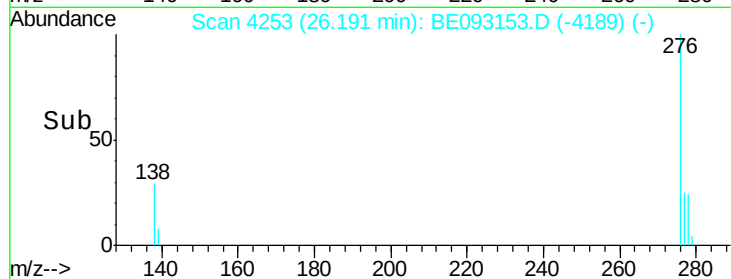
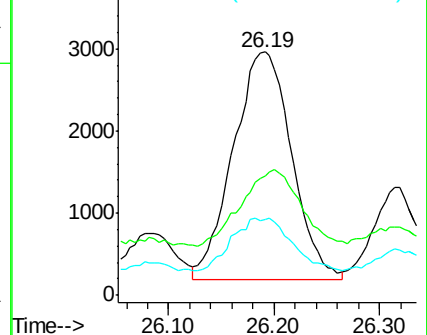
279 31.1 25.9 38.9



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: 0.27 ng/ul

RT: 26.95 min Scan# 4419

Delta R.T. -0.00 min

Lab File: BE093153.D

Acq: 14 Jun 2017 4:53

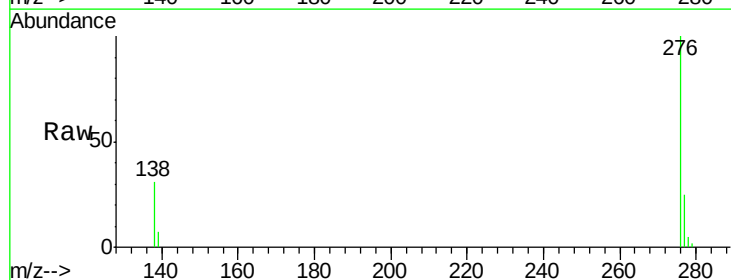
Tgt Ion: 276 Resp: 33868

Ion Ratio Lower Upper

276 100

138 31.4 21.8 32.8

277 24.7 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

