

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093227.D
 Acq On : 16 Jun 2017 2:41
 Operator : SJ/MA
 Sample : I3521-13DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 05:37:44 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 05:36:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3174	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	15956	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8900	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	21194	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	22486	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	19979	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1086	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	2664	0.05	ng/ul	0.00

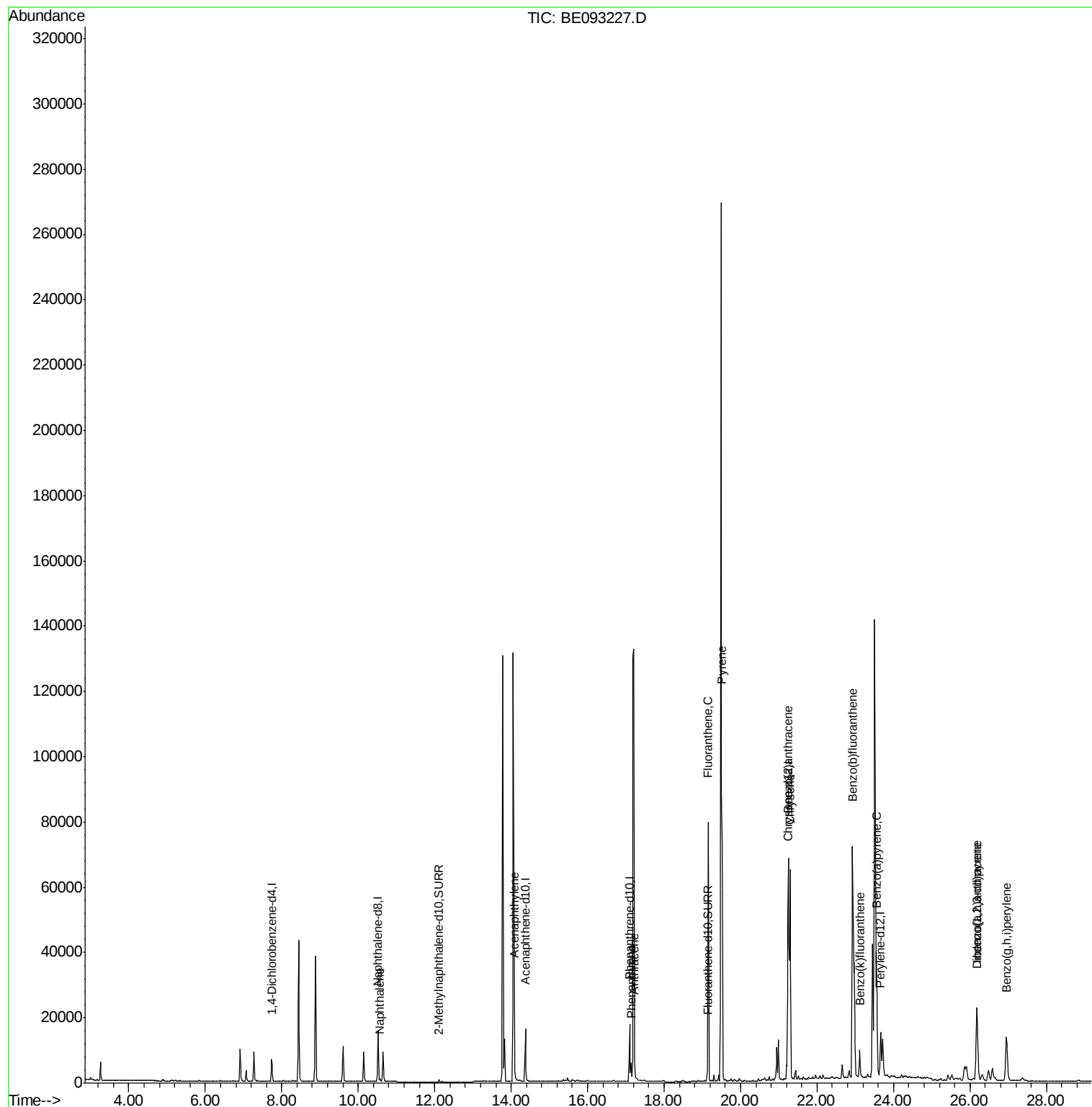
Target Compounds				Ovalue		
3) Naphthalene	10.56	128	1012	0.03	ng/ul#	87
7) Acenaphthylene	14.08	152	7194	0.19	ng/ul	97
12) Phenanthrene	17.14	178	5928	0.10	ng/ul#	89
13) Anthracene	17.22	178	10227	0.20	ng/ul#	88
15) Fluoranthene	19.15	202	82772	1.16	ng/ul	84
17) Pyrene	19.52	202	106424	1.60	ng/ul#	82
18) Benzo(a)anthracene	21.24	228	58836	0.98	ng/ul#	85
19) Chrysene	21.30	228	73988	1.19	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	163436	2.70	ng/ul	87
22) Benzo(k)fluoranthene	23.12	252	10301	0.16	ng/ul	96
23) Benzo(a)pyrene	23.55	252	51778	0.90	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	38197	0.58	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.20	278	9621	0.17	ng/ul#	88
26) Benzo(g,h,i)perylene	26.96	276	29918	0.53	ng/ul	98

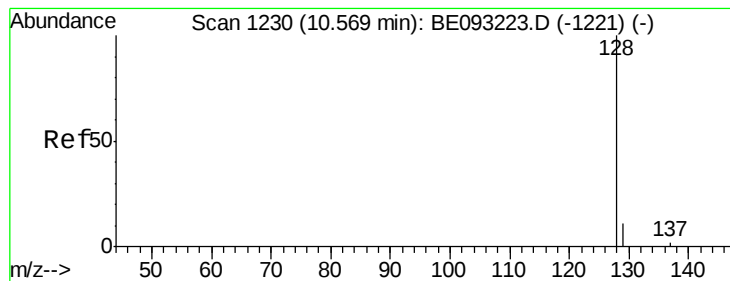
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.01 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

Instrument :

BNA_E

ClientSampleId :

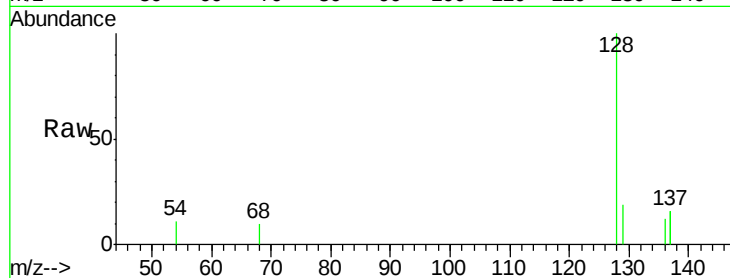
Tot Ion:128 Resp: 1012

Ion Ratio Lower Upper

128 100

129 18.9 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

10.56

800

600

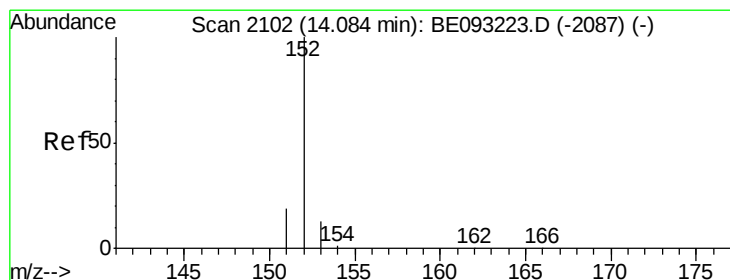
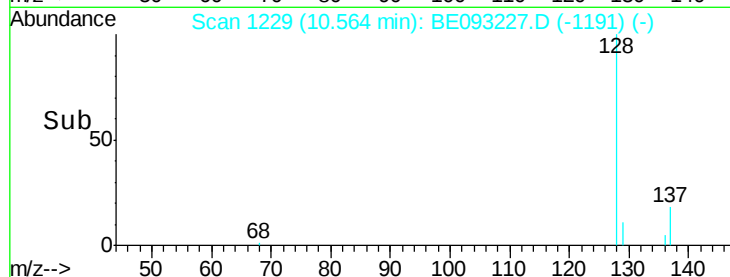
400

200

0

Time-->

10.50 10.55 10.60



#7

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

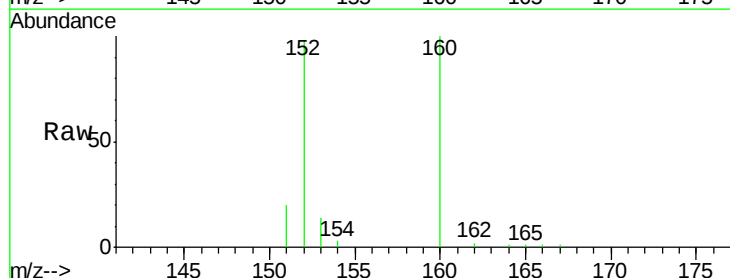
Tgt Ion:152 Resp: 7194

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

153 14.3 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

14.08

5000

4000

3000

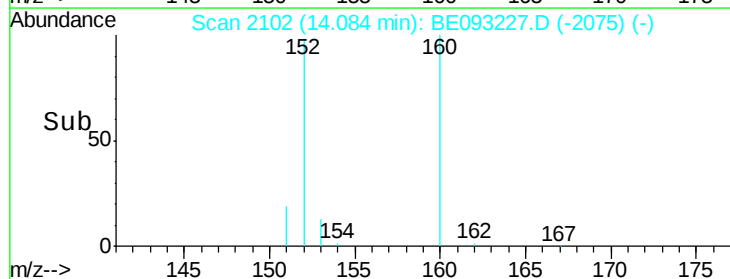
2000

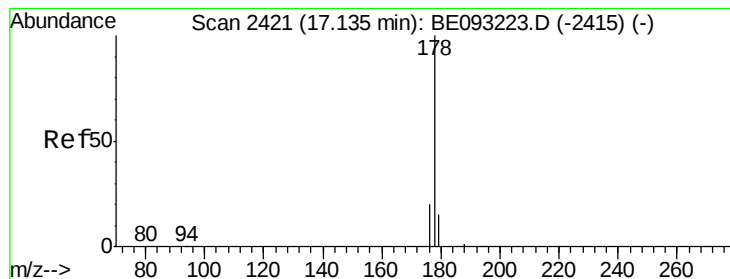
1000

0

Time-->

14.00 14.20





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

Instrument :

BNA_E

ClientSampleId :

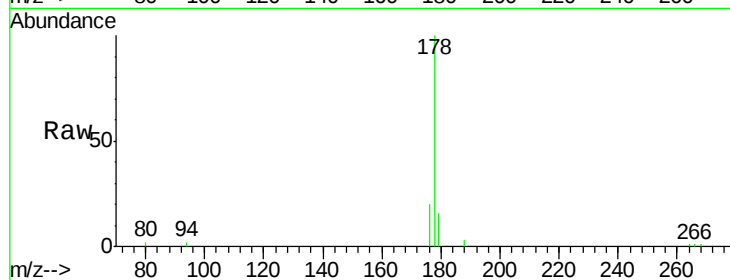
Tot Ion:178 Resp: 5928

Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

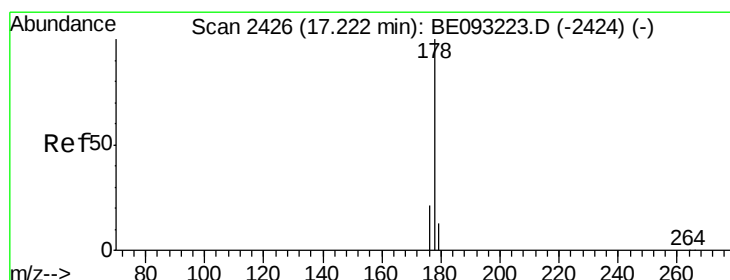
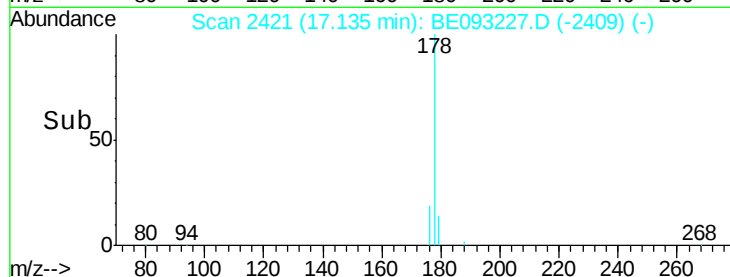
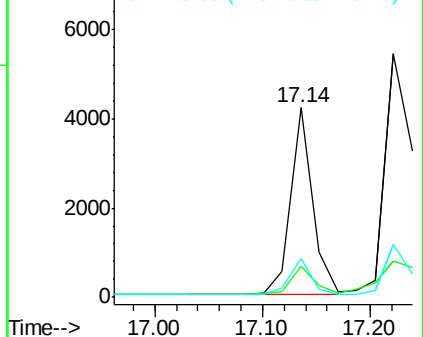
176 20.3 13.6 20.4



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: 0.20 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

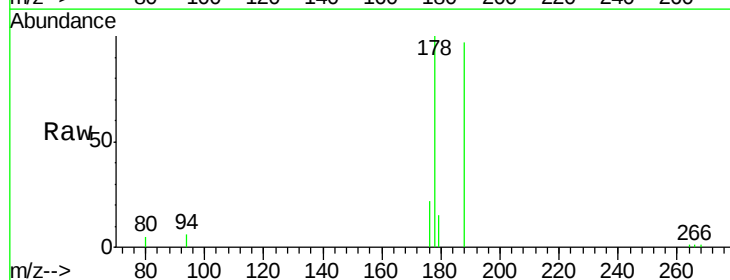
Tgt Ion:178 Resp: 10227

Ion Ratio Lower Upper

178 100

179 14.9 18.1 27.1#

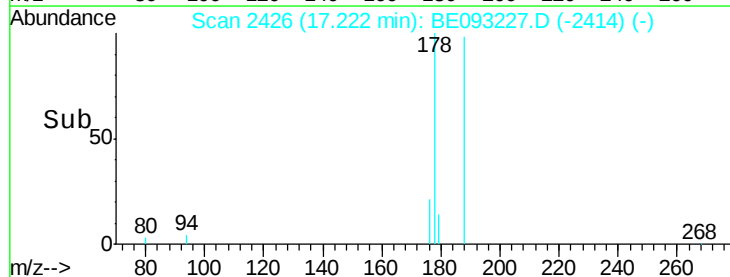
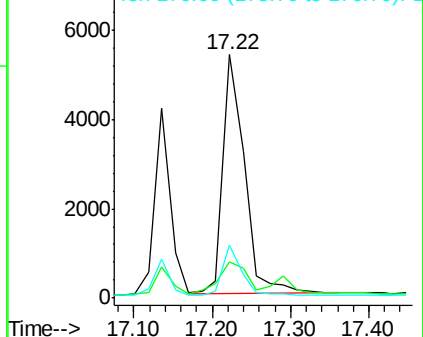
176 21.8 14.7 22.1

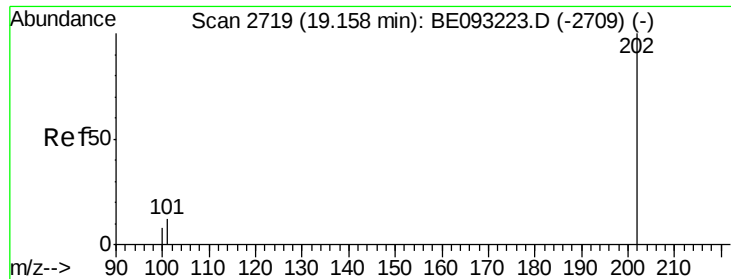


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

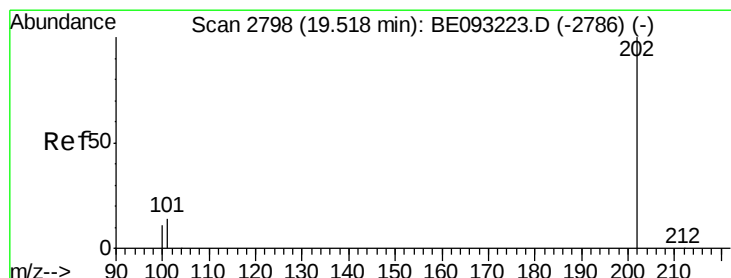
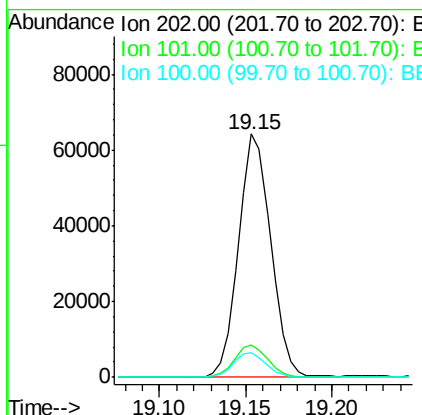
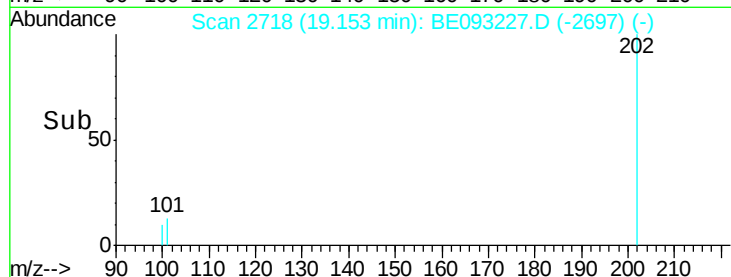
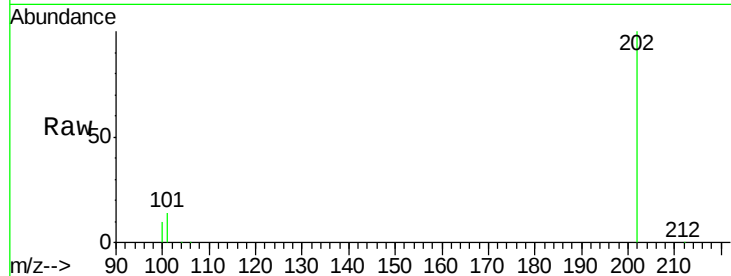




#15
 Fluoranthene
 Concen: 1.16 ng/ul
 RT: 19.15 min Scan# 2718
 Delta R.T. -0.00 min
 Lab File: BE093227.D
 Acq: 16 Jun 2017 2:41

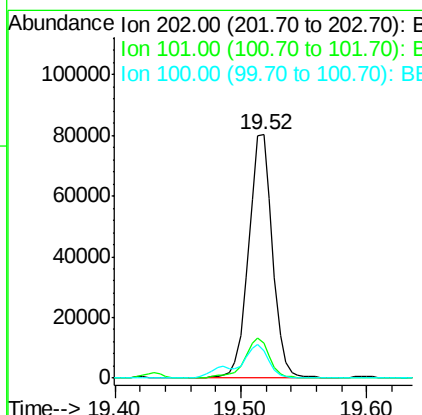
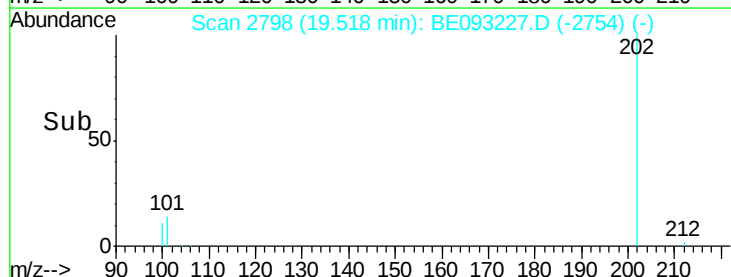
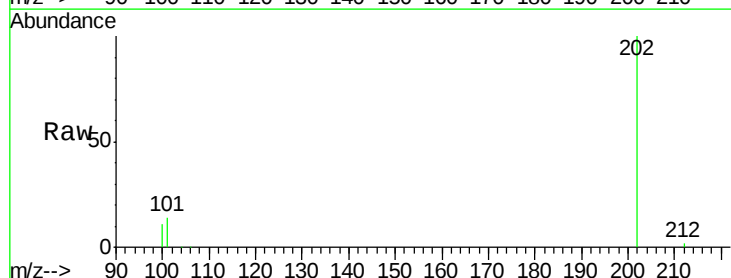
Instrument :
 BNA_E
 ClientSampleId :

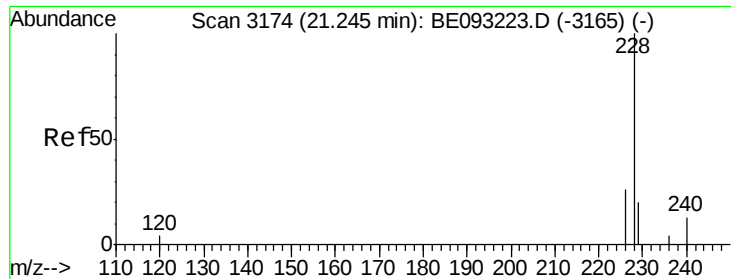
Tot Ion:202 Resp: 82772
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 30.3
 100 10.3 0.0 39.5



#17
 Pyrene
 Concen: 1.60 ng/ul
 RT: 19.52 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BE093227.D
 Acq: 16 Jun 2017 2:41

Tgt Ion:202 Resp: 106424
 Ion Ratio Lower Upper
 202 100
 101 14.4 18.2 27.4#
 100 11.4 15.6 23.4#

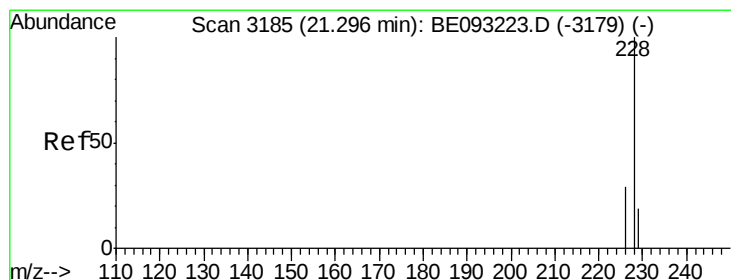
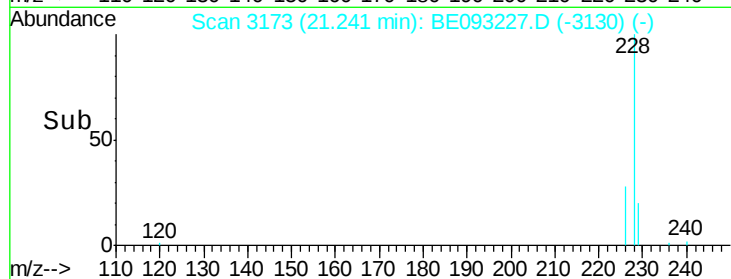
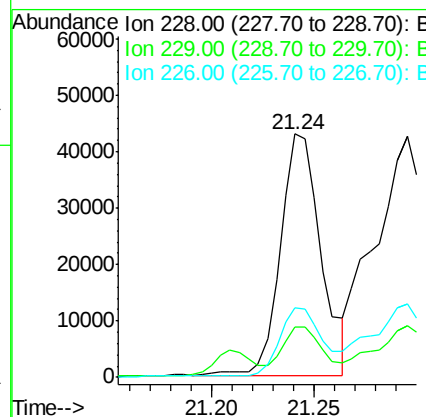
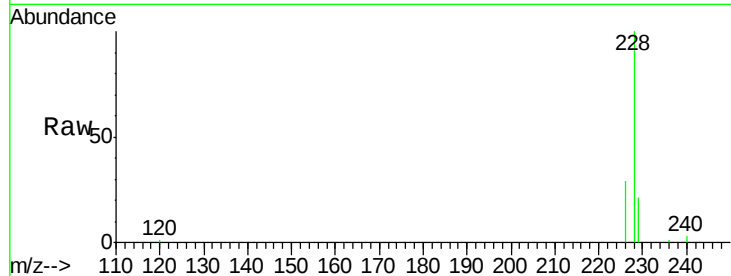




#18
Benzo(a)anthracene
Concen: 0.98 ng/ul
RT: 21.24 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BE093227.D
Acq: 16 Jun 2017 2:41

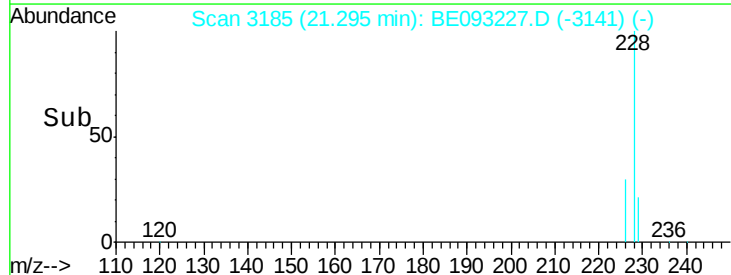
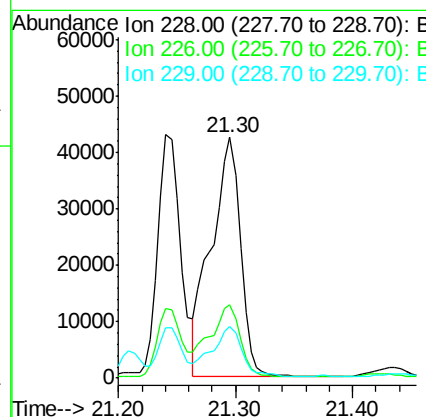
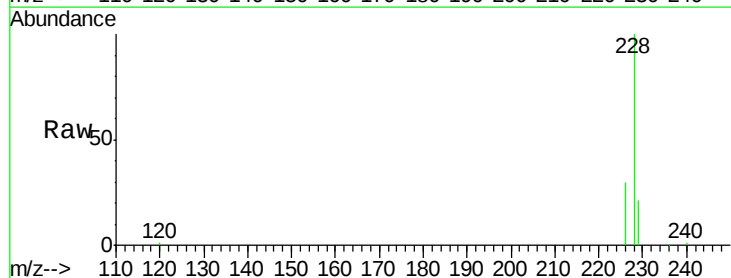
Instrument :
BNA_E
ClientSampled :

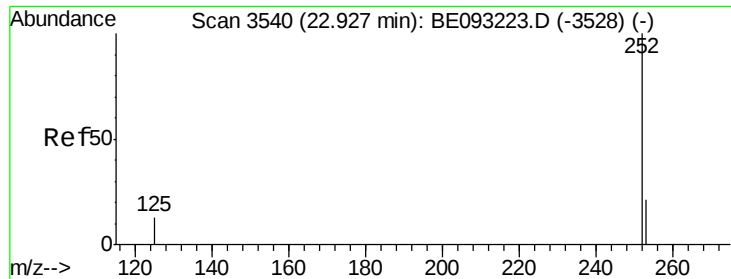
Tot Ion:228 Resp: 58836
Ion Ratio Lower Upper
228 100
229 20.7 22.8 34.2#
226 28.8 17.0 25.6#



#19
Chrysene
Concen: 1.19 ng/ul
RT: 21.30 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BE093227.D
Acq: 16 Jun 2017 2:41

Tgt Ion:228 Resp: 73988
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.0
229 21.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.70 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

Instrument :

BNA_E

ClientSampleId :

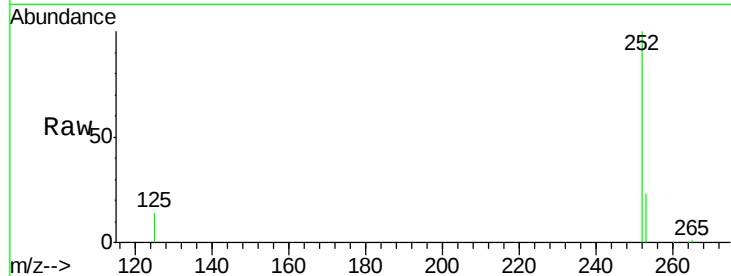
Tot Ion:252 Resp: 163436

Ion Ratio Lower Upper

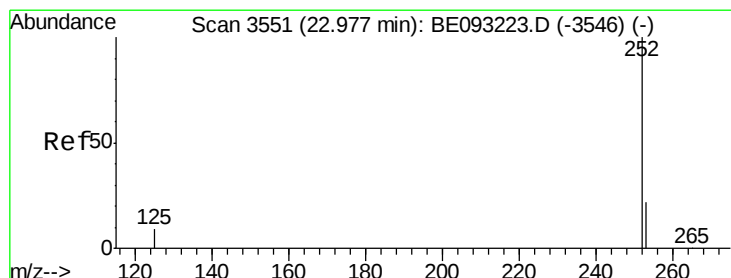
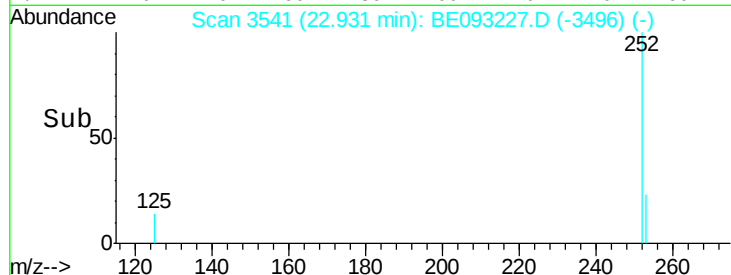
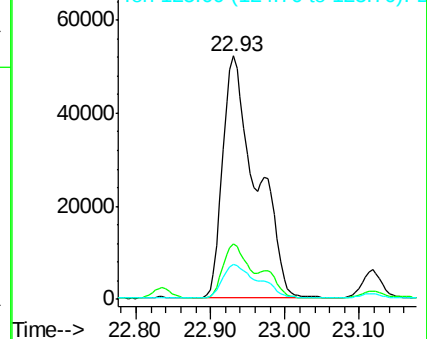
252 100

253 23.0 0.0 64.2

125 14.2 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: 0.16 ng/ul

RT: 23.12 min Scan# 3582

Delta R.T. 0.14 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

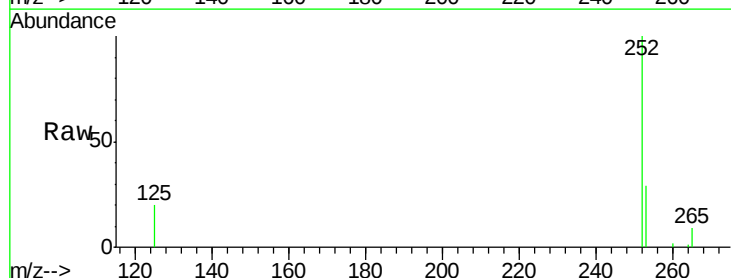
Tgt Ion:252 Resp: 10301

Ion Ratio Lower Upper

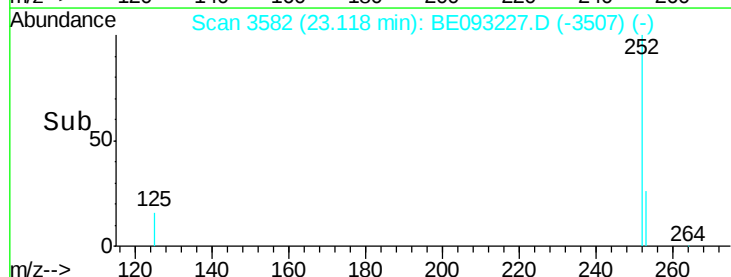
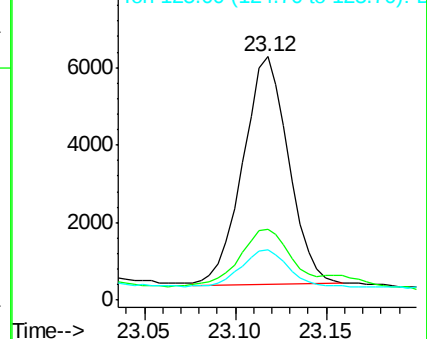
252 100

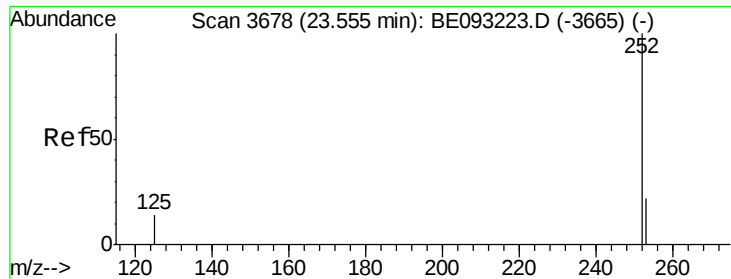
253 29.1 24.5 36.7

125 20.4 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: 0.90 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

Instrument :

BNA_E

ClientSampleId :

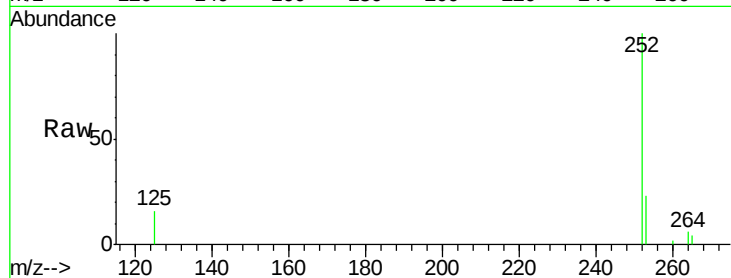
Tot Ion:252 Resp: 51778

Ion Ratio Lower Upper

252 100

253 23.0 28.5 42.7#

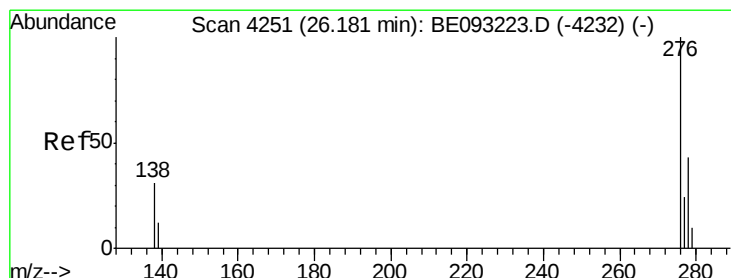
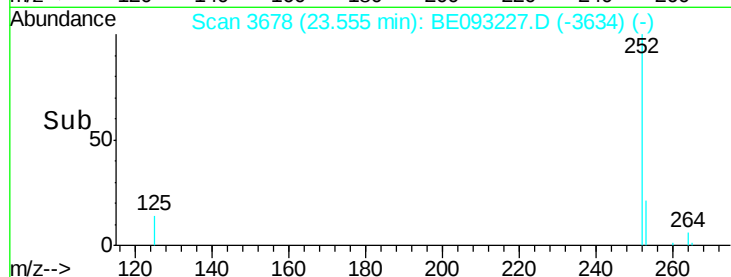
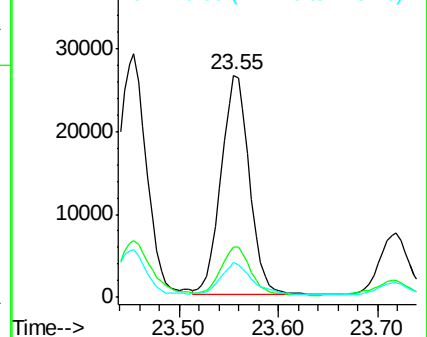
125 15.5 18.1 27.1#



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: 0.58 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. -0.00 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

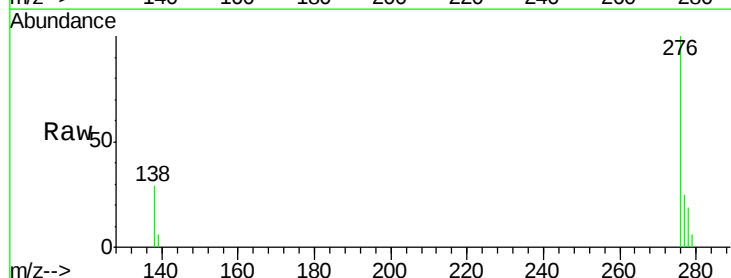
Tgt Ion:276 Resp: 38197

Ion Ratio Lower Upper

276 100

138 28.9 28.0 42.0

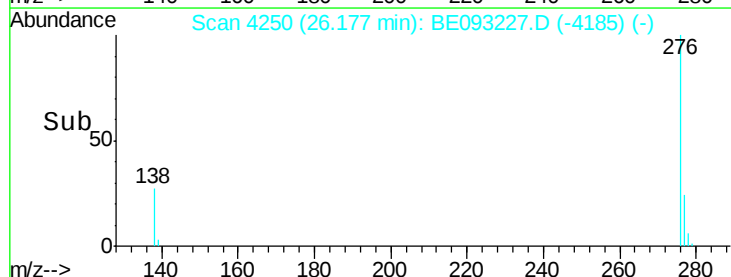
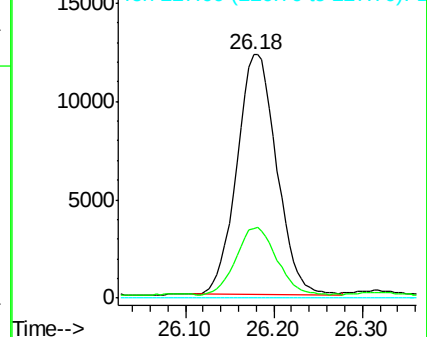
227 0.0 8.0 12.0#

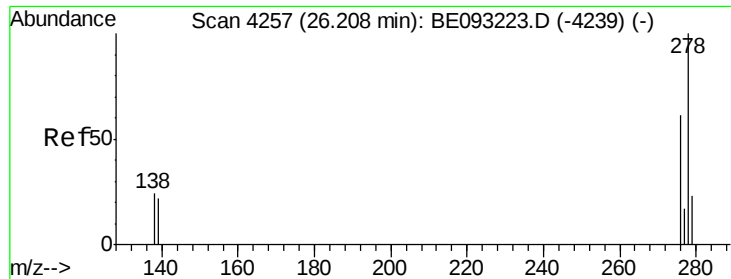


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.17 ng/ul

RT: 26.20 min Scan# 4255

Delta R.T. -0.01 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

Instrument :

BNA_E

ClientSampleId :

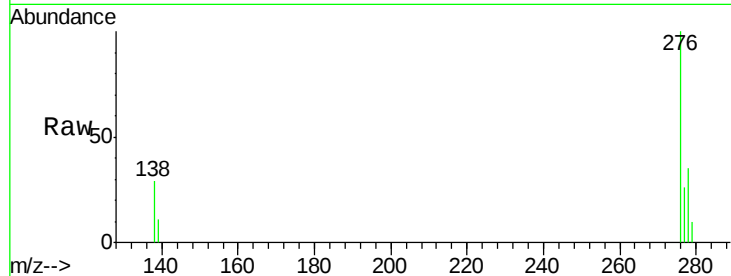
Tot Ion:278 Resp: 9621

Ion Ratio Lower Upper

278 100

139 30.7 17.4 26.0#

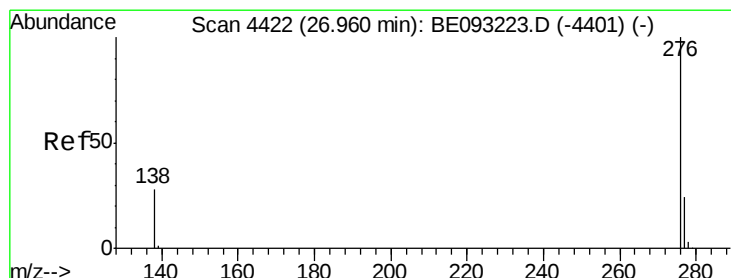
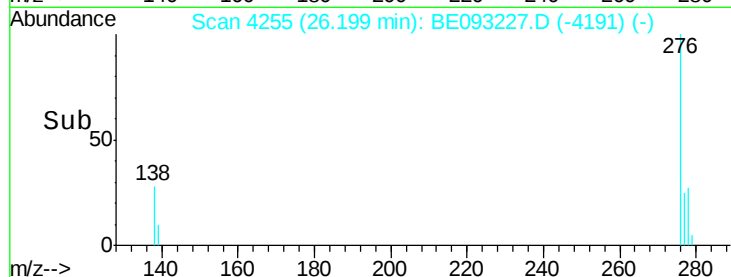
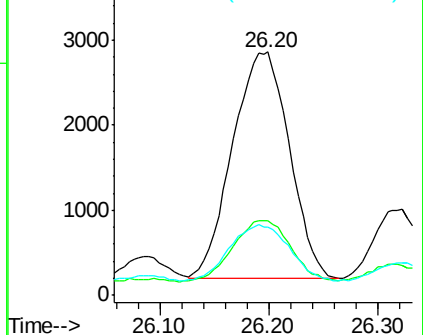
279 28.0 25.9 38.9



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: 0.53 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. -0.00 min

Lab File: BE093227.D

Acq: 16 Jun 2017 2:41

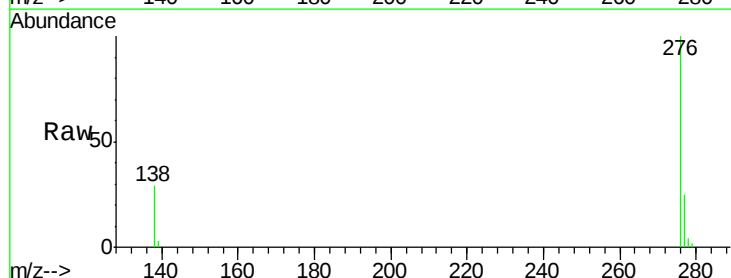
Tgt Ion:276 Resp: 29918

Ion Ratio Lower Upper

276 100

138 29.0 21.8 32.8

277 24.9 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

