

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093228.D
 Acq On : 16 Jun 2017 3:17
 Operator : SJ/MA
 Sample : I3520-20DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 05:37:56 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : 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	3034	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	15347	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8624	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20209	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21165	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	18426	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	839	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	2064	0.04	ng/ul	0.00

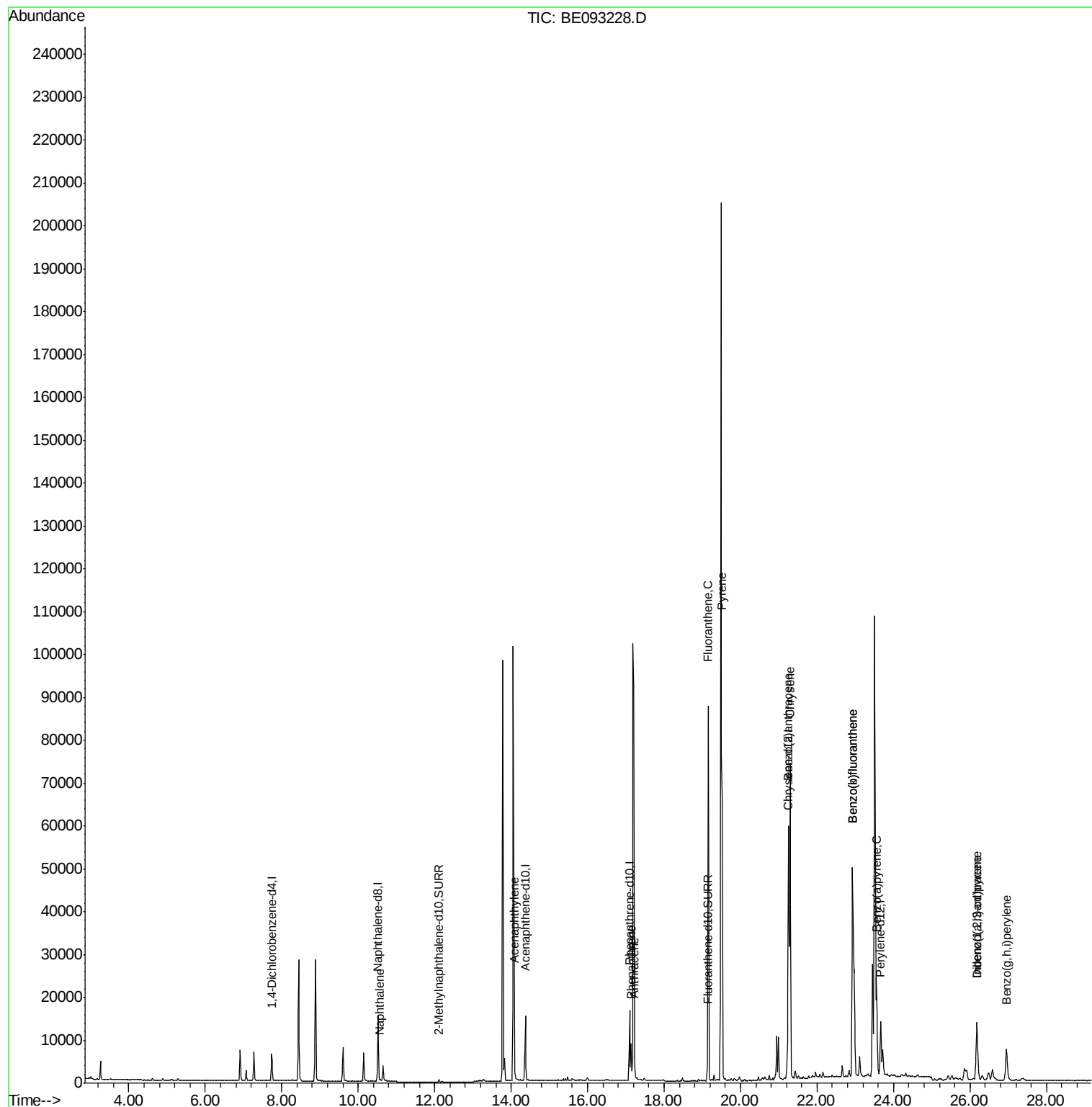
Target Compounds						Ovalue
3) Naphthalene	10.56	128	474	0.01	ng/ul#	74
7) Acenaphthylene	14.08	152	4367	0.12	ng/ul	99
12) Phenanthrene	17.14	178	9039	0.16	ng/ul#	87
13) Anthracene	17.22	178	6568	0.14	ng/ul#	89
15) Fluoranthene	19.15	202	92749	1.36	ng/ul	84
17) Pyrene	19.51	202	100459	1.61	ng/ul#	86
18) Benzo(a)anthracene	21.25	228	49439	0.88	ng/ul#	86
19) Chrysene	21.30	228	76336	1.30	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	116516	2.08	ng/ul	86
22) Benzo(k)fluoranthene	22.93	252	116516	1.96	ng/ul#	88
23) Benzo(a)pyrene	23.55	252	31968	0.60	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.18	276	21959	0.36	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	5878	0.11	ng/ul#	86
26) Benzo(g,h,i)perylene	26.96	276	15787	0.30	ng/ul	96

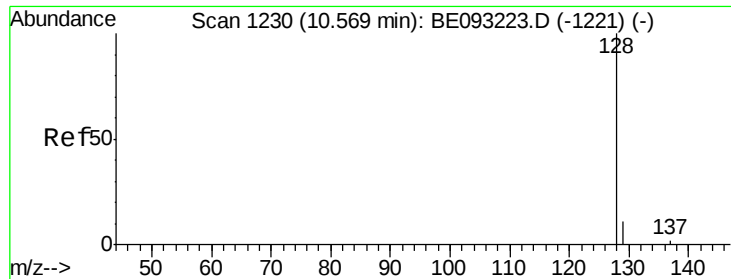
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

Instrument :

BNA_E

ClientSampleId :

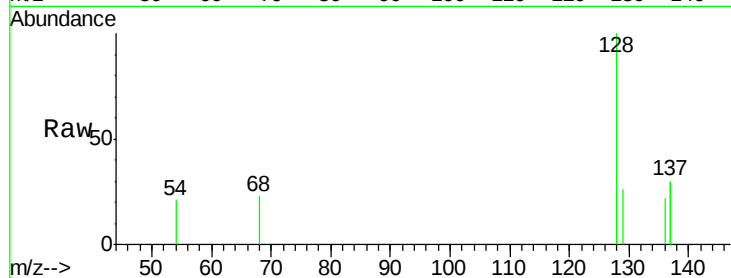
Tot Ion:128 Resp: 474

Ion Ratio Lower Upper

128 100

129 26.2 11.3 16.9#

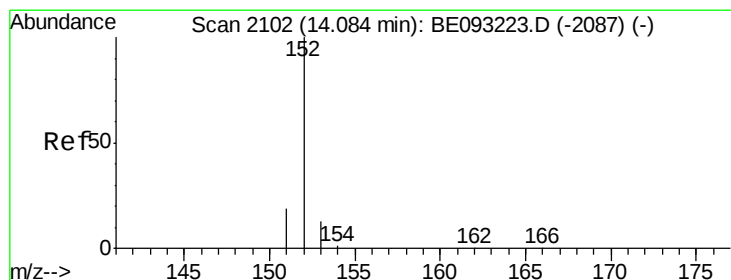
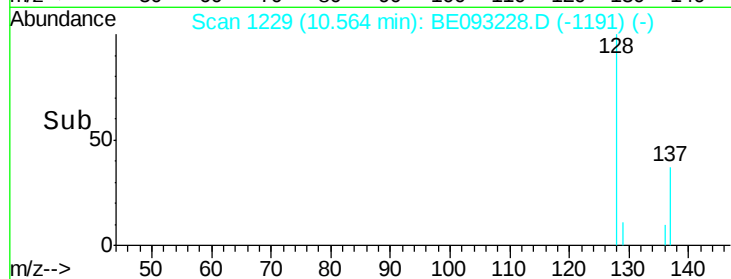
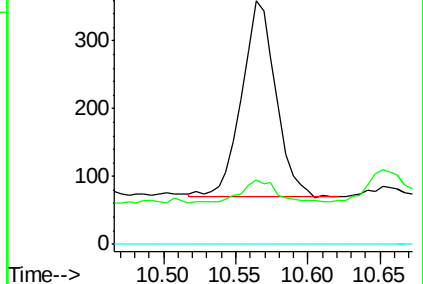
127 0.0 4.0 6.0#



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



#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

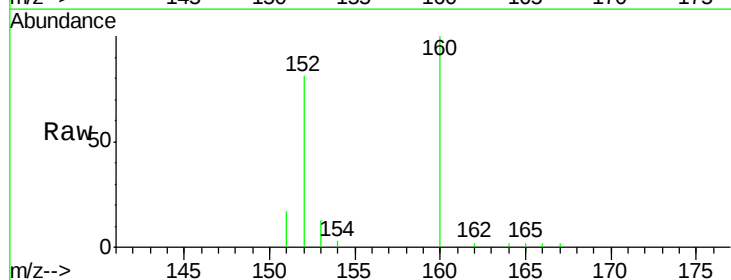
Tgt Ion:152 Resp: 4367

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

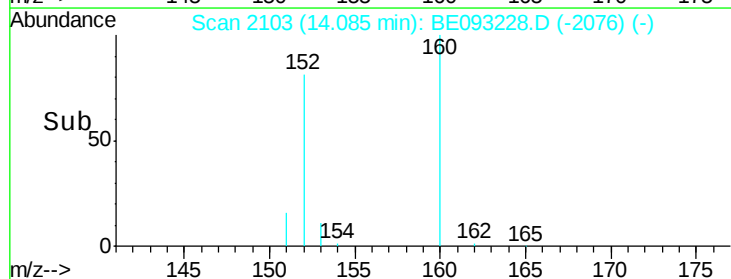
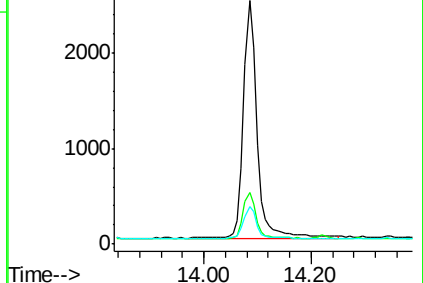
153 15.4 12.8 19.2

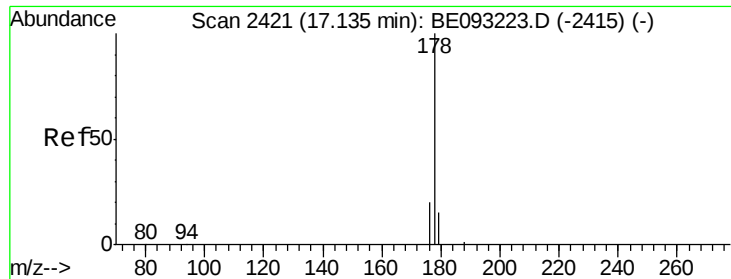


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#12

Phenanthrene

Concen: 0.16 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

Instrument :

BNA_E

ClientSampleId :

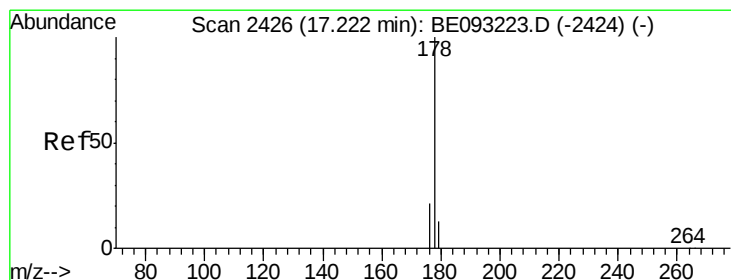
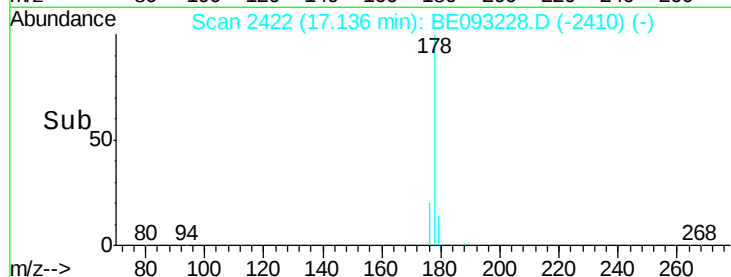
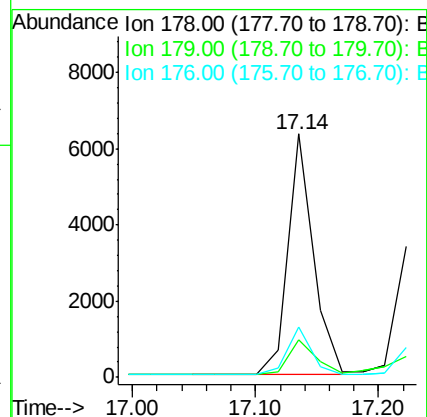
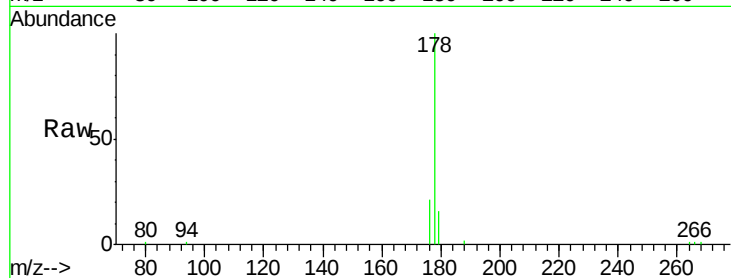
Tot Ion:178 Resp: 9039

Ion Ratio Lower Upper

178 100

179 15.5 18.4 27.6#

176 20.9 13.6 20.4#



#13

Anthracene

Concen: 0.14 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

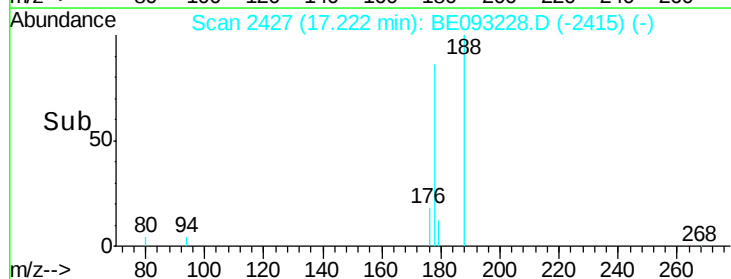
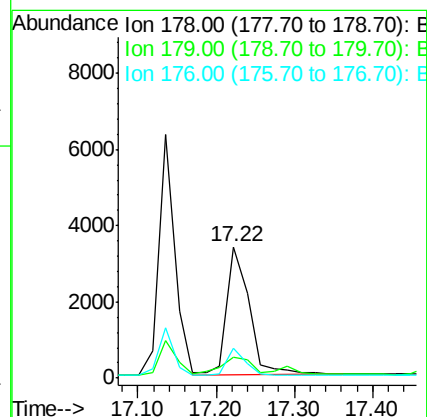
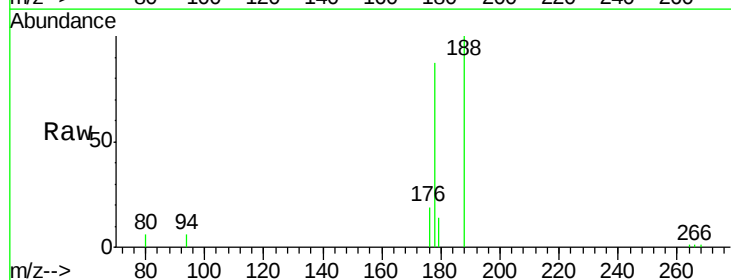
Tgt Ion:178 Resp: 6568

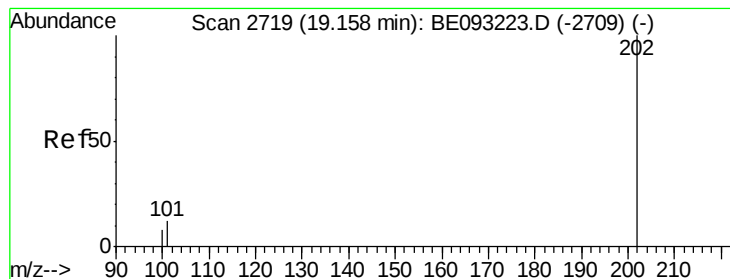
Ion Ratio Lower Upper

178 100

179 16.1 18.1 27.1#

176 22.4 14.7 22.1#





#15

Fluoranthene

Concen: 1.36 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

Instrument :

BNA_E

ClientSampleId :

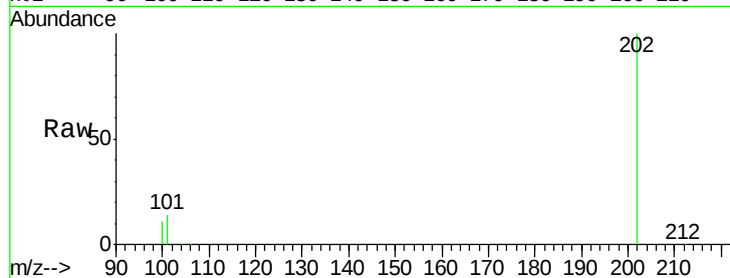
Tot Ion:202 Resp: 92749

Ion Ratio Lower Upper

202 100

101 13.8 0.0 30.3

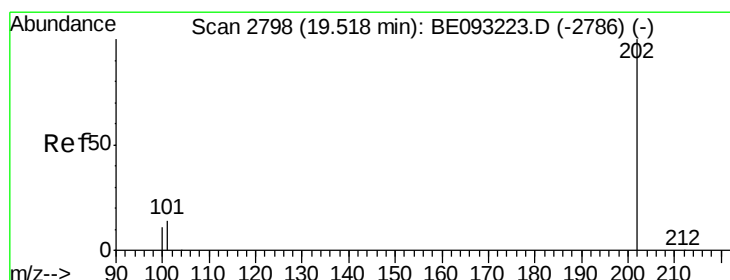
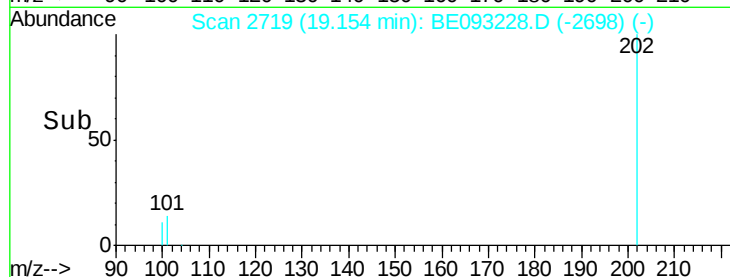
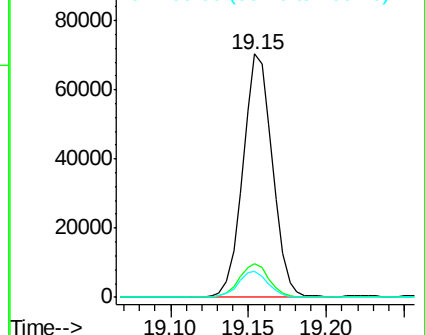
100 10.7 0.0 39.5



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: 1.61 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

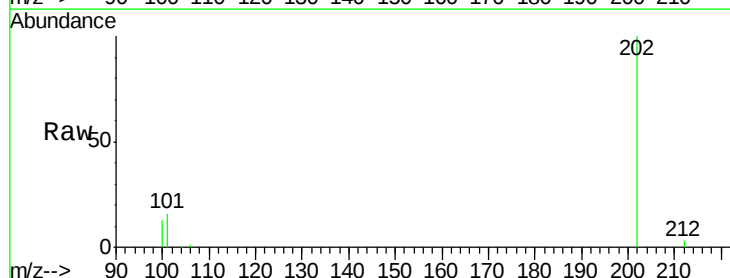
Tgt Ion:202 Resp: 100459

Ion Ratio Lower Upper

202 100

101 16.1 18.2 27.4#

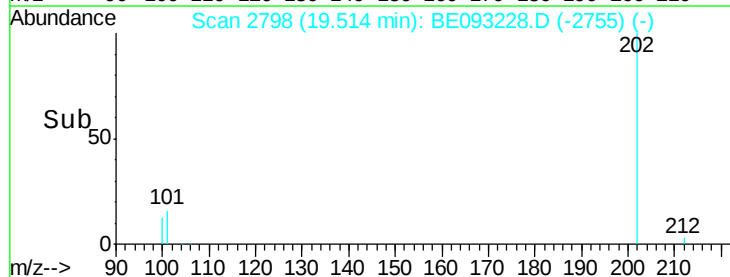
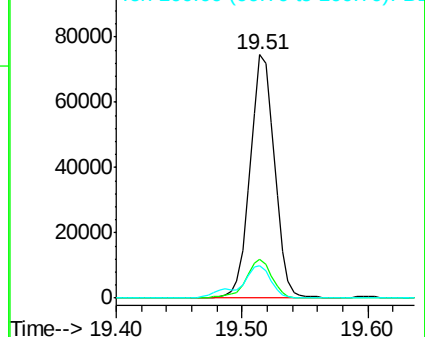
100 13.3 15.6 23.4#

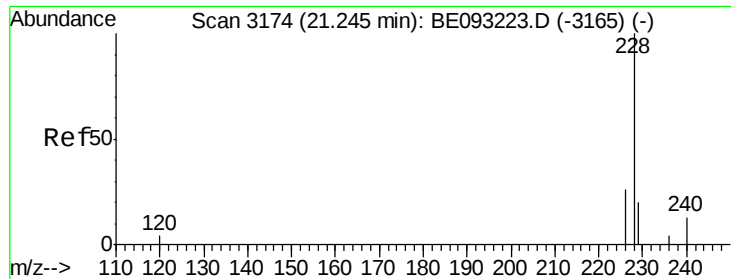


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

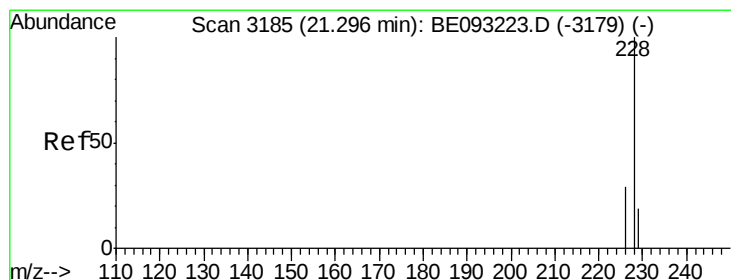
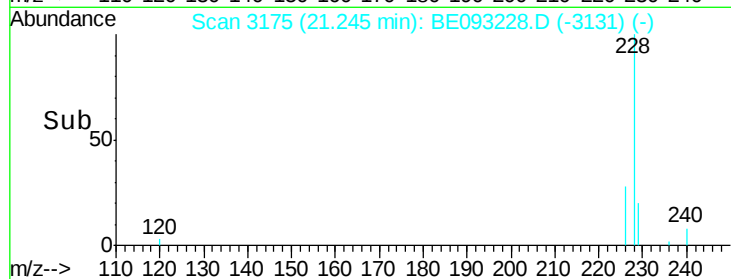
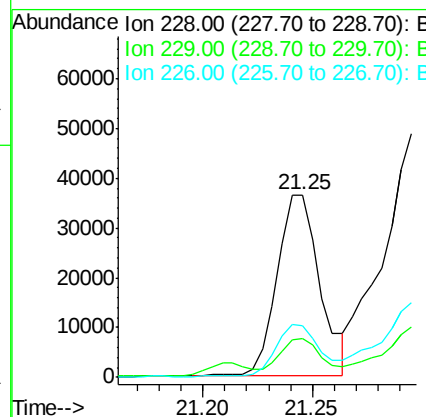
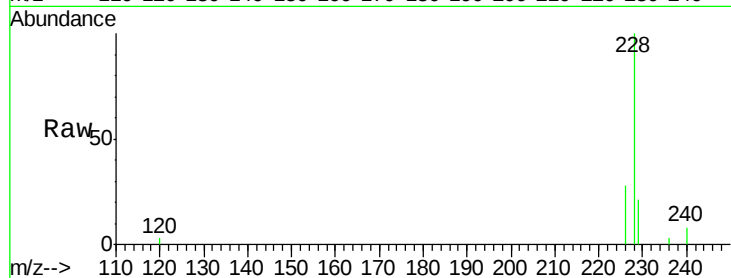




#18
Benzo(a)anthracene
Concen: 0.88 ng/ul
RT: 21.25 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BE093228.D
Acq: 16 Jun 2017 3:17

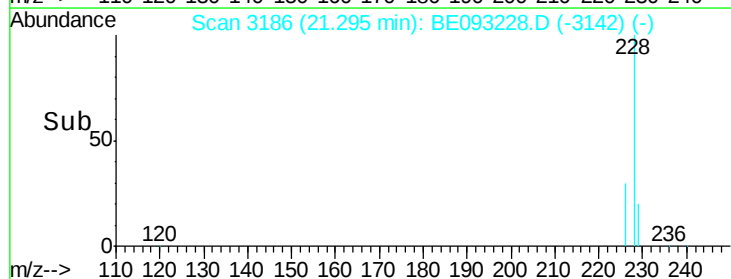
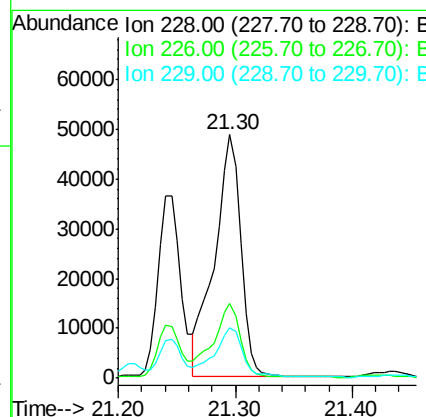
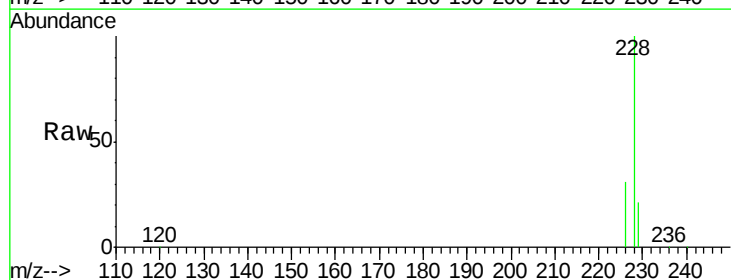
Instrument :
BNA_E
ClientSampleId :

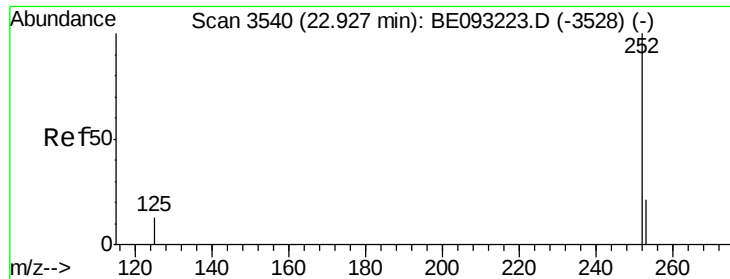
Tot Ion:228 Resp: 49439
Ion Ratio Lower Upper
228 100
229 21.3 22.8 34.2#
226 28.3 17.0 25.6#



#19
Chrysene
Concen: 1.30 ng/ul
RT: 21.30 min Scan# 3186
Delta R.T. -0.00 min
Lab File: BE093228.D
Acq: 16 Jun 2017 3:17

Tgt Ion:228 Resp: 76336
Ion Ratio Lower Upper
228 100
226 30.7 23.4 35.0
229 20.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.08 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

Instrument :

BNA_E

ClientSampleId :

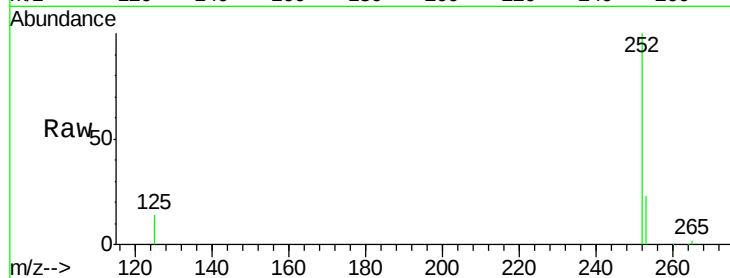
Tot Ion:252 Resp: 116516

Ion Ratio Lower Upper

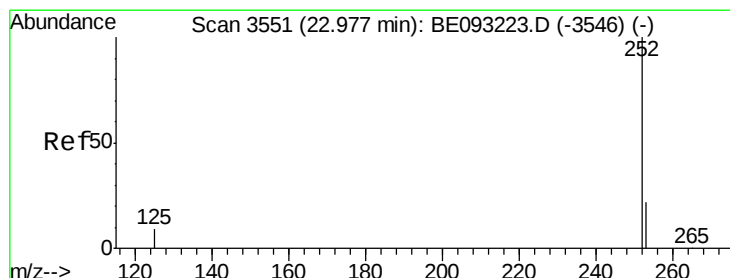
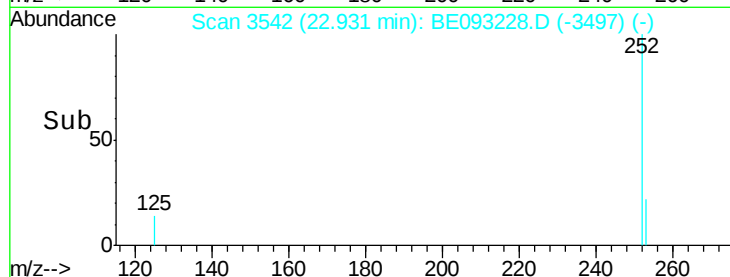
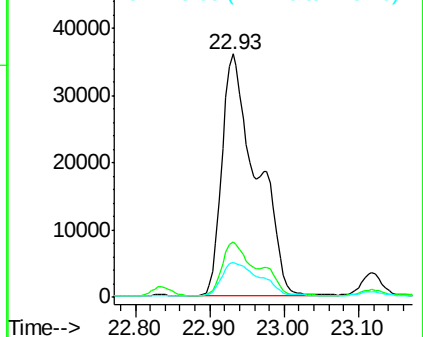
252 100

253 22.5 0.0 64.2

125 14.4 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: 1.96 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. -0.05 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

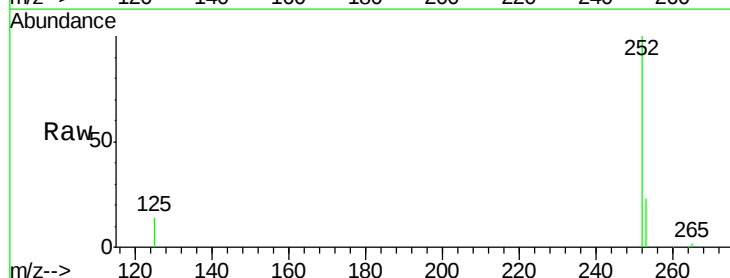
Tgt Ion:252 Resp: 116516

Ion Ratio Lower Upper

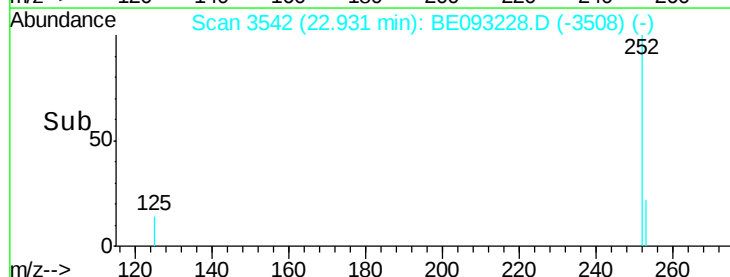
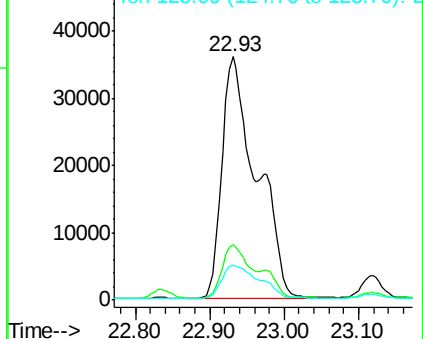
252 100

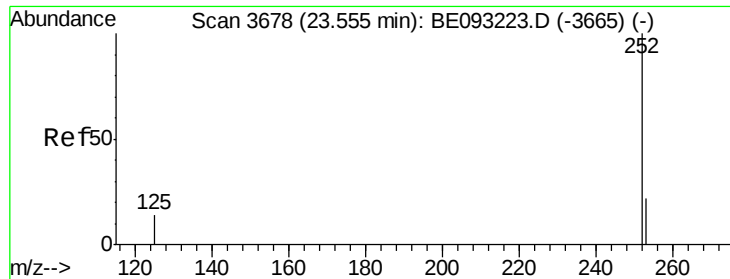
253 22.5 24.5 36.7#

125 14.4 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: 0.60 ng/ul

RT: 23.55 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

Instrument :

BNA_E

ClientSampleId :

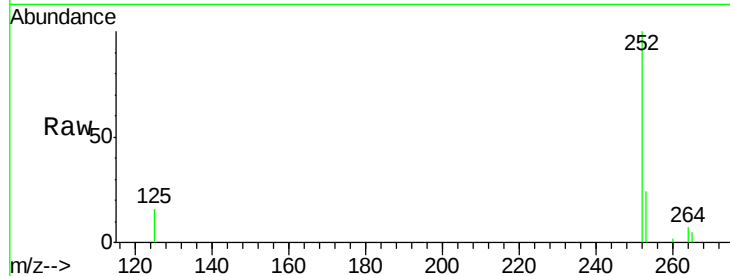
Tot Ion:252 Resp: 31968

Ion Ratio Lower Upper

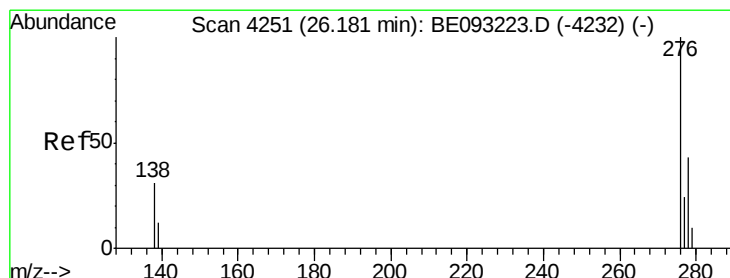
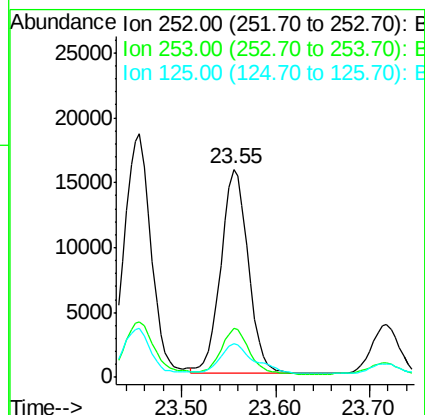
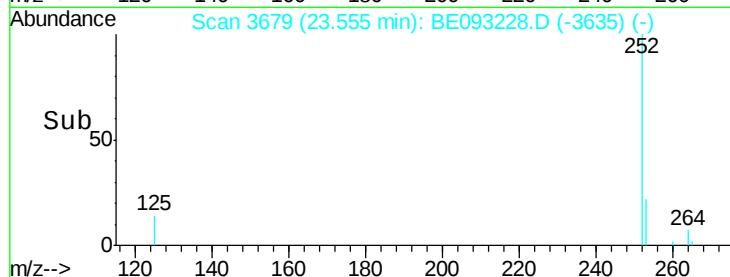
252 100

253 23.8 28.5 42.7#

125 16.2 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: 0.36 ng/ul

RT: 26.18 min Scan# 4252

Delta R.T. 0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

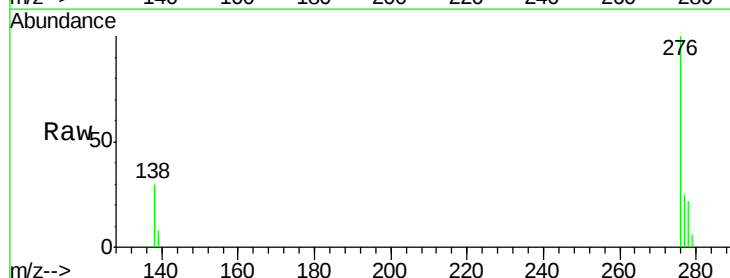
Tgt Ion:276 Resp: 21959

Ion Ratio Lower Upper

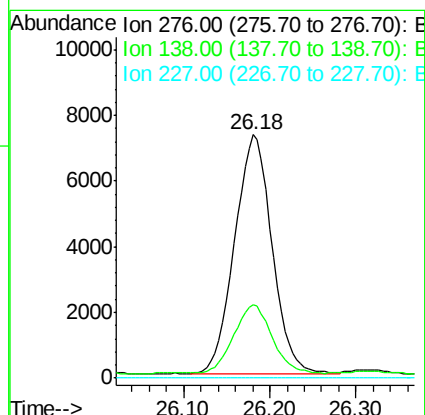
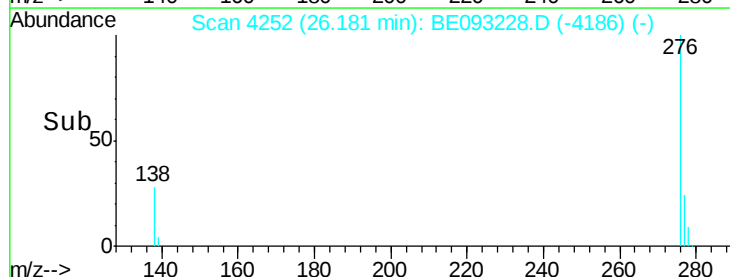
276 100

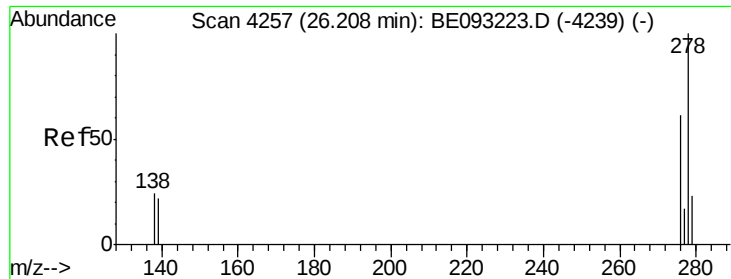
138 28.9 28.0 42.0

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: 0.11 ng/ul

RT: 26.19 min Scan# 4255

Delta R.T. -0.01 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

Instrument :

BNA_E

ClientSampleId :

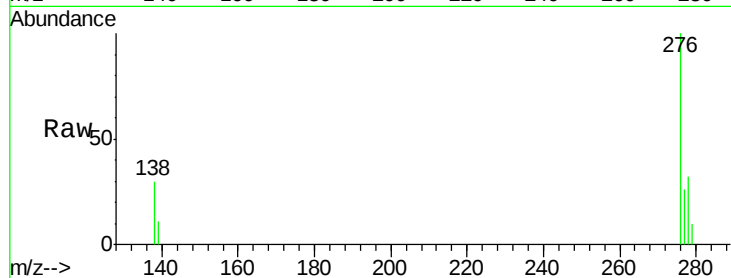
Tot Ion:278 Resp: 5878

Ion Ratio Lower Upper

278 100

139 35.6 17.4 26.0#

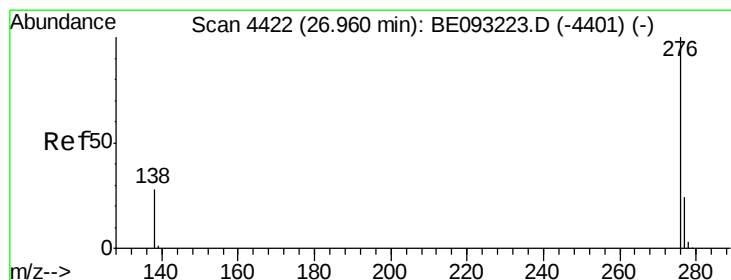
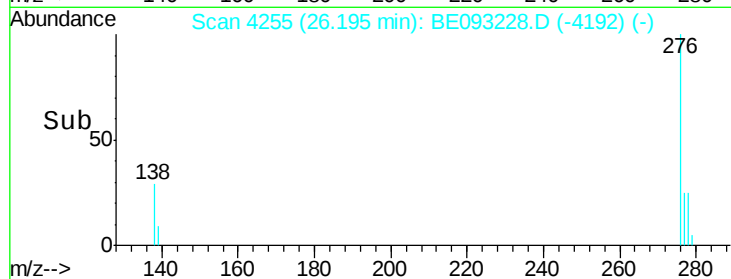
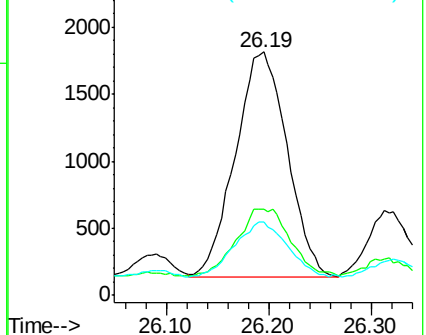
279 30.2 25.9 38.9



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: 0.30 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. -0.00 min

Lab File: BE093228.D

Acq: 16 Jun 2017 3:17

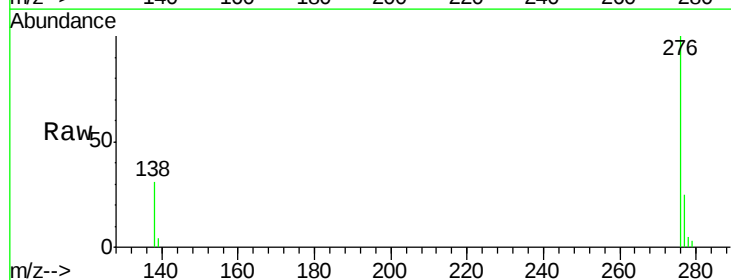
Tgt Ion:276 Resp: 15787

Ion Ratio Lower Upper

276 100

138 30.9 21.8 32.8

277 25.0 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

