

Data File : BE093180.D
Acq On : 14 Jun 2017 21:36
Operator : SJ/MA
Sample : I3520-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A36

Quant Time: Jun 15 04:00:03 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	3926	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	19941	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11792	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	27276	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	26789	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	25753	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4032	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	9953	0.13	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.57	128	746	0.02	ng/ul#	75
7) Acenaphthylene	14.08	152	657	0.01	ng/ul#	64
12) Phenanthrene	17.14	178	5563	0.07	ng/ul#	90
13) Anthracene	17.14	178	5309	0.08	ng/ul	92
15) Fluoranthene	19.15	202	15085	0.16	ng/ul	84
17) Pyrene	19.51	202	14829	0.19	ng/ul#	90
18) Benzo(a)anthracene	21.25	228	5741	0.08	ng/ul#	86
19) Chrysene	21.30	228	7643	0.10	ng/ul#	86
21) Benzo(b)fluoranthene	22.93	252	15288	0.20	ng/ul#	52
22) Benzo(k)fluoranthene	22.93	252	15288	0.18	ng/ul#	49
23) Benzo(a)pyrene	23.56	252	5799	0.08	ng/ul#	48
24) Indeno(1,2,3-cd)pyrene	26.18	276	4375	0.05	ng/ul#	55
25) Dibenzo(a,h)anthracene	26.19	278	1148	0.02	ng/ul#	1
26) Benzo(g,h,i)perylene	26.95	276	3680	0.05	ng/ul#	56

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

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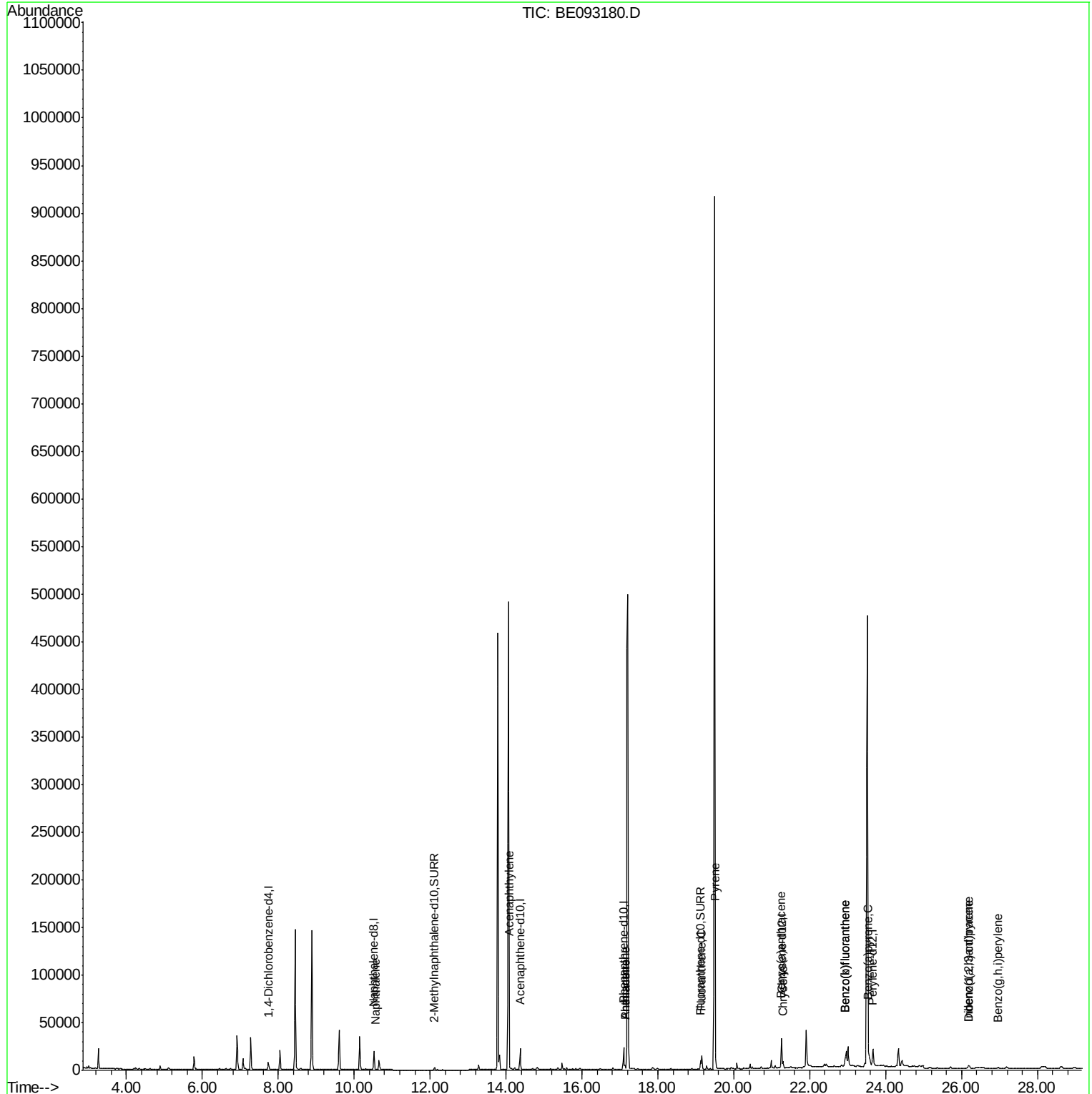
Quant Time: Jun 15 04:00:03 2017

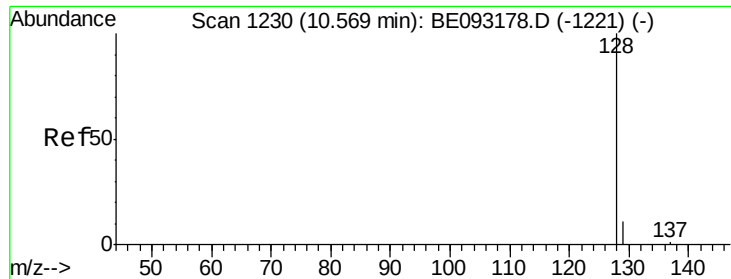
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.02 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

Instrument :

BNA_E

ClientSampleId :

F5A36

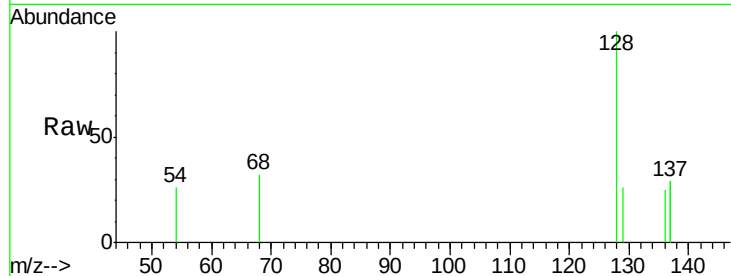
Tgt Ion:128 Resp: 746

Ion Ratio Lower Upper

128 100

129 25.7 11.3 16.9#

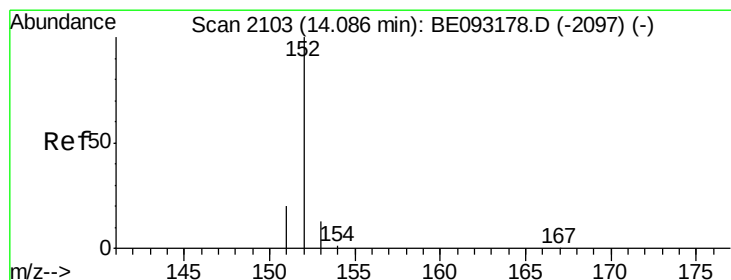
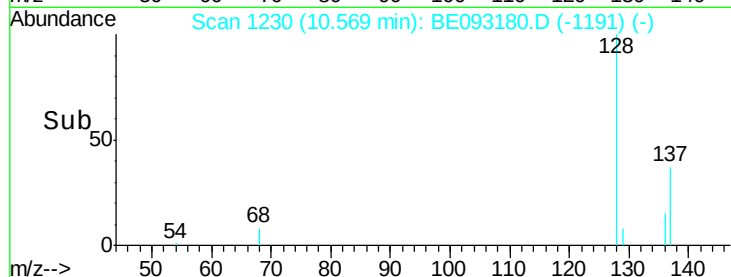
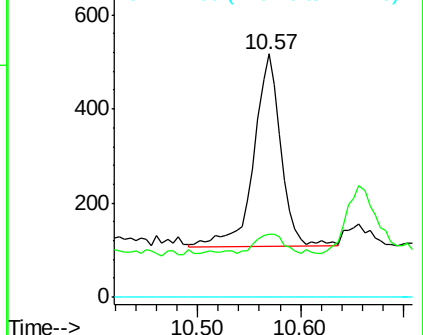
127 0.0 4.0 6.0#



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: 0.01 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

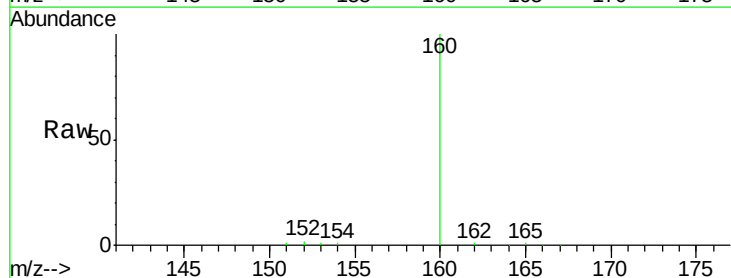
Tgt Ion:152 Resp: 657

Ion Ratio Lower Upper

152 100

151 36.3 17.1 25.7#

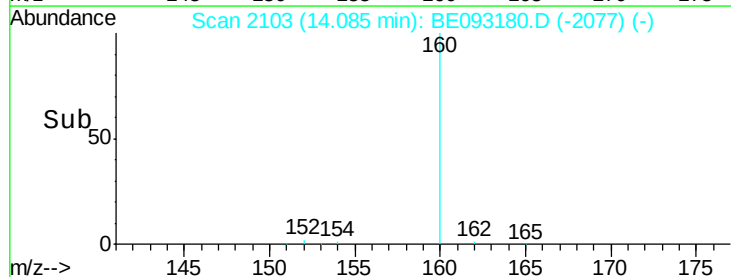
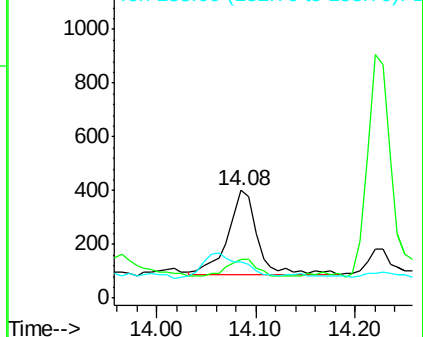
153 34.0 12.8 19.2#

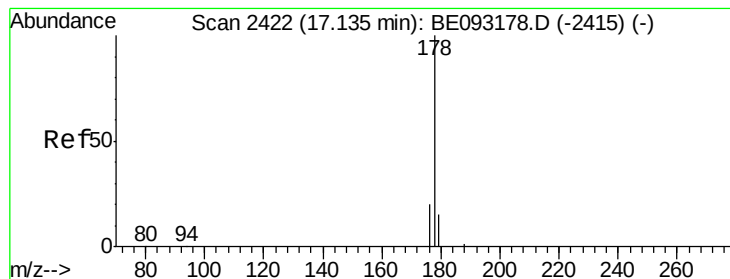


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#12

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

Instrument :

BNA_E

ClientSampleId :

F5A36

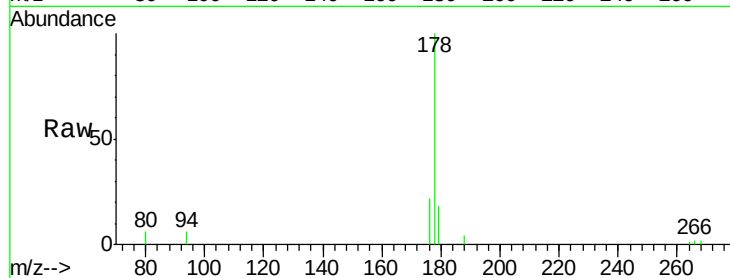
Tgt Ion:178 Resp: 5563

Ion Ratio Lower Upper

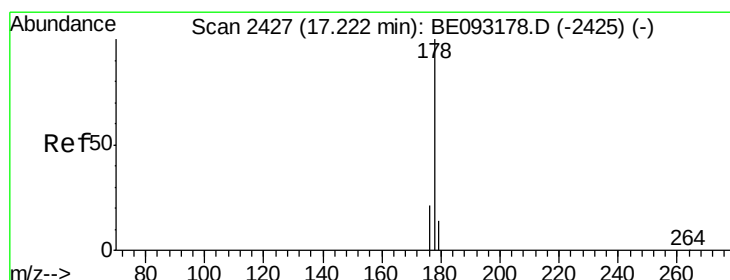
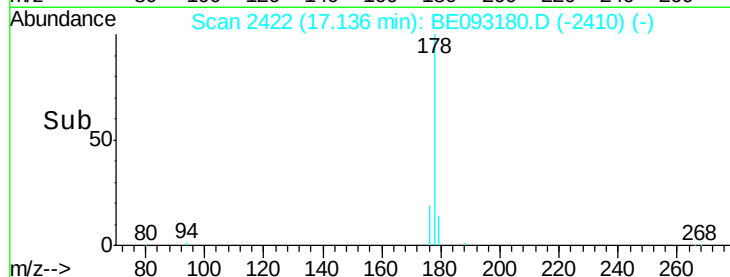
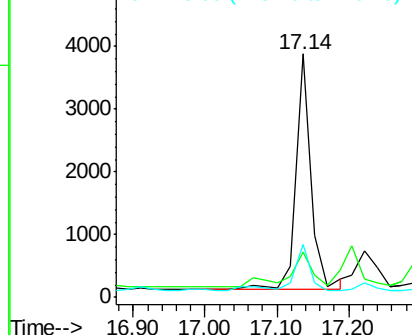
178 100

179 18.3 18.4 27.6#

176 21.9 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: 0.08 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.09 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

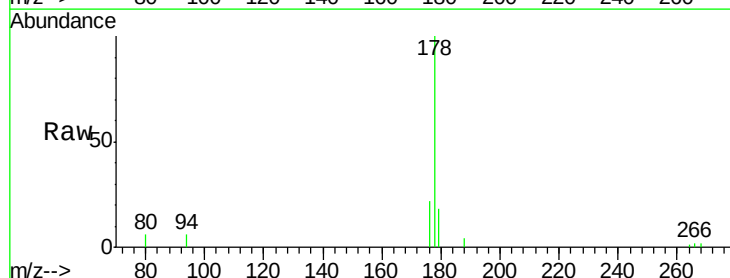
Tgt Ion:178 Resp: 5309

Ion Ratio Lower Upper

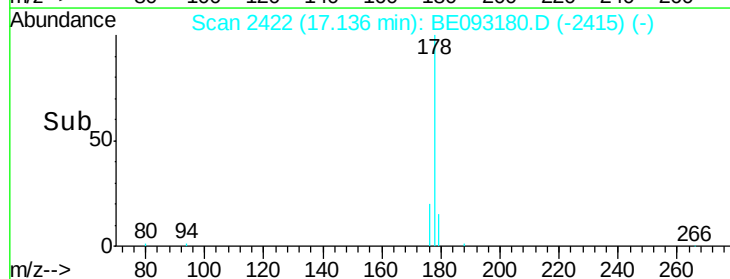
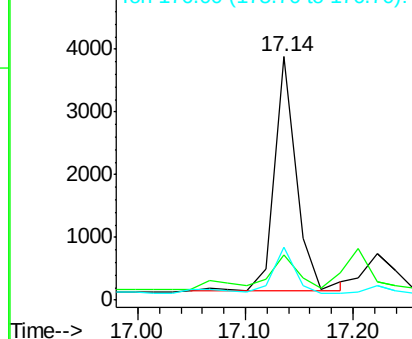
178 100

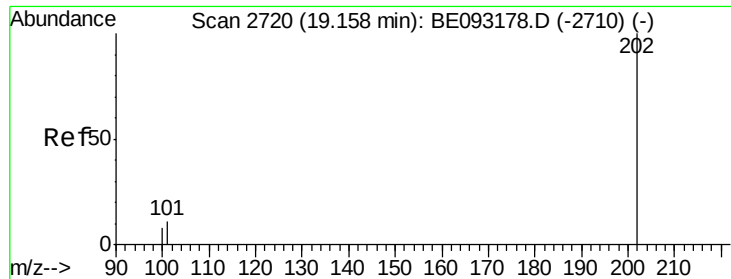
179 18.3 18.1 27.1

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: 0.16 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

Instrument :

BNA_E

ClientSampleId :

F5A36

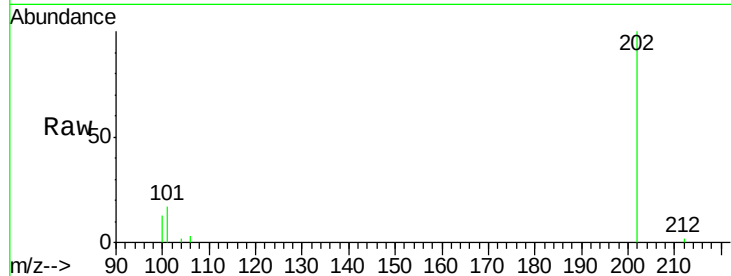
Tgt Ion:202 Resp: 15085

Ion Ratio Lower Upper

202 100

101 17.1 0.0 30.3

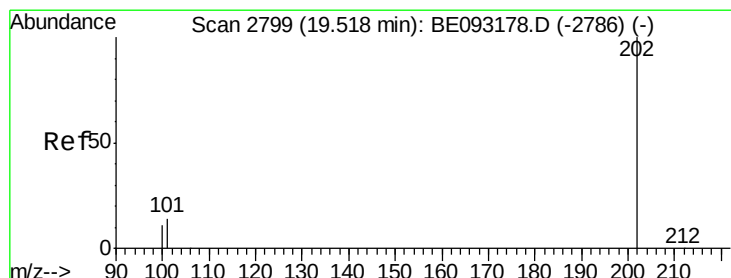
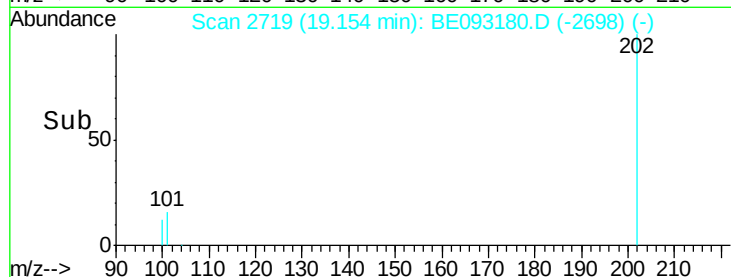
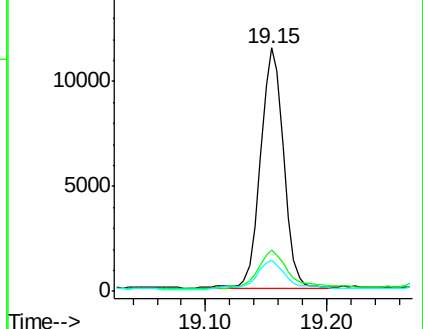
100 12.6 0.0 39.5



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: 0.19 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

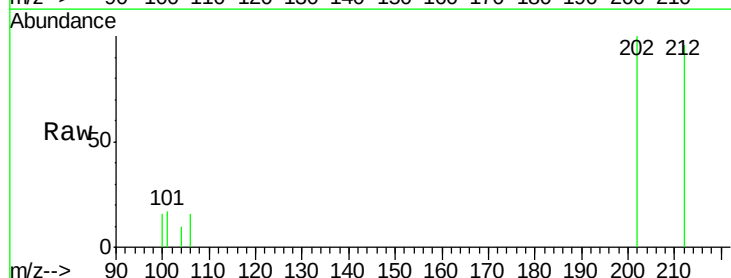
Tgt Ion:202 Resp: 14829

Ion Ratio Lower Upper

202 100

101 17.5 18.2 27.4#

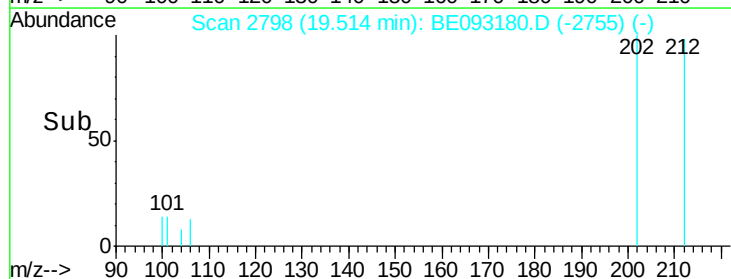
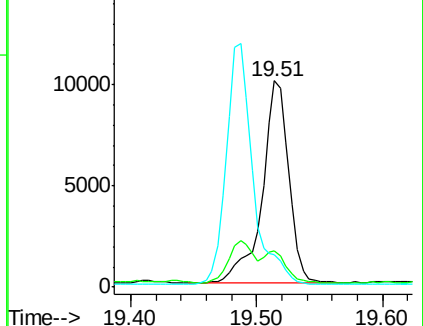
100 15.7 15.6 23.4

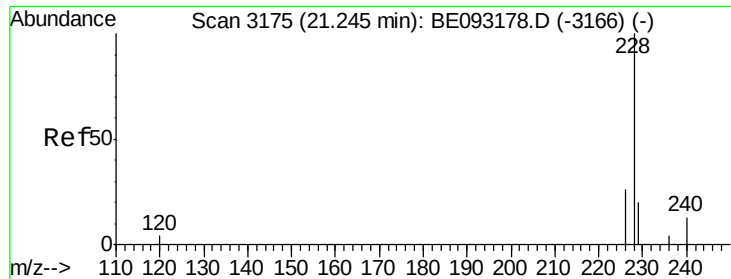


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

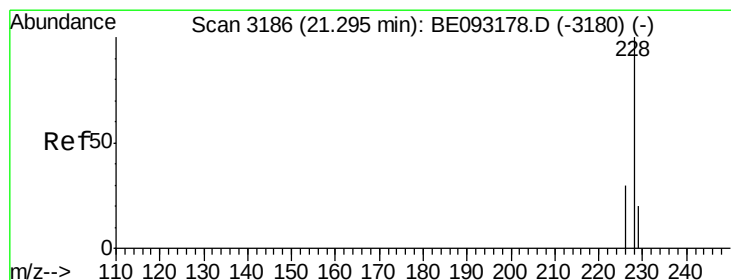
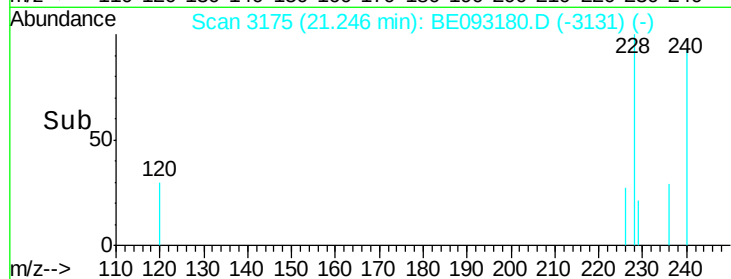
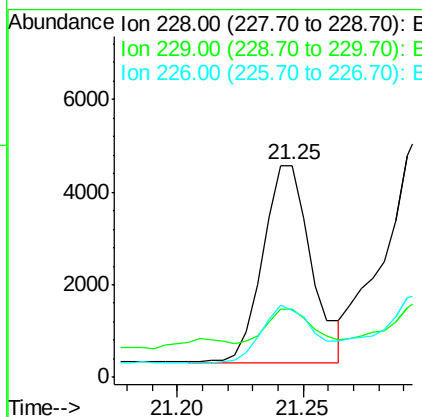
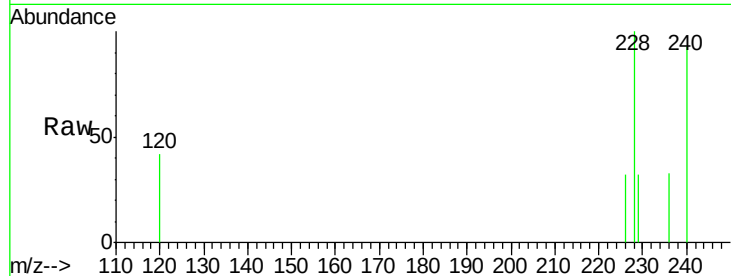




#18
Benzo(a)anthracene
Concen: 0.08 ng/ul
RT: 21.25 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE093180.D
Acq: 14 Jun 2017 21:36

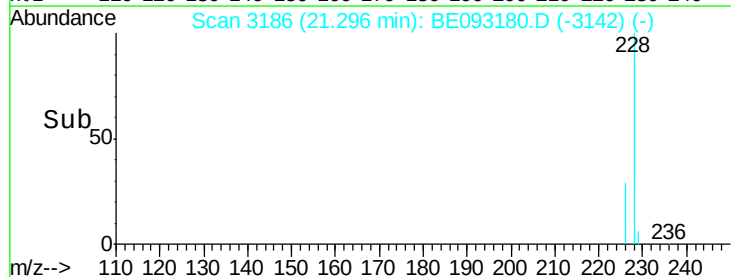
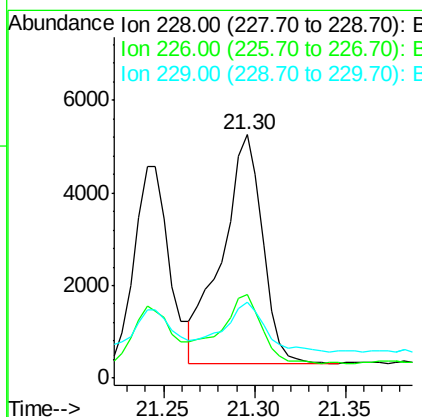
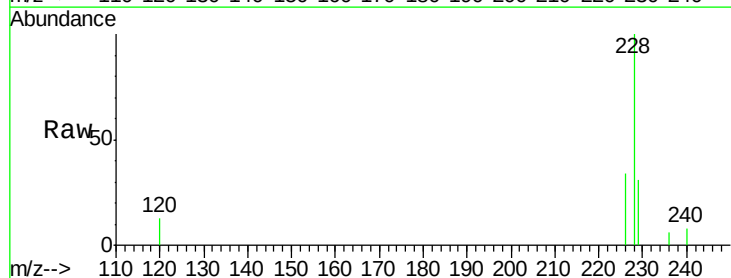
Instrument :
BNA_E
ClientSampleId :
F5A36

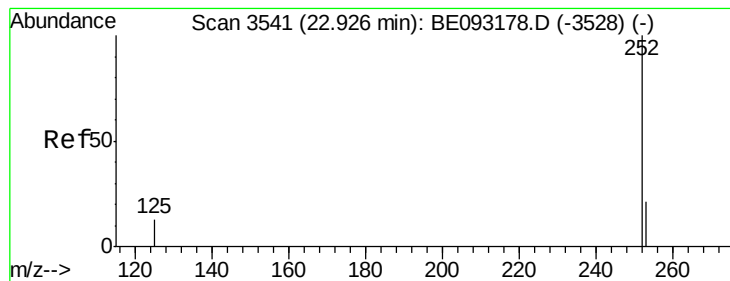
Tgt Ion:228 Resp: 5741
Ion Ratio Lower Upper
228 100
229 32.5 22.8 34.2
226 31.9 17.0 25.6#



#19
Chrysene
Concen: 0.10 ng/ul
RT: 21.30 min Scan# 3186
Delta R.T. 0.00 min
Lab File: BE093180.D
Acq: 14 Jun 2017 21:36

Tgt Ion:228 Resp: 7643
Ion Ratio Lower Upper
228 100
226 34.3 23.4 35.0
229 31.1 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.20 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

Instrument :

BNA_E

ClientSampleId :

F5A36

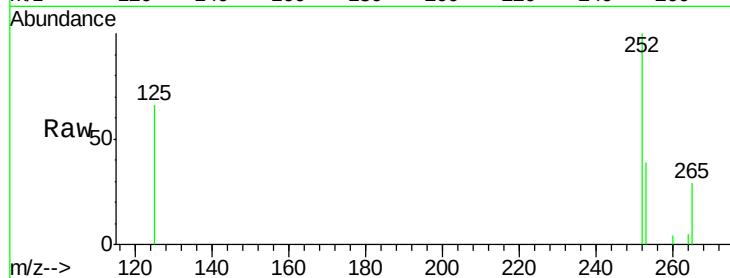
Tgt Ion:252 Resp: 15288

Ion Ratio Lower Upper

252 100

253 39.5 0.0 64.2

125 66.1 0.0 35.0#

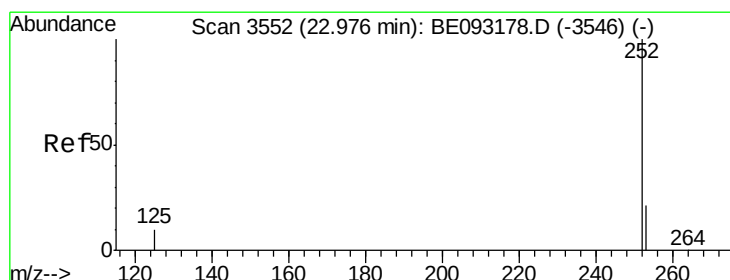
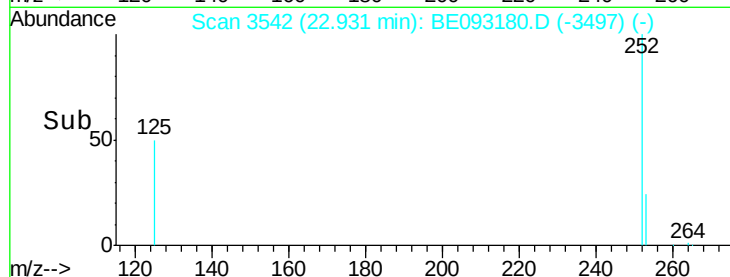
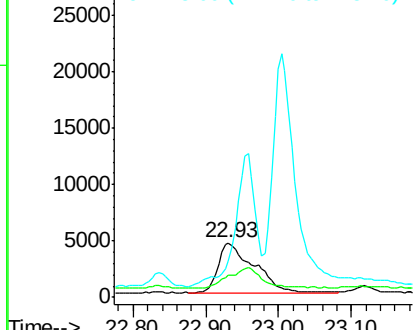


Abundance

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: 0.18 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. -0.05 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

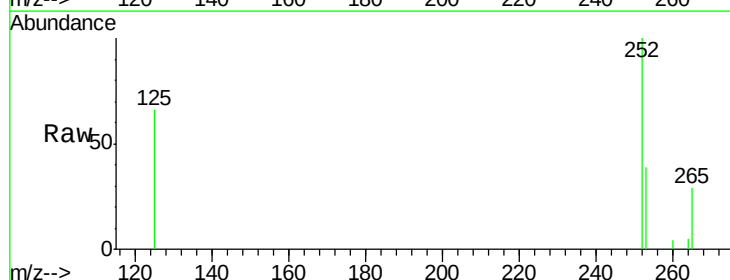
Tgt Ion:252 Resp: 15288

Ion Ratio Lower Upper

252 100

253 39.5 24.5 36.7#

125 66.1 13.7 20.5#

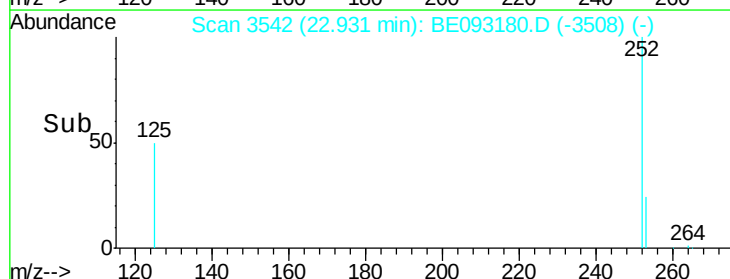
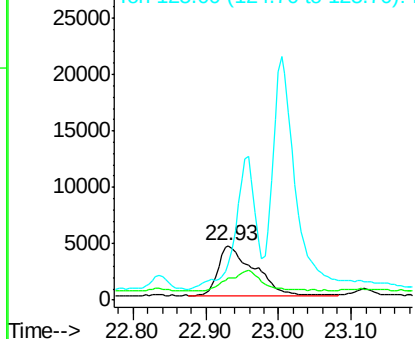


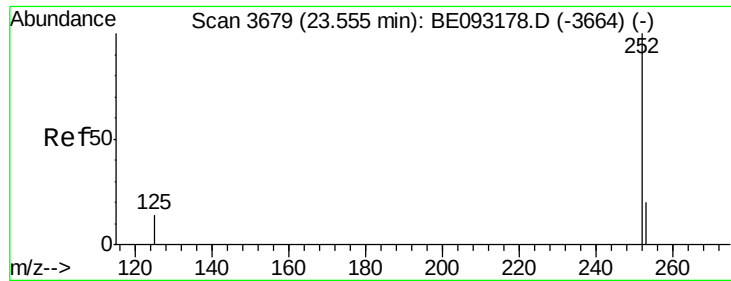
Abundance

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: 0.08 ng/ul

RT: 23.56 min Scan# 3679

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

F5A36

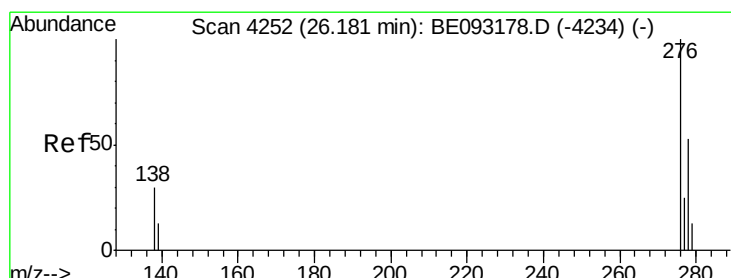
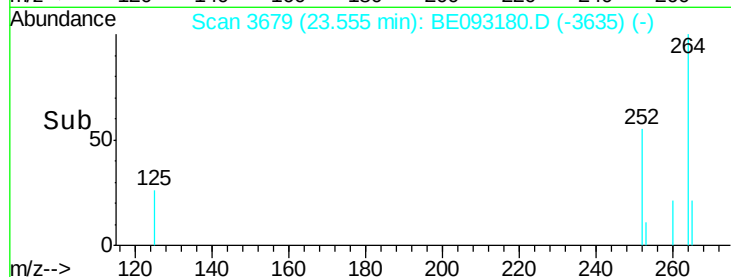
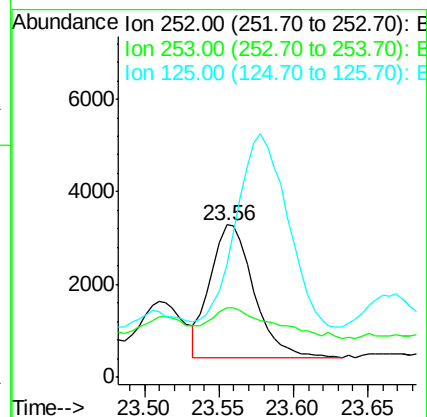
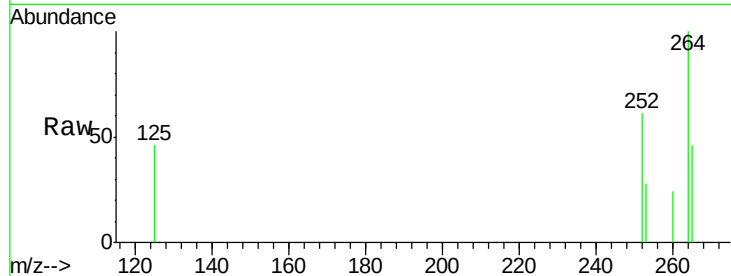
Tgt Ion:252 Resp: 5799

Ion Ratio Lower Upper

252 100

253 45.3 28.5 42.7#

125 74.6 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 26.18 min Scan# 4252

Delta R.T. 0.00 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

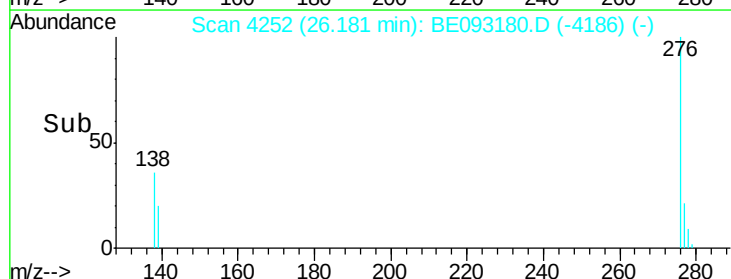
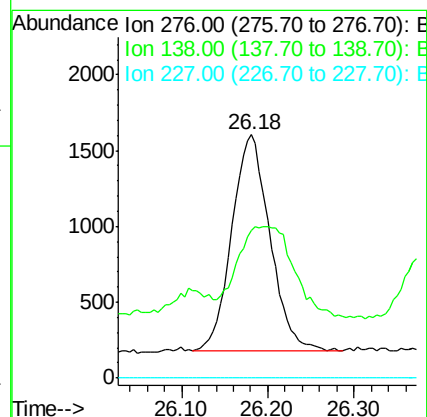
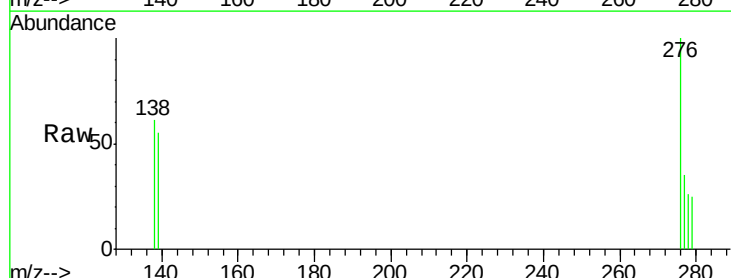
Tgt Ion:276 Resp: 4375

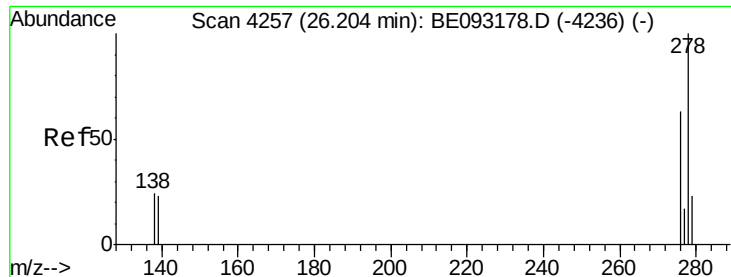
Ion Ratio Lower Upper

276 100

138 63.8 28.0 42.0#

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 26.19 min Scan# 4254

Delta R.T. -0.01 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

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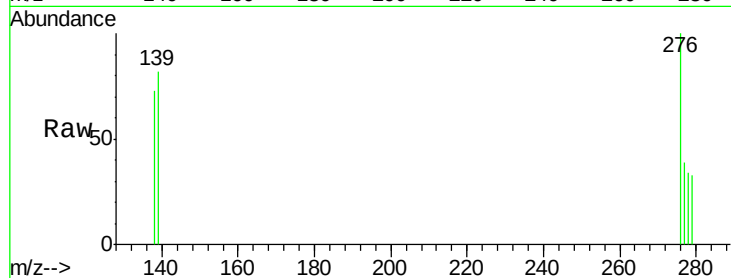
Tgt Ion:278 Resp: 1148

Ion Ratio Lower Upper

278 100

139 237.6 17.4 26.0#

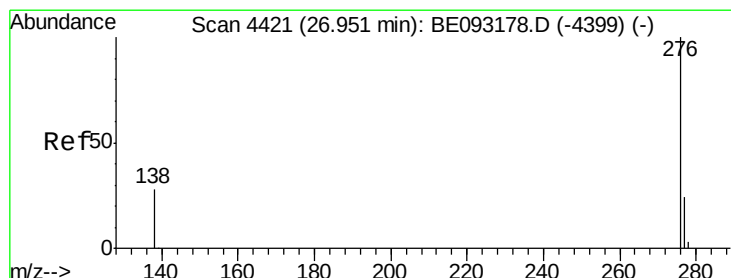
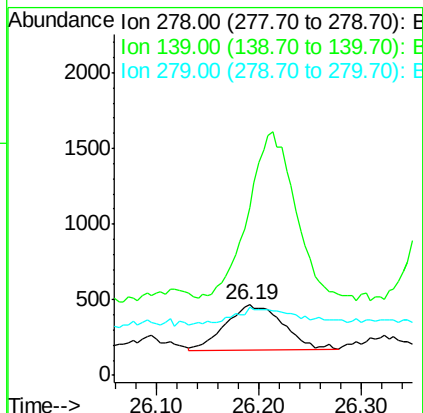
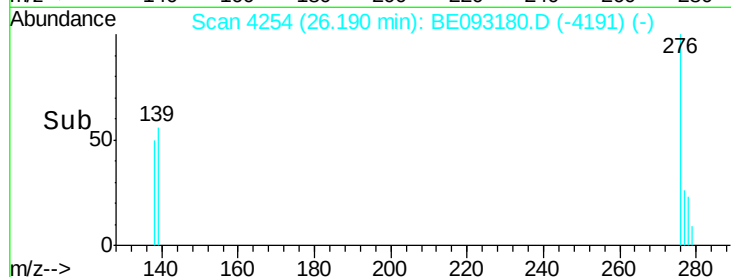
279 96.4 25.9 38.9#



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: 0.05 ng/ul

RT: 26.95 min Scan# 4421

Delta R.T. 0.00 min

Lab File: BE093180.D

Acq: 14 Jun 2017 21:36

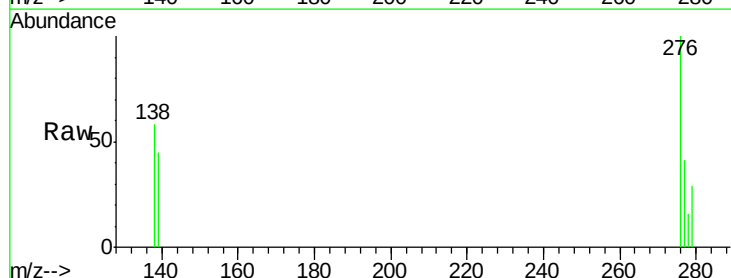
Tgt Ion:276 Resp: 3680

Ion Ratio Lower Upper

276 100

138 57.8 21.8 32.8#

277 40.5 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

