

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061917\
 Data File : BE093273.D
 Acq On : 20 Jun 2017 5:00
 Operator : SJ/MA
 Sample : I3599-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5C91

Quant Time: Jun 20 09:39:52 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 08:49:11 2017
 Response via : Initial Calibration

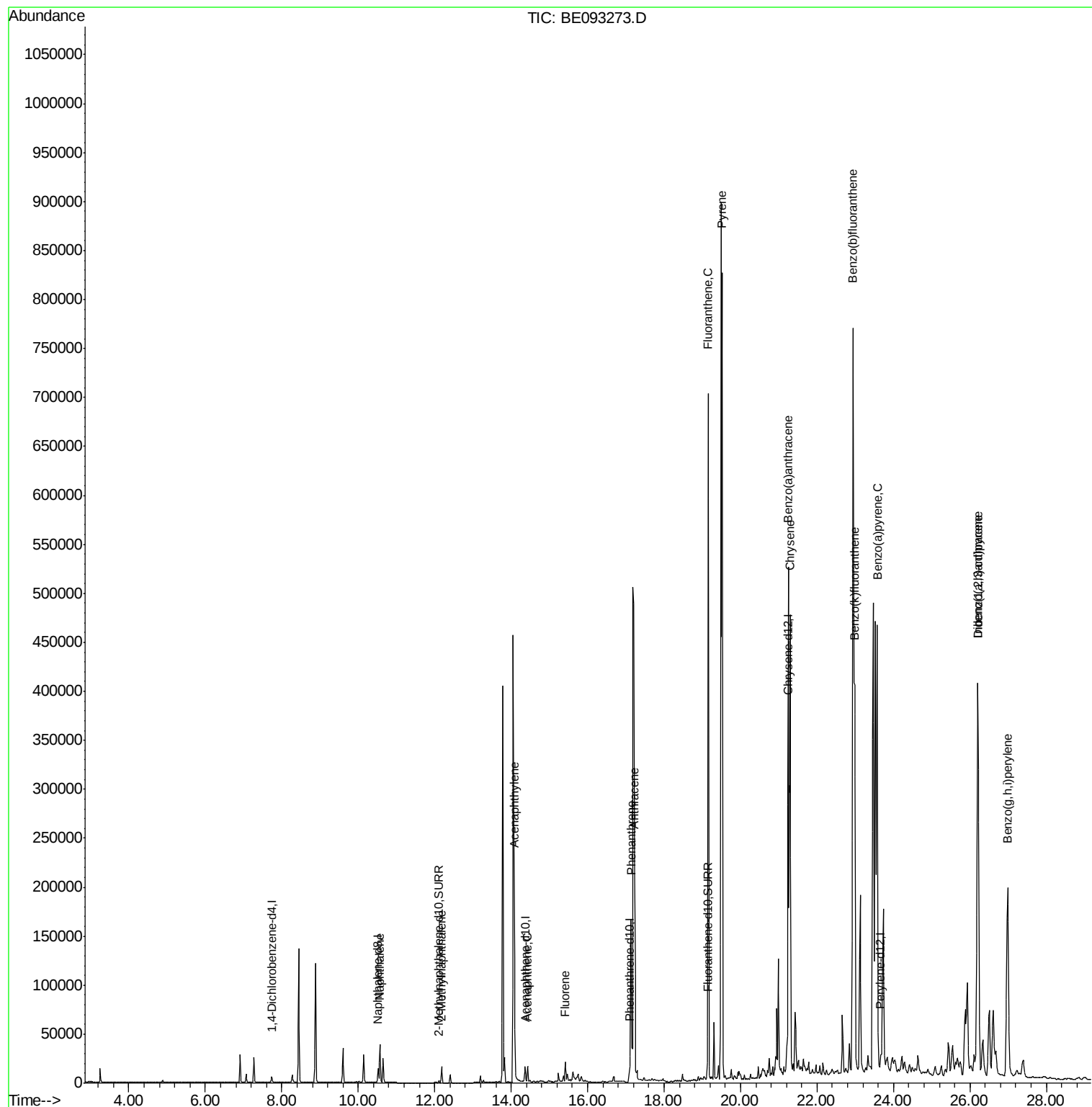
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2728	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14387	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8783	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20440	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	19510	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	23602m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3438	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	9691	0.17	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	58550	1.640	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	13735	0.563	ng/ul	98
7) Acenaphthylene	14.09	152	216673	5.749	ng/ul	95
8) Acenaphthene	14.43	153	9864	0.324	ng/ul	99
9) Fluorene	15.42	166	14049	0.394	ng/ul	93
12) Phenanthrene	17.14	178	173500	3.085	ng/ul#	88
13) Anthracene	17.22	178	263261	5.376	ng/ul#	87
15) Fluoranthene	19.16	202	762439	11.055	ng/ul	84
17) Pyrene	19.52	202	813256	14.135	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	436018	8.378	ng/ul#	83
19) Chrysene	21.30	228	588412	10.900	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	1305565	18.228	ng/ul	88
22) Benzo(k)fluoranthene	22.98	252	459245m	6.037	ng/ul	
23) Benzo(a)pyrene	23.57	252	662487m	9.782	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.21	276	678392m	8.651	ng/ul	
25) Dibenzo(a,h)anthracene	26.21	278	186129m	2.819	ng/ul	
26) Benzo(g,h,i)perylene	26.98	276	416506	6.193	ng/ul	96

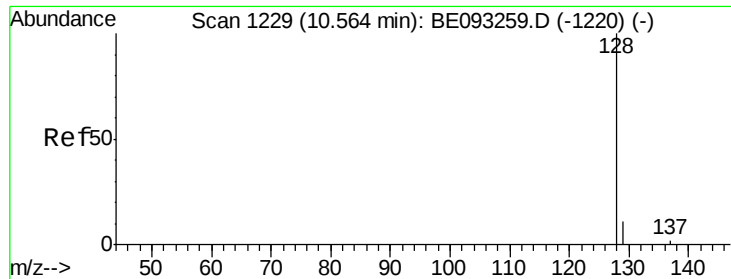
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.640 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

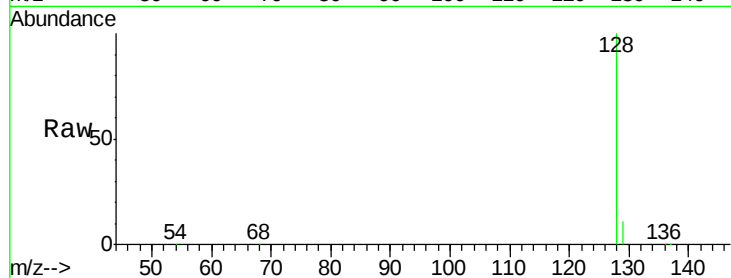
Tgt Ion:128 Resp: 58550

Ion Ratio Lower Upper

128 100

129 11.0 11.3 16.9#

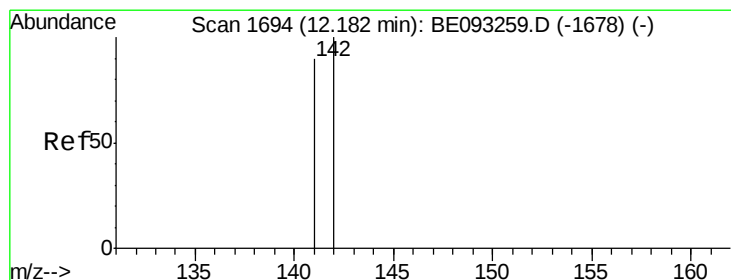
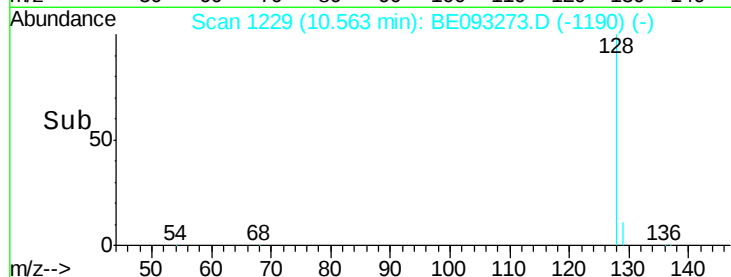
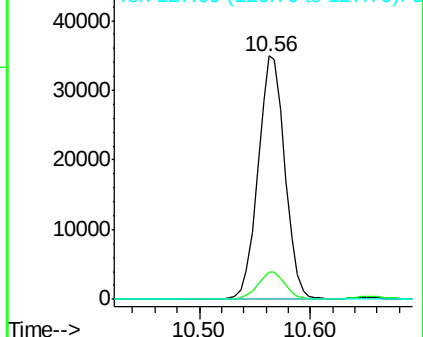
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.563 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093273.D

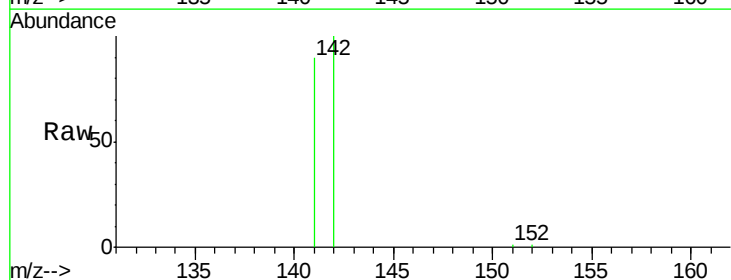
Acq: 20 Jun 2017 5:00

Tgt Ion:142 Resp: 13735

Ion Ratio Lower Upper

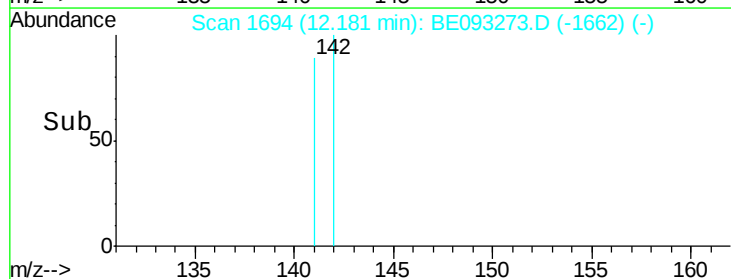
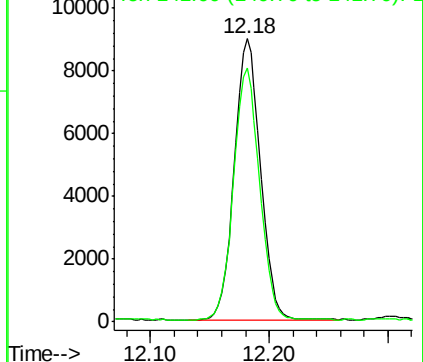
142 100

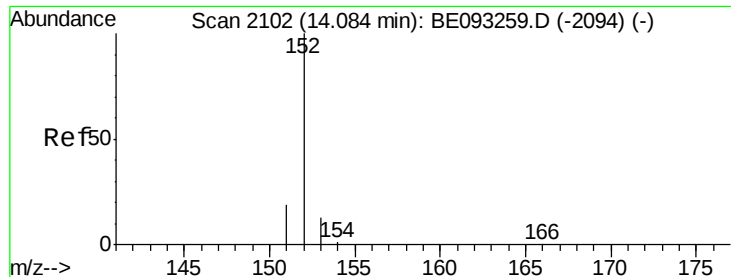
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 5.749 ng/u1

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

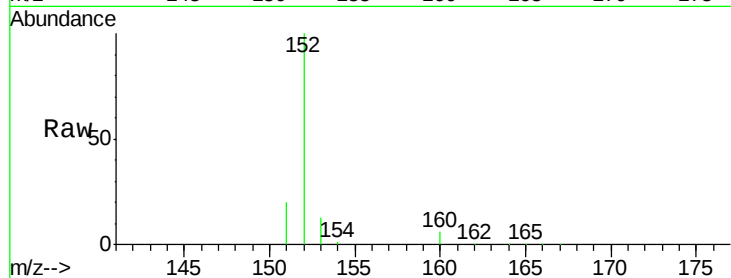
Tgt Ion:152 Resp: 216673

Ion Ratio Lower Upper

152 100

151 19.7 17.1 25.7

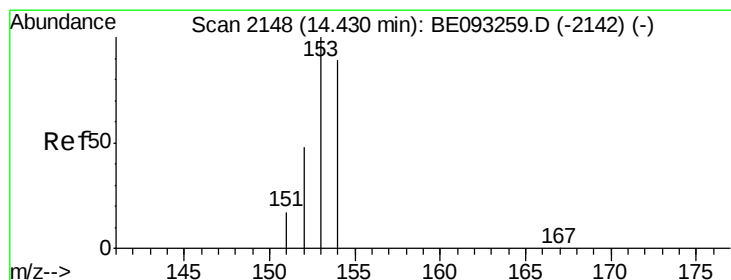
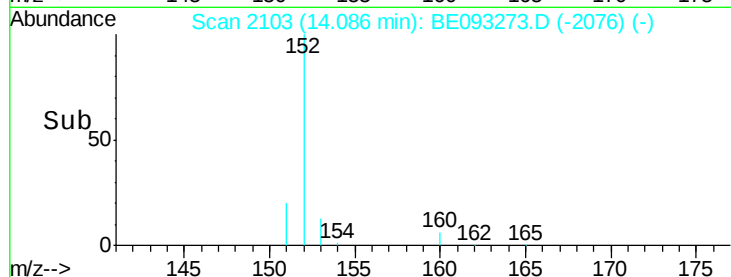
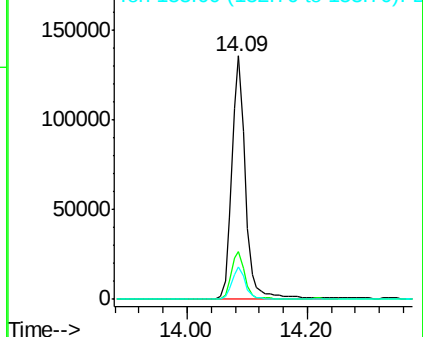
153 13.2 12.8 19.2



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: 0.324 ng/u1

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

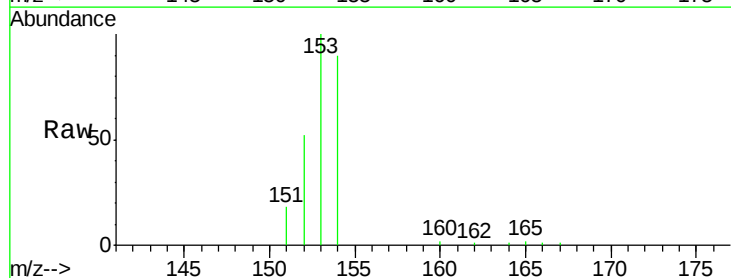
Tgt Ion:153 Resp: 9864

Ion Ratio Lower Upper

153 100

152 51.7 40.3 60.5

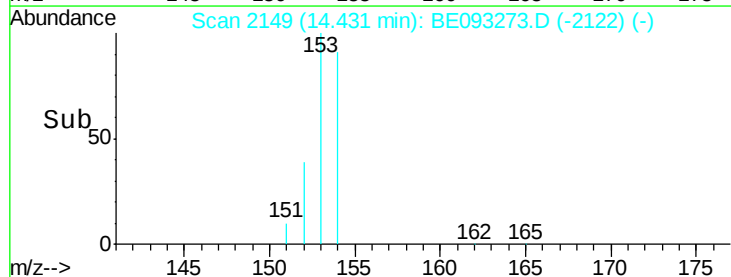
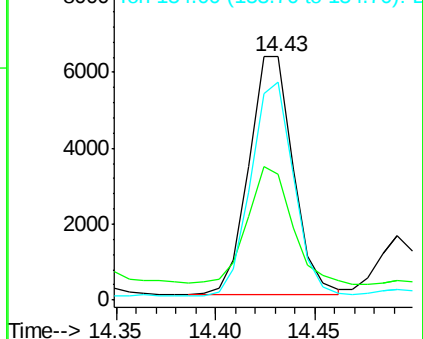
154 89.6 71.4 107.2

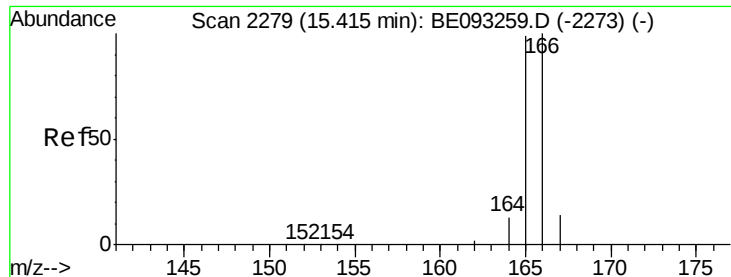


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.394 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

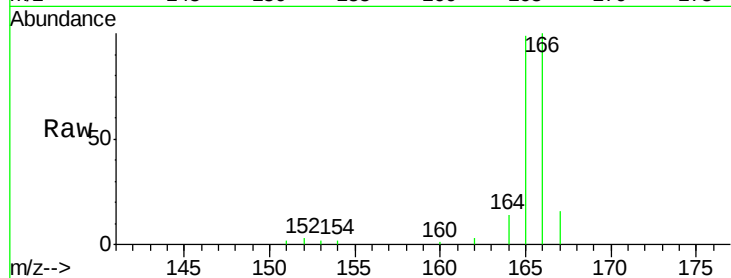
Tgt Ion:166 Resp: 14049

Ion Ratio Lower Upper

166 100

165 99.4 73.4 110.2

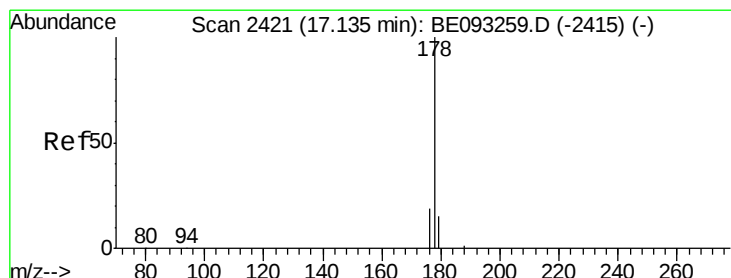
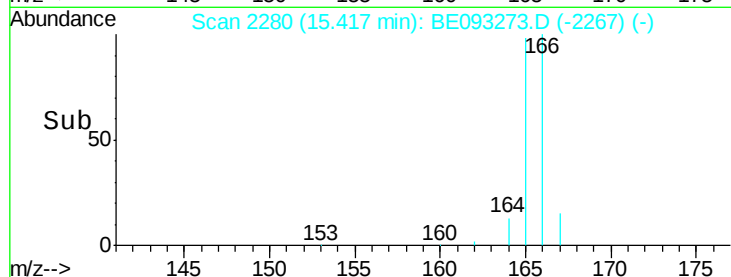
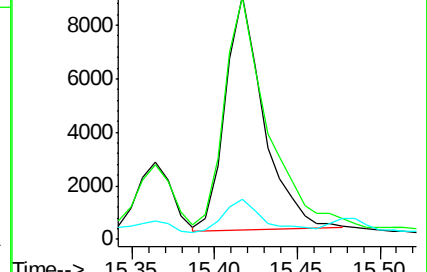
167 16.4 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 3.085 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

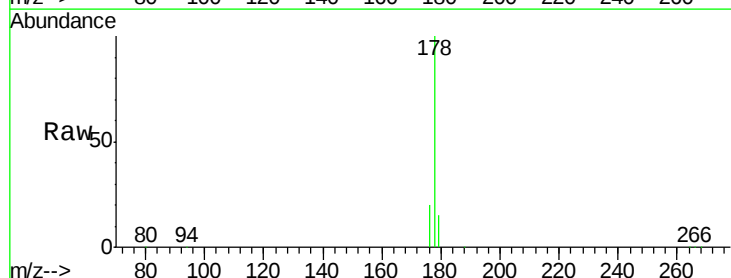
Tgt Ion:178 Resp: 173500

Ion Ratio Lower Upper

178 100

179 15.1 18.4 27.6#

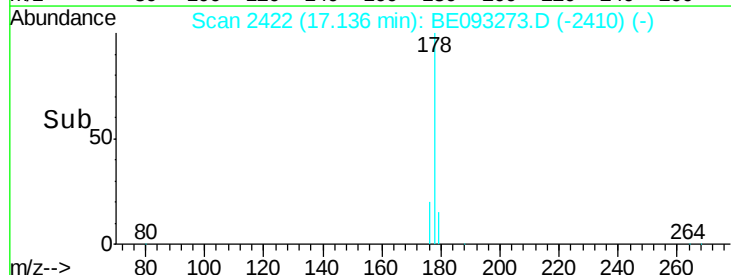
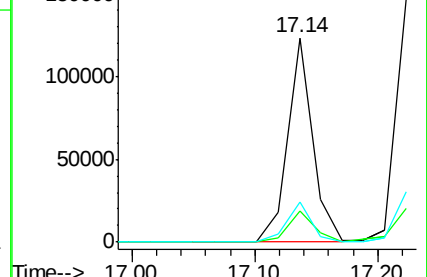
176 19.6 13.6 20.4

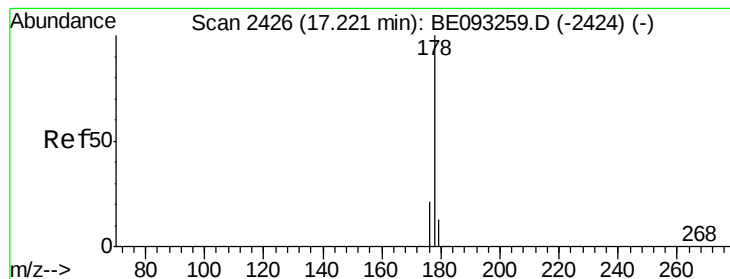


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 5.376 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

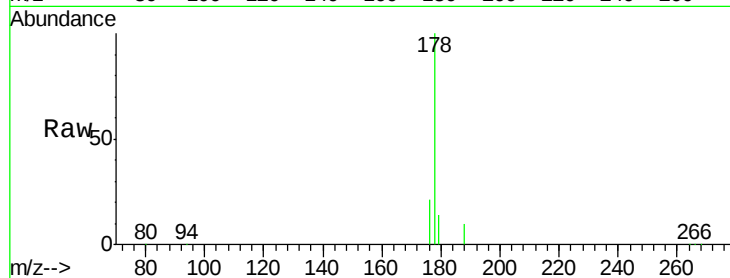
Tgt Ion:178 Resp: 263261

Ion Ratio Lower Upper

178 100

179 13.8 18.1 27.1#

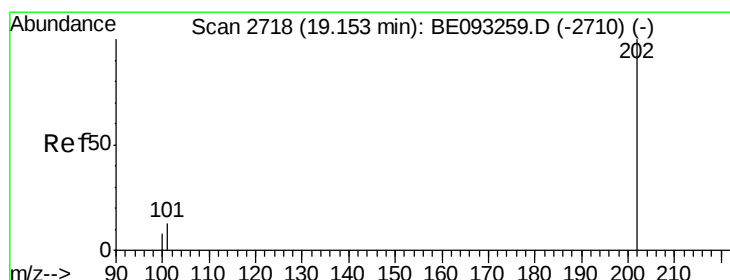
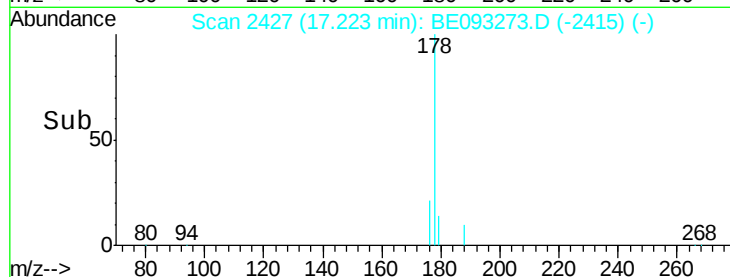
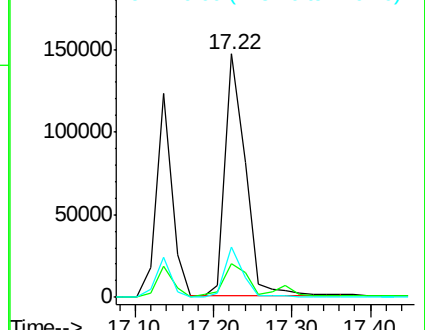
176 20.9 14.7 22.1



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: 11.055 ng/ul

RT: 19.16 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

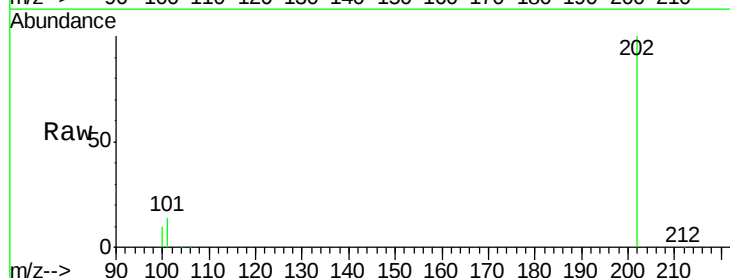
Tgt Ion:202 Resp: 762439

Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

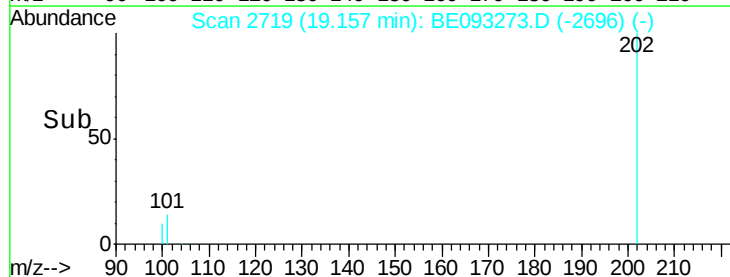
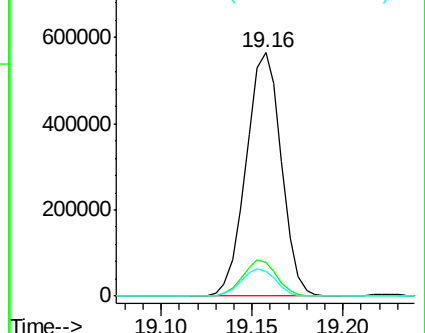
100 10.4 0.0 39.5

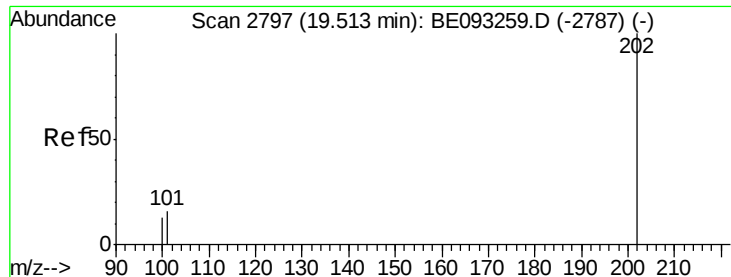


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#17

Pyrene

Concen: 14.135 ng/ul

RT: 19.52 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

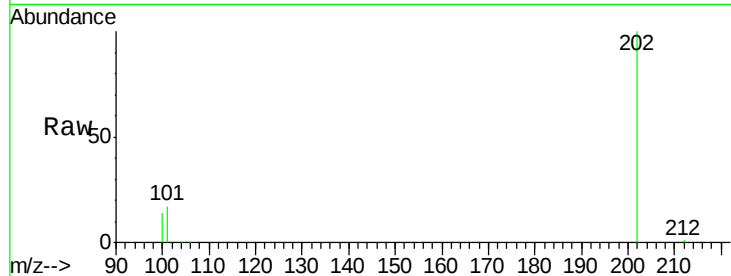
Tgt Ion:202 Resp: 813256

Ion Ratio Lower Upper

202 100

101 16.7 18.2 27.4#

100 13.8 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

19.52

800000

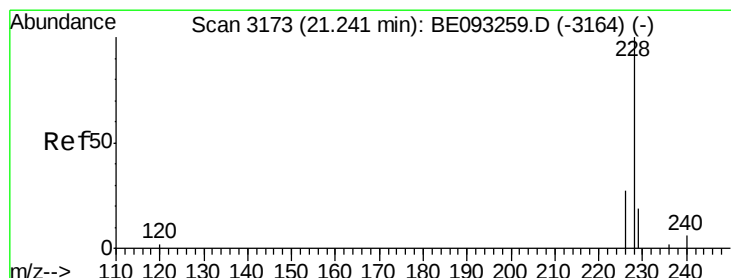
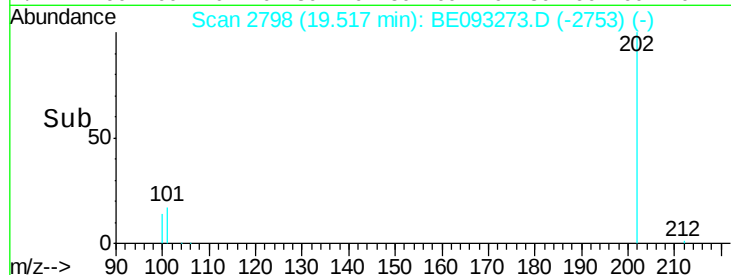
600000

400000

200000

0

Time--> 19.45 19.50 19.55 19.60



#18

Benzo(a)anthracene

Concen: 8.378 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

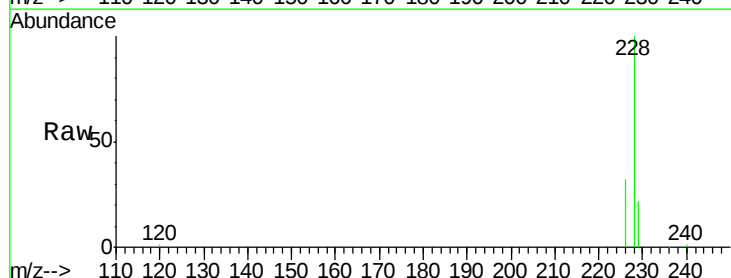
Tgt Ion:228 Resp: 436018

Ion Ratio Lower Upper

228 100

229 22.1 22.8 34.2#

226 32.4 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

21.24

400000

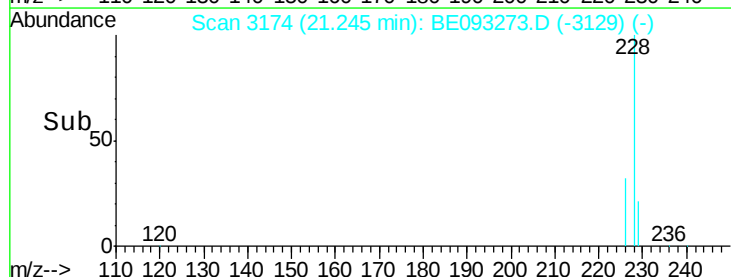
300000

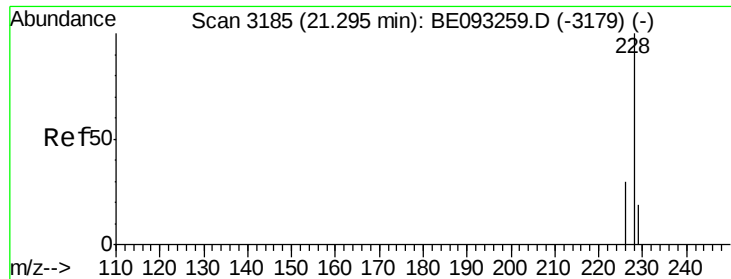
200000

100000

0

Time--> 21.20 21.25





#19

Chrysene

Concen: 10.900 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

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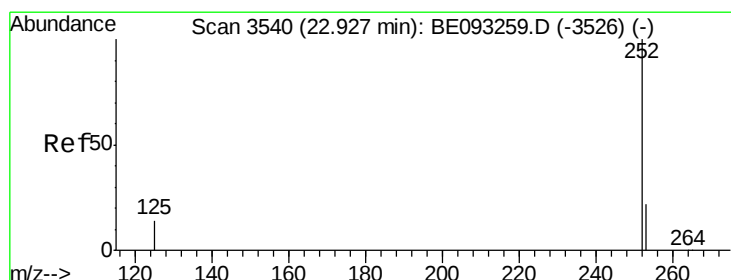
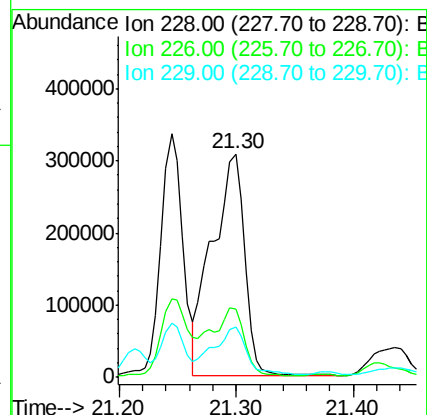
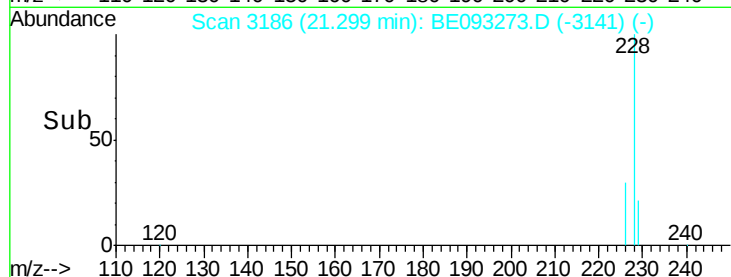
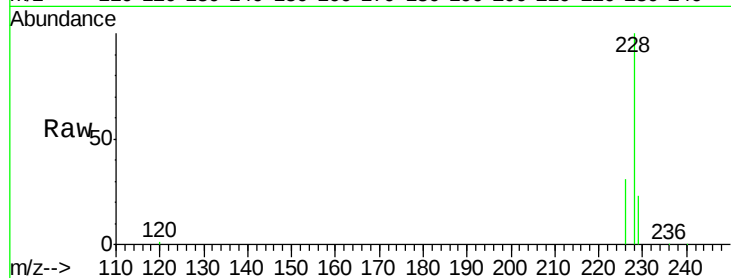
Tgt Ion:228 Resp: 588412

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

229 22.6 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 18.228 ng/ul

RT: 22.94 min Scan# 3544

Delta R.T. 0.02 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

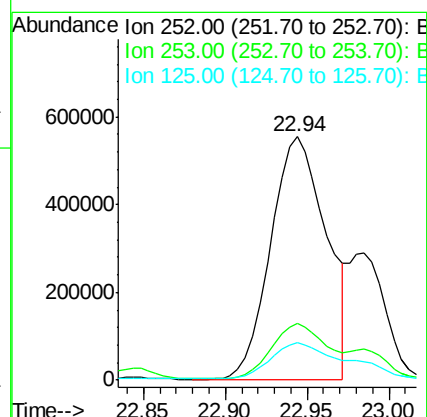
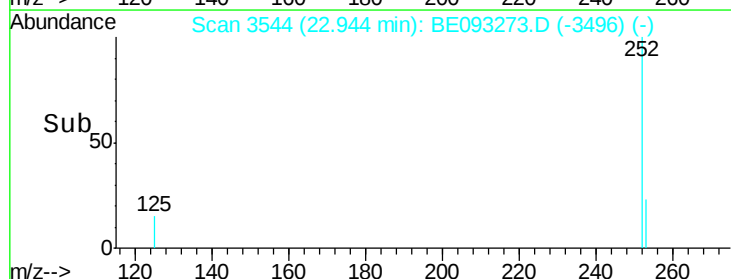
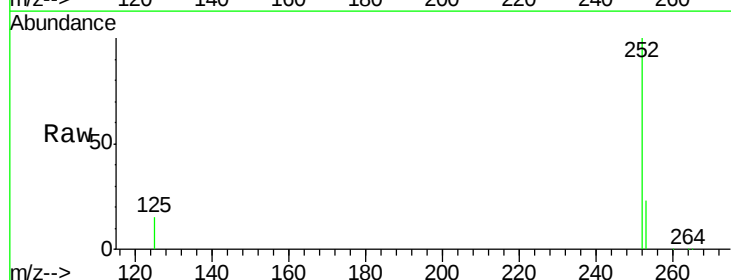
Tgt Ion:252 Resp: 1305565

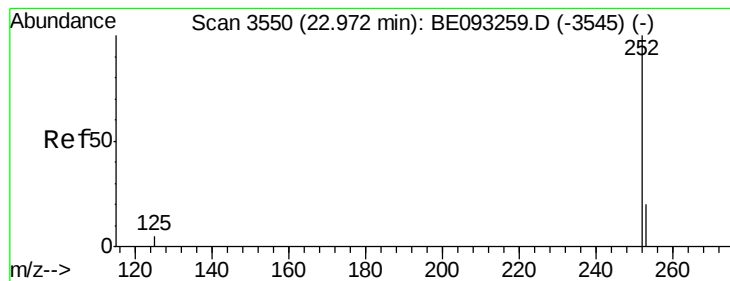
Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

125 15.3 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 6.037 ng/ul m

RT: 22.98 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

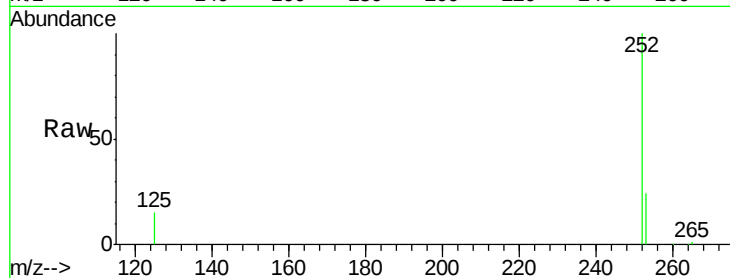
Tgt Ion:252 Resp: 459245

Ion Ratio Lower Upper

252 100

253 24.2 24.5 36.7#

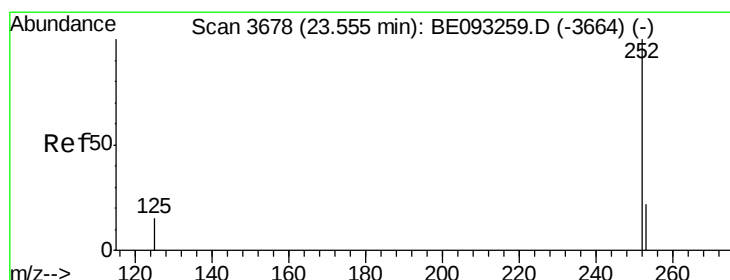
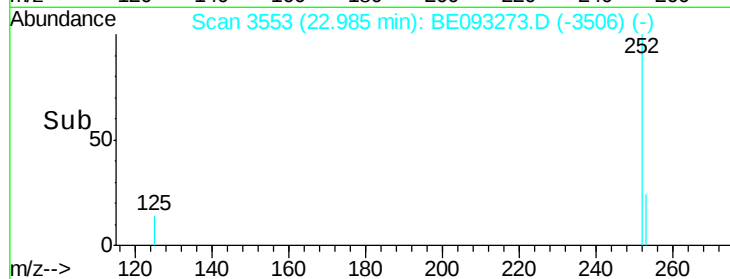
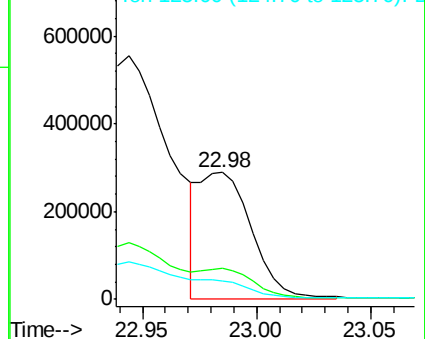
125 14.9 13.7 20.5



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: 9.782 ng/ul m

RT: 23.57 min Scan# 3682

Delta R.T. 0.02 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

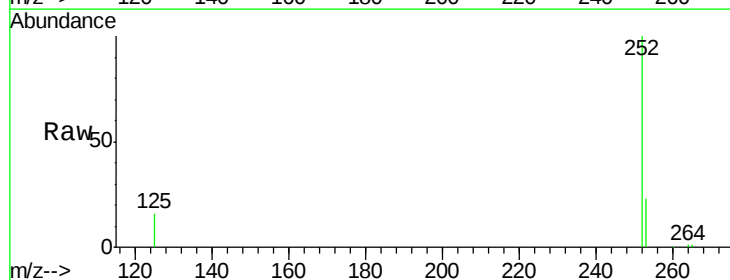
Tgt Ion:252 Resp: 662487

Ion Ratio Lower Upper

252 100

253 23.4 28.5 42.7#

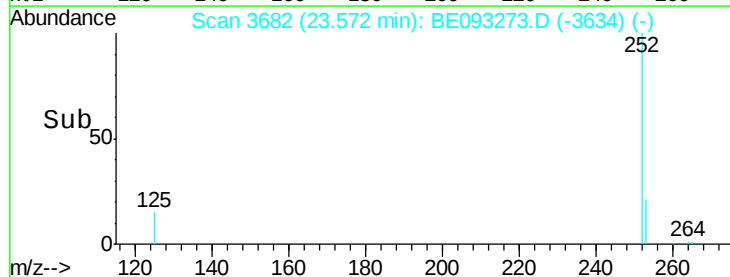
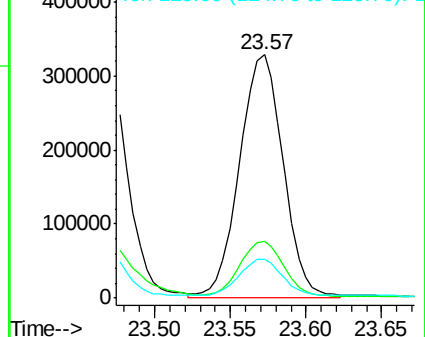
125 15.8 18.1 27.1#

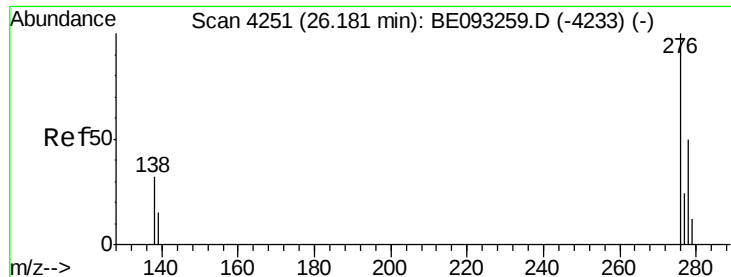


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.651 ng/ul m

RT: 26.21 min Scan# 4257

Delta R.T. 0.03 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

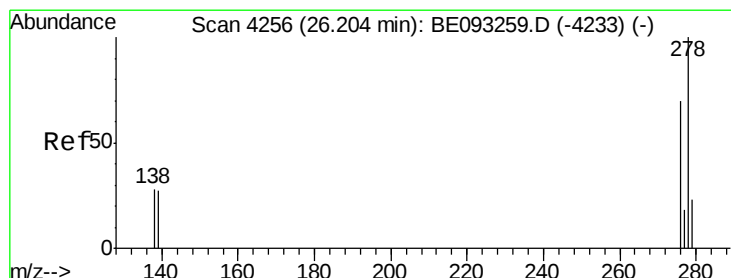
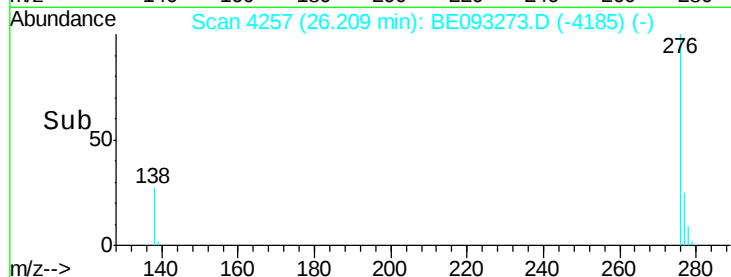
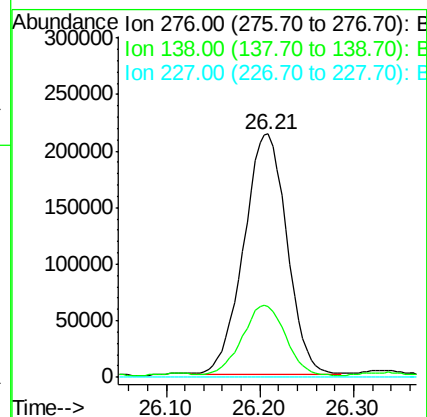
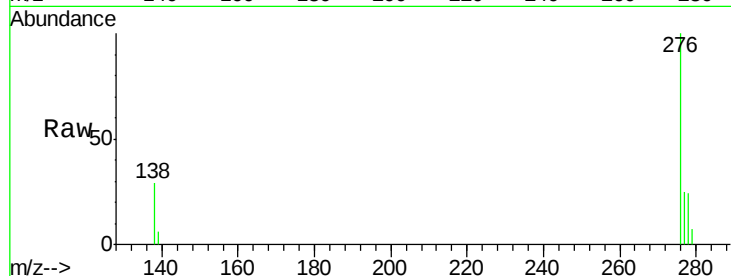
Tgt Ion:276 Resp: 678392

Ion Ratio Lower Upper

276 100

138 3.8 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 2.819 ng/ul m

RT: 26.21 min Scan# 4258

Delta R.T. 0.01 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

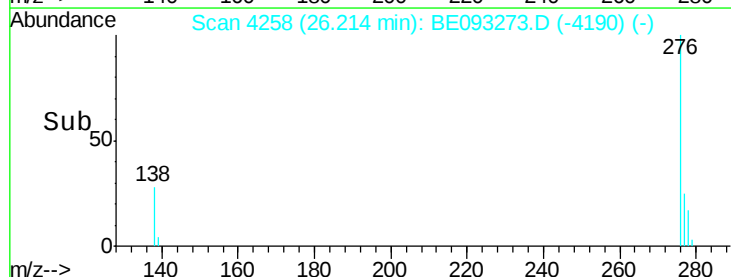
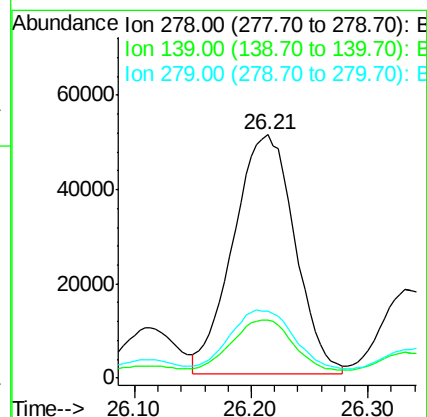
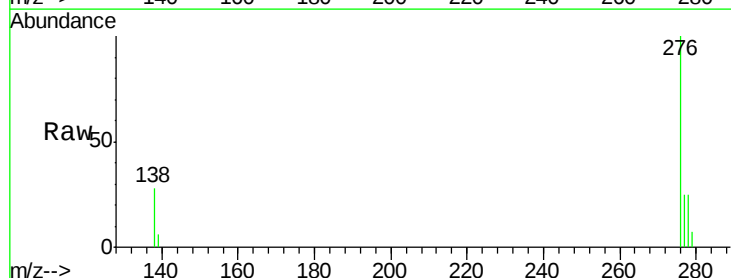
Tgt Ion:278 Resp: 186129

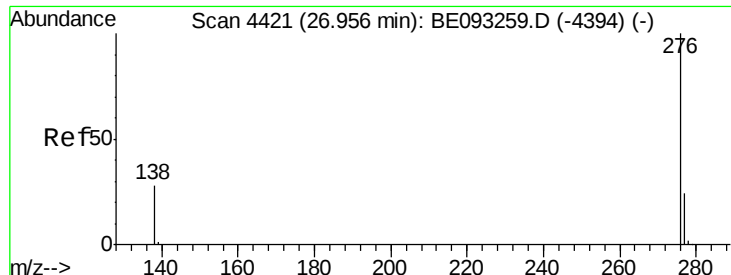
Ion Ratio Lower Upper

278 100

139 23.7 17.4 26.0

279 27.3 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 6.193 ng/ul

RT: 26.98 min Scan# 4427

Delta R.T. 0.03 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

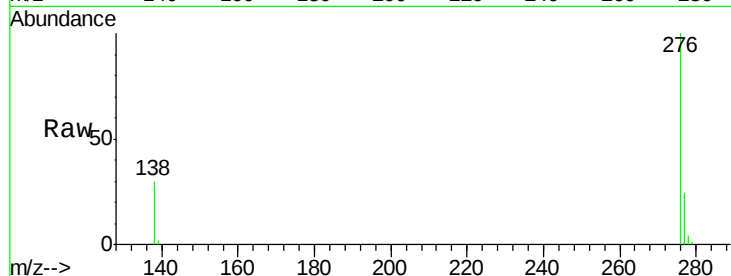
Tgt Ion: 276 Resp: 416506

Ion Ratio Lower Upper

276 100

138 30.2 21.8 32.8

277 24.2 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

