

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094258.D
 Acq On : 10 Oct 2017 19:27
 Operator : SJ/JU
 Sample : I5522-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:32:40 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 07:23:41 2017
 Response via : Initial Calibration

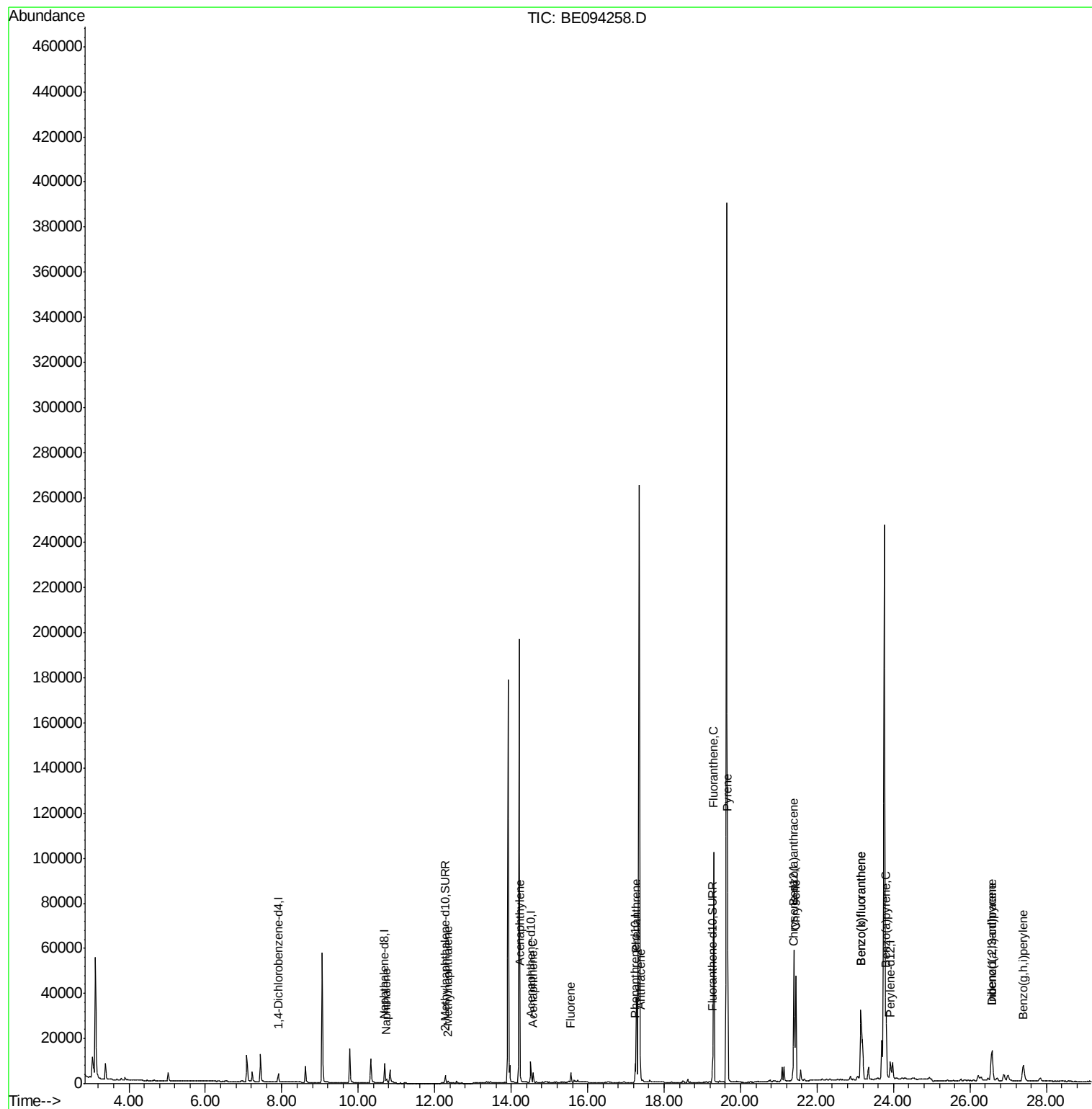
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1778	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9154	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5215	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11221	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	11552	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	12688	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	5034	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	12704	0.34	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	2408	0.107	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	778	0.053	ng/ul	98
7) Acenaphthylene	14.24	152	1173	0.058	ng/ul#	88
8) Acenaphthene	14.57	153	2621	0.157	ng/ul	99
9) Fluorene	15.56	166	2746	0.140	ng/ul	94
12) Phenanthrene	17.27	178	59559	2.031	ng/ul#	83
13) Anthracene	17.38	178	13338	0.468	ng/ul#	92
15) Fluoranthene	19.30	202	108332	2.812	ng/ul	84
17) Pyrene	19.66	202	94213	2.931	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	51716	1.688	ng/ul#	87
19) Chrysene	21.44	228	48878	1.381	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	79967	2.320	ng/ul	86
22) Benzo(k)fluoranthene	23.15	252	79967	2.007	ng/ul#	88
23) Benzo(a)pyrene	23.80	252	42962	1.200	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.57	276	25570	0.698	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	6770	0.220	ng/ul#	94
26) Benzo(a,h,i)perylene	27.39	276	18009	0.570	ng/ul	98

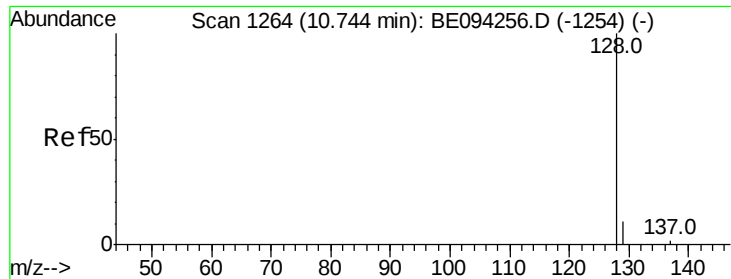
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.107 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

Instrument :

BNA_E

ClientSampleId :

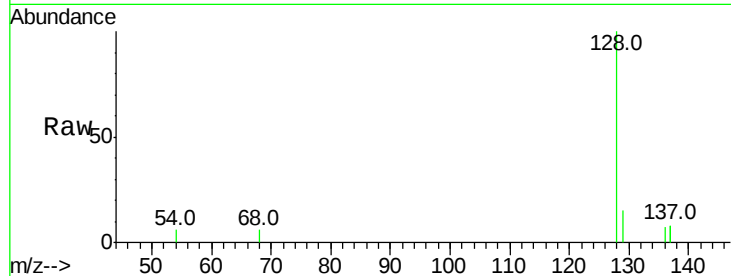
Tot Ion:128 Resp: 2408

Ion Ratio Lower Upper

128 100

129 15.3 11.3 16.9

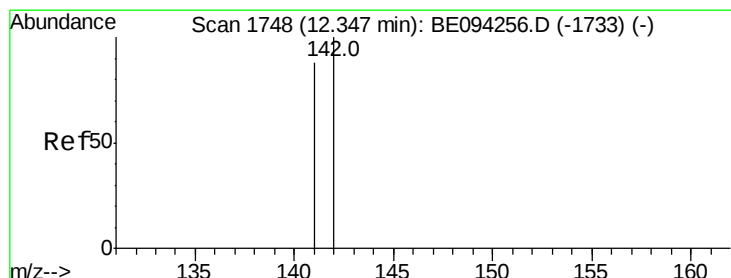
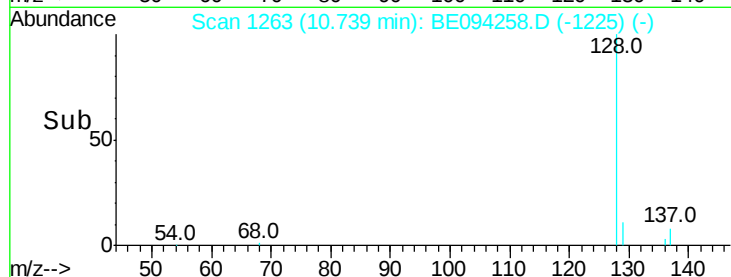
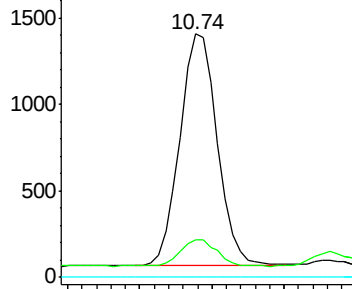
127 0.0 4.0 6.0#



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: 0.053 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BE094258.D

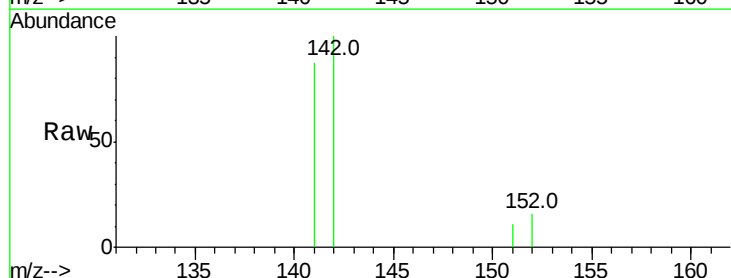
Acq: 10 Oct 2017 19:27

Tgt Ion:142 Resp: 778

Ion Ratio Lower Upper

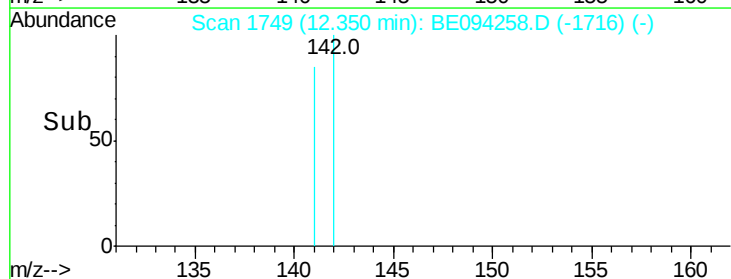
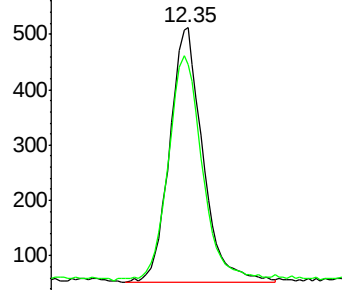
142 100

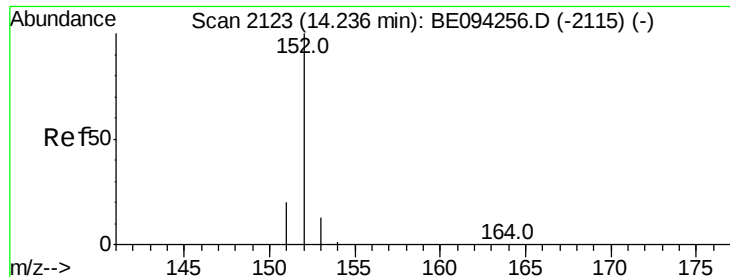
141 92.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.058 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

Instrument :

BNA_E

ClientSampleId :

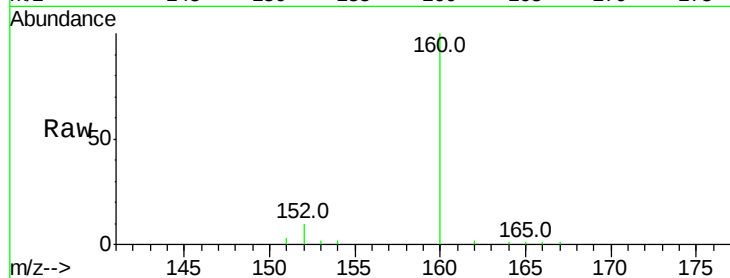
Tot Ion:152 Resp: 1173

Ion Ratio Lower Upper

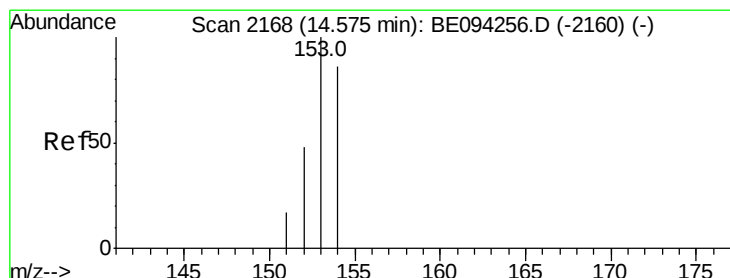
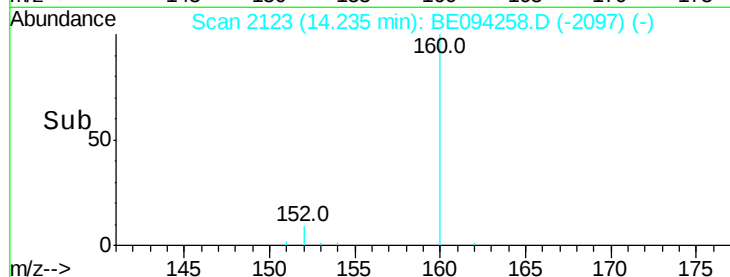
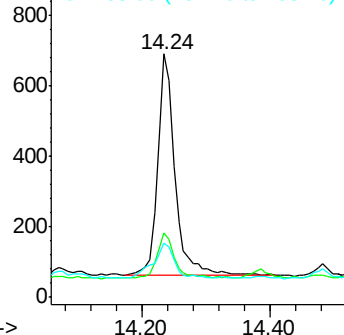
152 100

151 26.7 17.1 25.7#

153 22.0 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



#8

Acenaphthene

Concen: 0.157 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

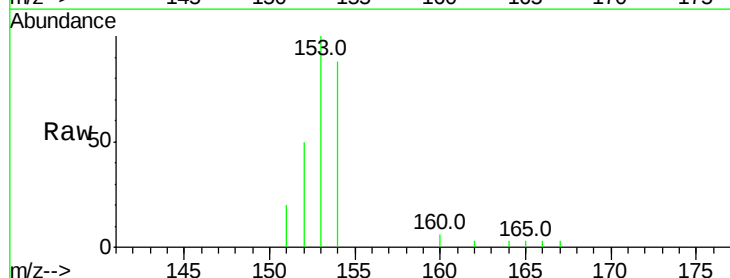
Tgt Ion:153 Resp: 2621

Ion Ratio Lower Upper

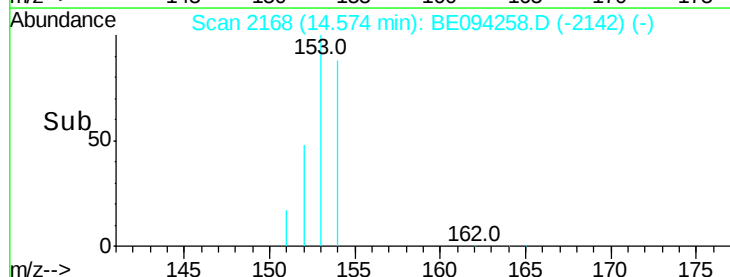
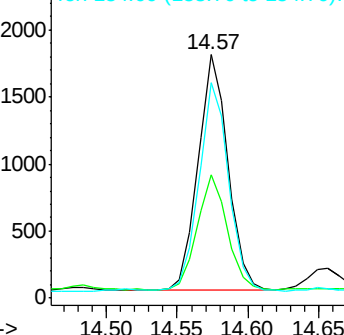
153 100

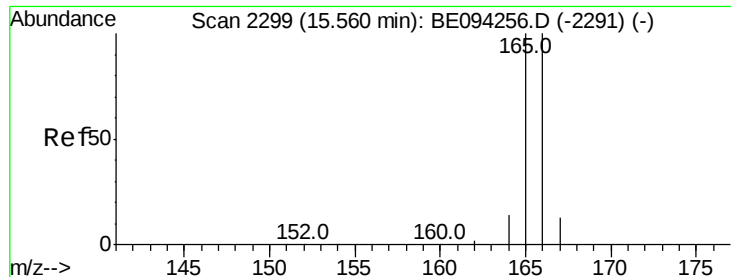
152 50.4 40.3 60.5

154 88.4 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: 0.140 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

Instrument :

BNA_E

ClientSampleId :

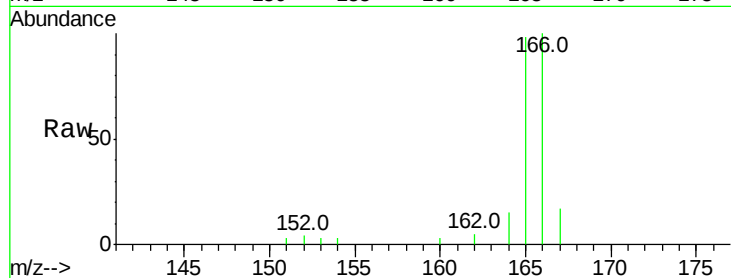
Tot Ion:166 Resp: 2746

Ion Ratio Lower Upper

166 100

165 97.6 73.4 110.2

167 16.8 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

15.56

2000

1500

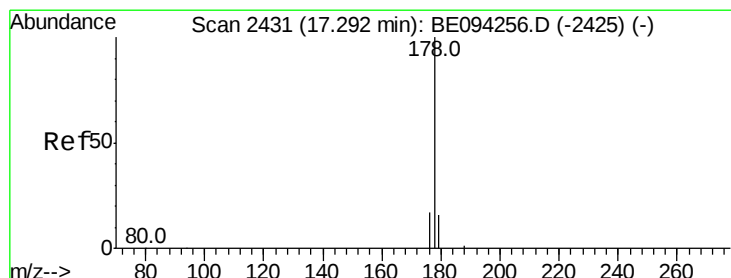
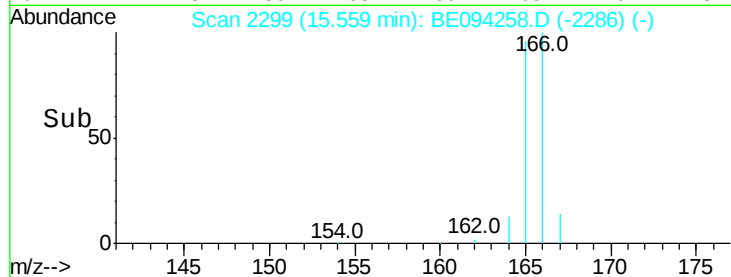
1000

500

0

Time-->

15.50 15.55 15.60 15.65



#12

Phenanthrene

Concen: 2.031 ng/ul

RT: 17.27 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

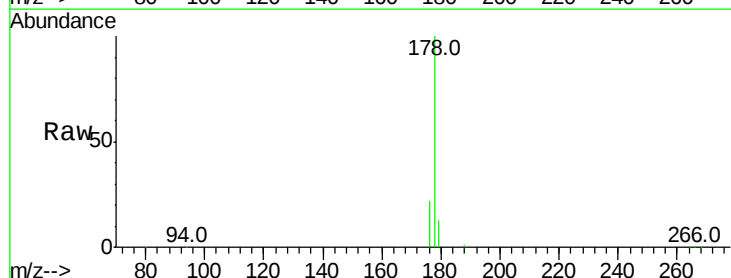
Tgt Ion:178 Resp: 59559

Ion Ratio Lower Upper

178 100

179 13.0 18.4 27.6#

176 22.5 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

17.27

30000

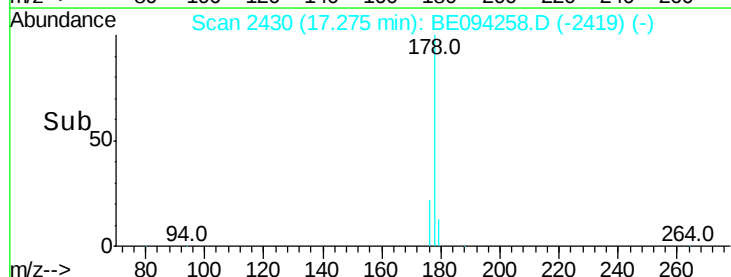
20000

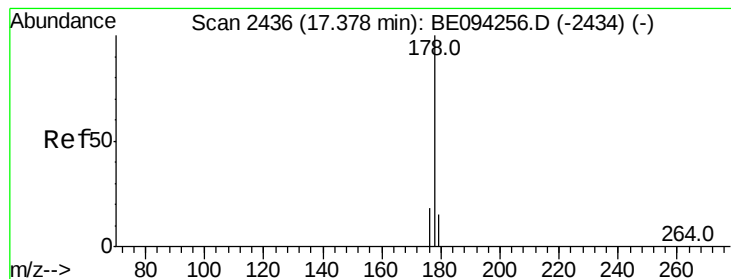
10000

0

Time-->

17.10 17.20 17.30





#13

Anthracene

Concen: 0.468 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

Instrument :

BNA_E

ClientSampleId :

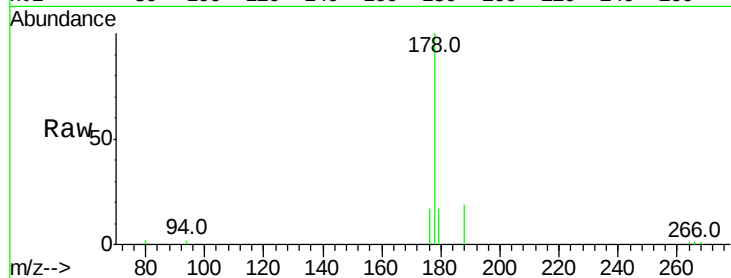
Tot Ion:178 Resp: 13338

Ion Ratio Lower Upper

178 100

179 17.0 18.1 27.1#

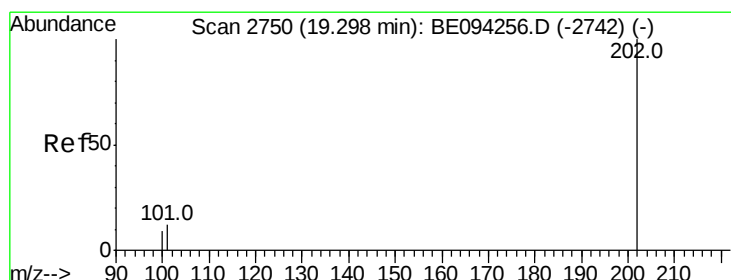
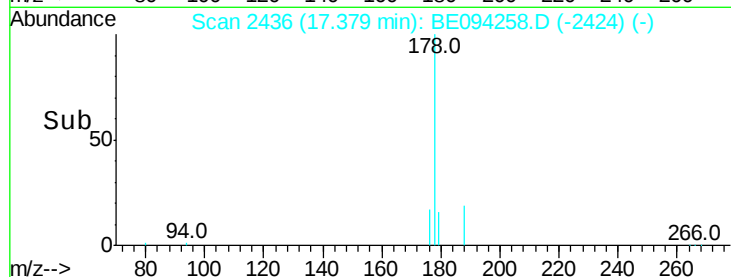
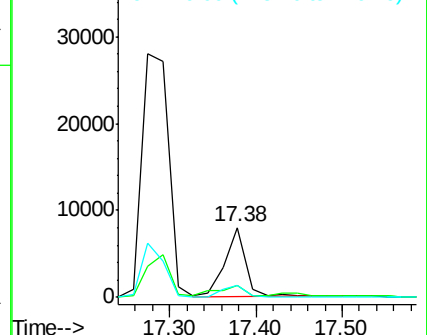
176 17.2 14.7 22.1



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: 2.812 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.00 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

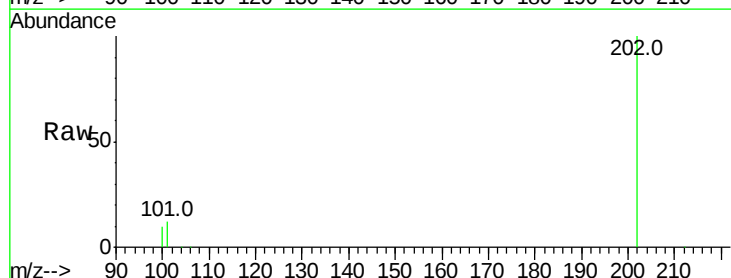
Tgt Ion:202 Resp: 108332

Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.3

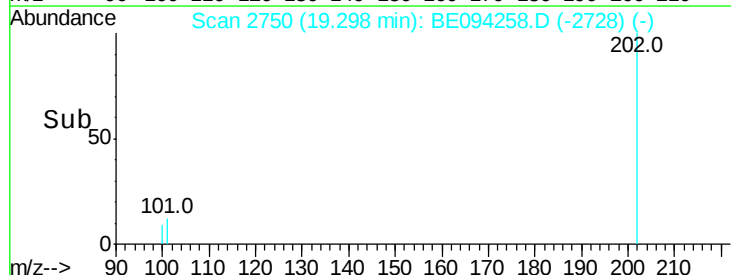
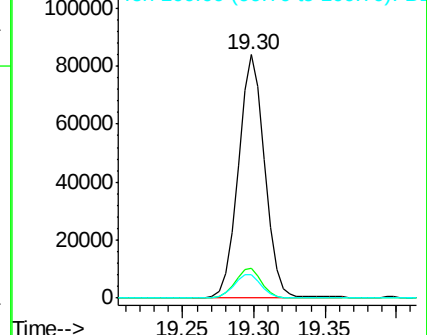
100 9.6 0.0 39.5

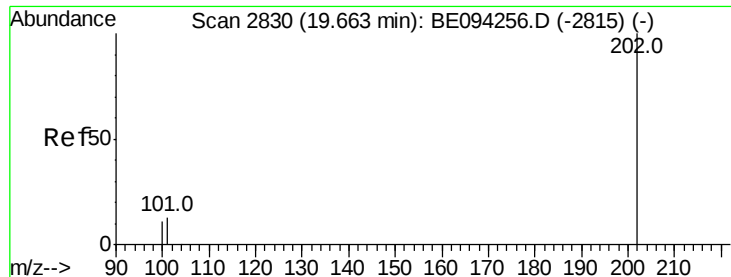


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

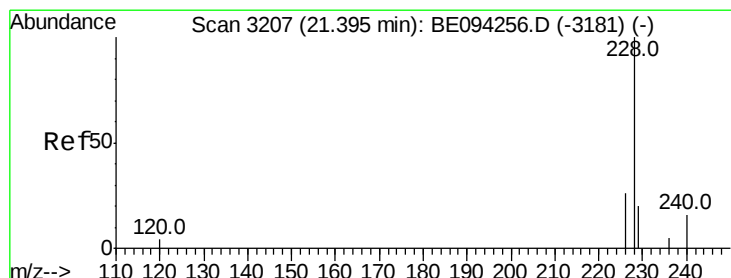
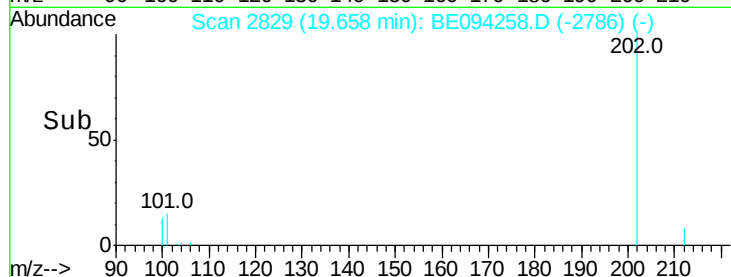
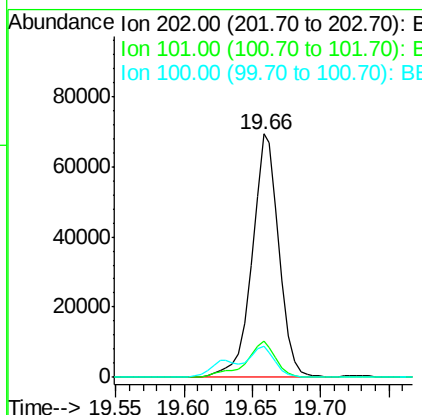
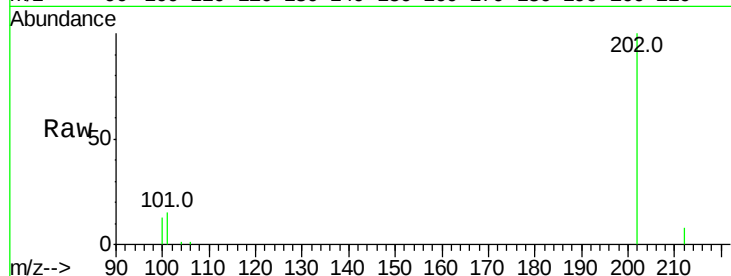




#17
Pvrene
Concen: 2.931 ng/ul
RT: 19.66 min Scan# 2829
Delta R.T. -0.00 min
Lab File: BE094258.D
Acq: 10 Oct 2017 19:27

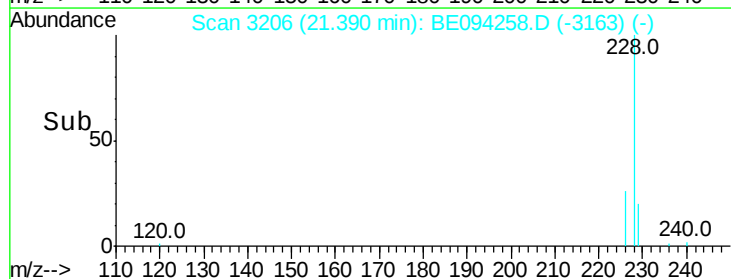
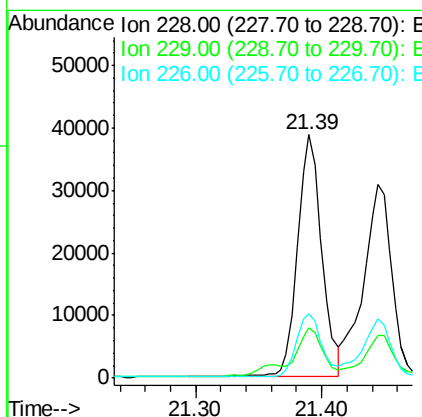
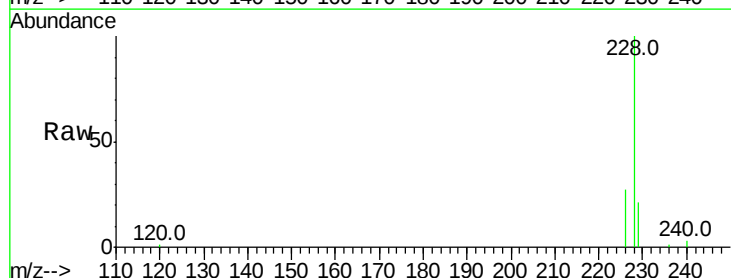
Instrument :
BNA_E
ClientSampleId :

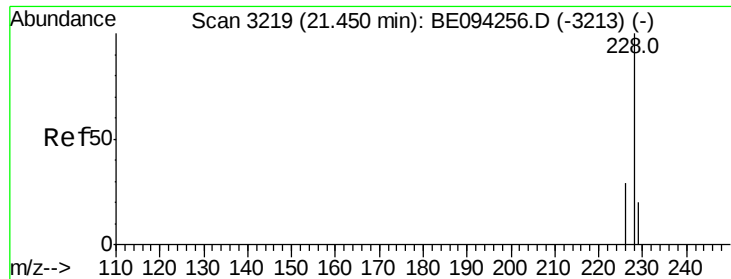
Tot Ion:202 Resp: 94213
Ion Ratio Lower Upper
202 100
101 14.7 18.2 27.4#
100 12.8 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 1.688 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BE094258.D
Acq: 10 Oct 2017 19:27

Tgt Ion:228 Resp: 51716
Ion Ratio Lower Upper
228 100
229 20.8 22.8 34.2#
226 26.6 17.0 25.6#





#19

Chrysene

Concen: 1.381 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

Instrument :

BNA_E

ClientSampleId :

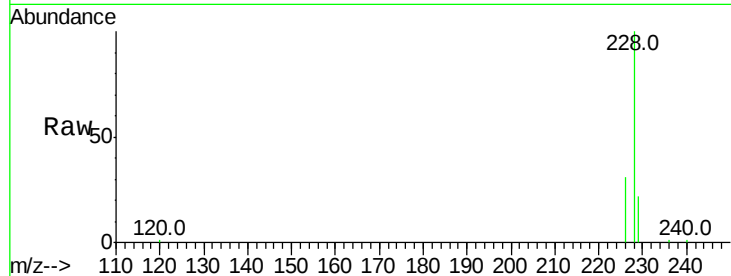
Tot Ion:228 Resp: 48878

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

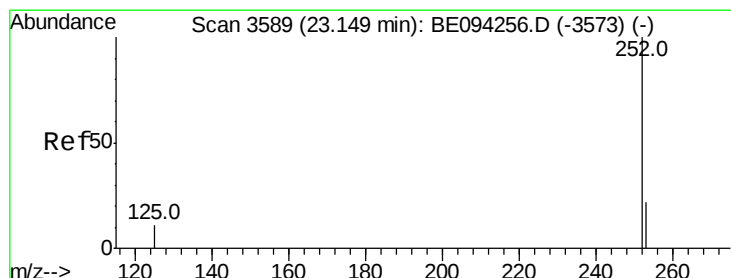
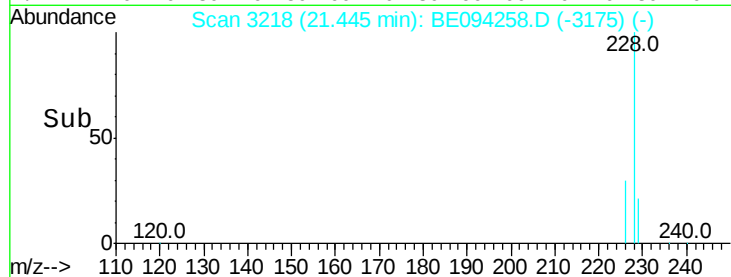
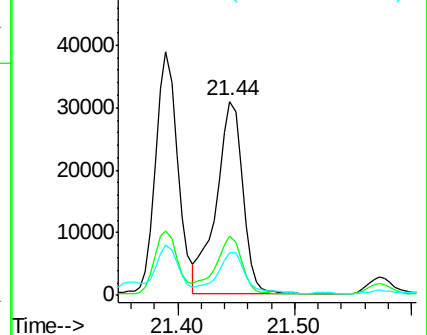
229 22.1 17.7 26.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 2.320 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

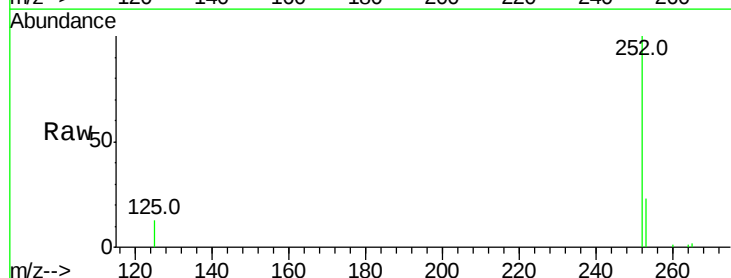
Tgt Ion:252 Resp: 79967

Ion Ratio Lower Upper

252 100

253 23.4 0.0 64.2

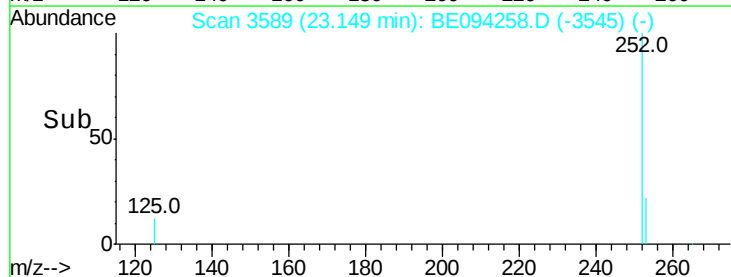
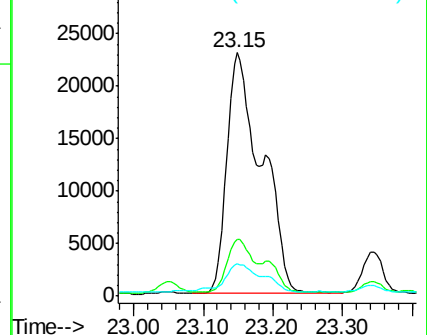
125 13.2 0.0 35.0

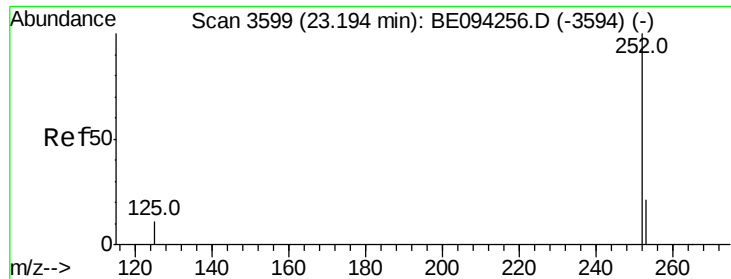


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.007 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

Instrument :

BNA_E

ClientSampleId :

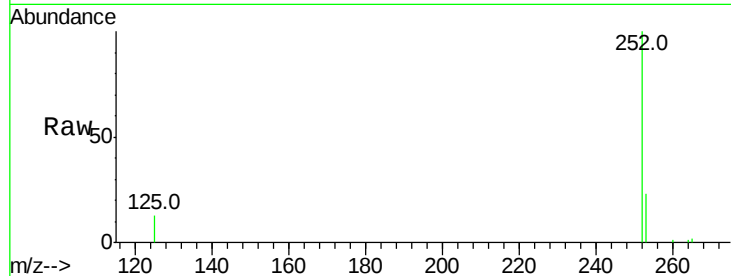
Tot Ion:252 Resp: 79967

Ion Ratio Lower Upper

252 100

253 23.4 24.5 36.7#

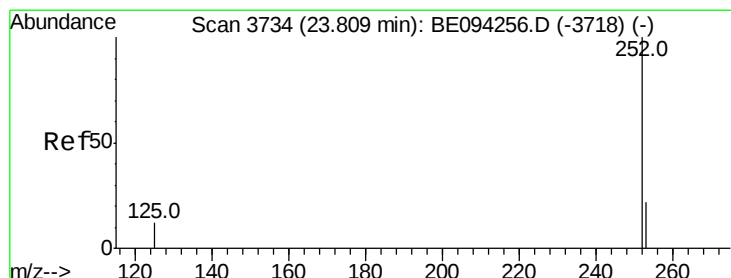
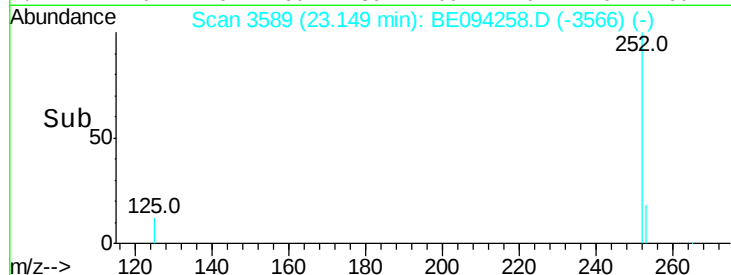
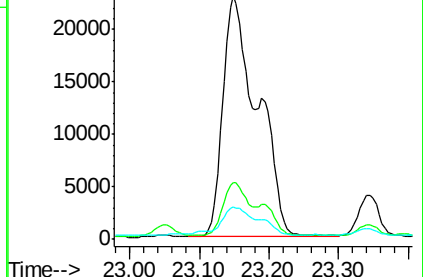
125 13.2 13.7 20.5#



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: 1.200 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

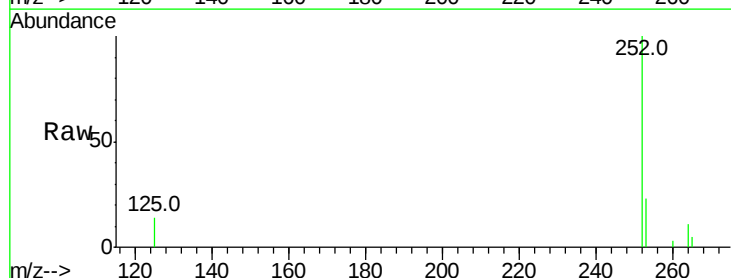
Tgt Ion:252 Resp: 42962

Ion Ratio Lower Upper

252 100

253 23.4 28.5 42.7#

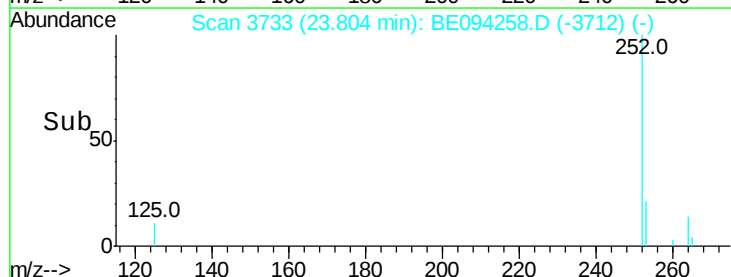
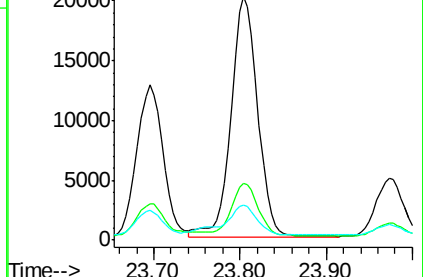
125 14.5 18.1 27.1#

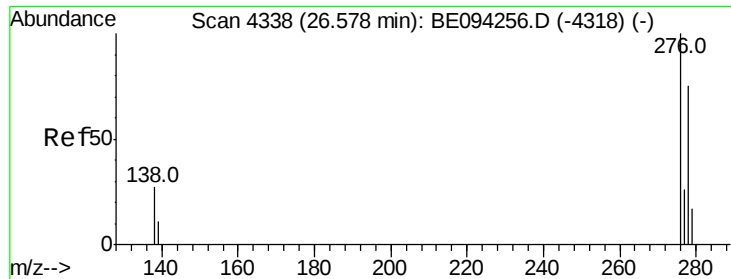


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



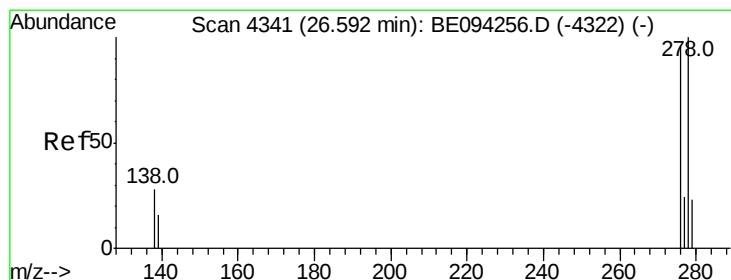
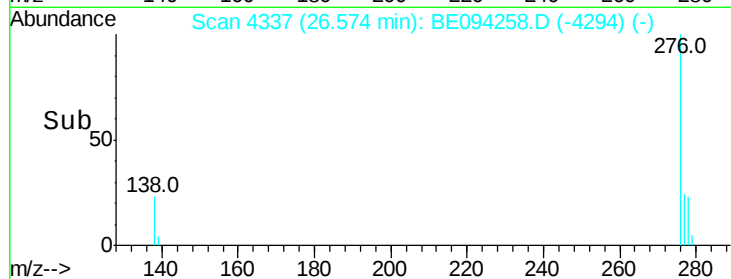
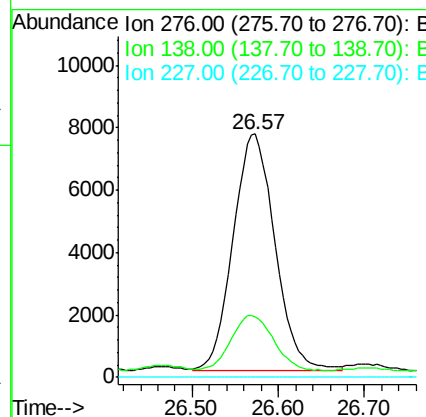
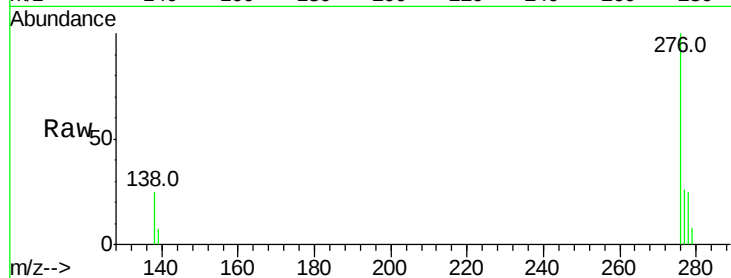


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.698 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.00 min
Lab File: BE094258.D
Acq: 10 Oct 2017 19:27

Instrument :
BNA_E
ClientSampleId :

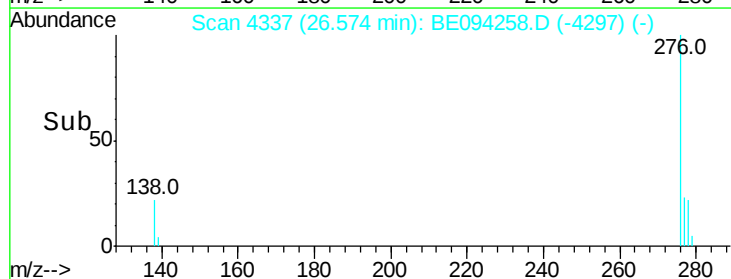
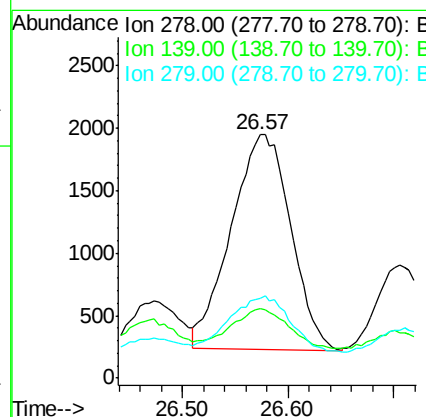
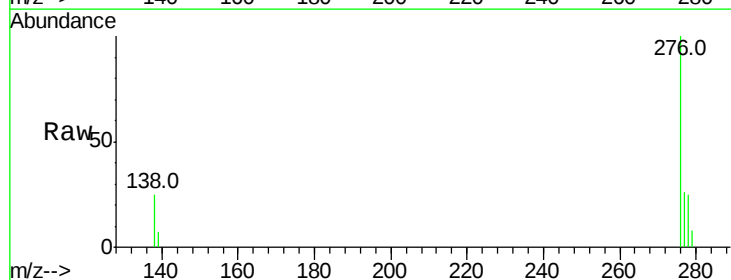
Tot Ion:276 Resp: 25570
Ion Ratio Lower Upper
276 100
138 23.6 28.0 42.0#
227 0.0 8.0 12.0#

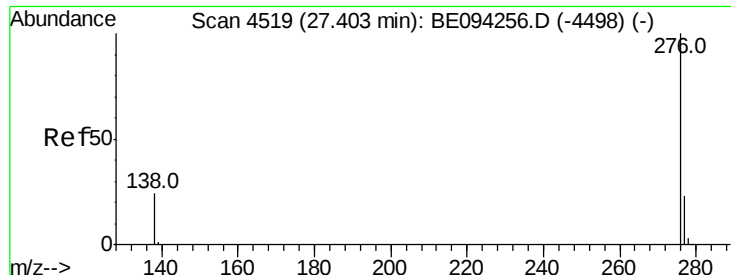


#25

Dibenzo(a,h)anthracene
Concen: 0.220 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.02 min
Lab File: BE094258.D
Acq: 10 Oct 2017 19:27

Tgt Ion:278 Resp: 6770
Ion Ratio Lower Upper
278 100
139 28.4 17.4 26.0#
279 32.5 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.570 ng/ul

RT: 27.39 min Scan# 4517

Delta R.T. -0.01 min

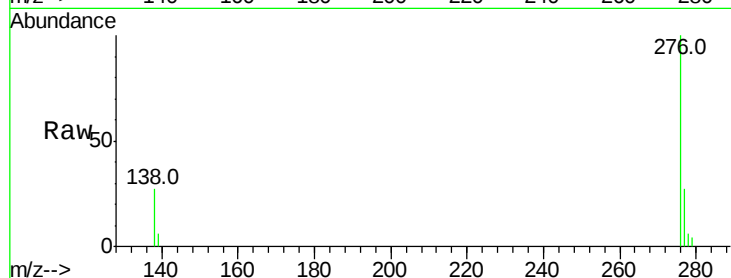
Lab File: BE094258.D

Acq: 10 Oct 2017 19:27

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 18009

Ion Ratio Lower Upper

276 100

138 27.0 21.8 32.8

277 27.1 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

