

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094057.D
 Acq On : 21 Sep 2017 6:41
 Operator : SJ/JU
 Sample : I5284-05 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3D0

Quant Time: Sep 21 07:31:03 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 21 07:18:34 2017
 Response via : Initial Calibration

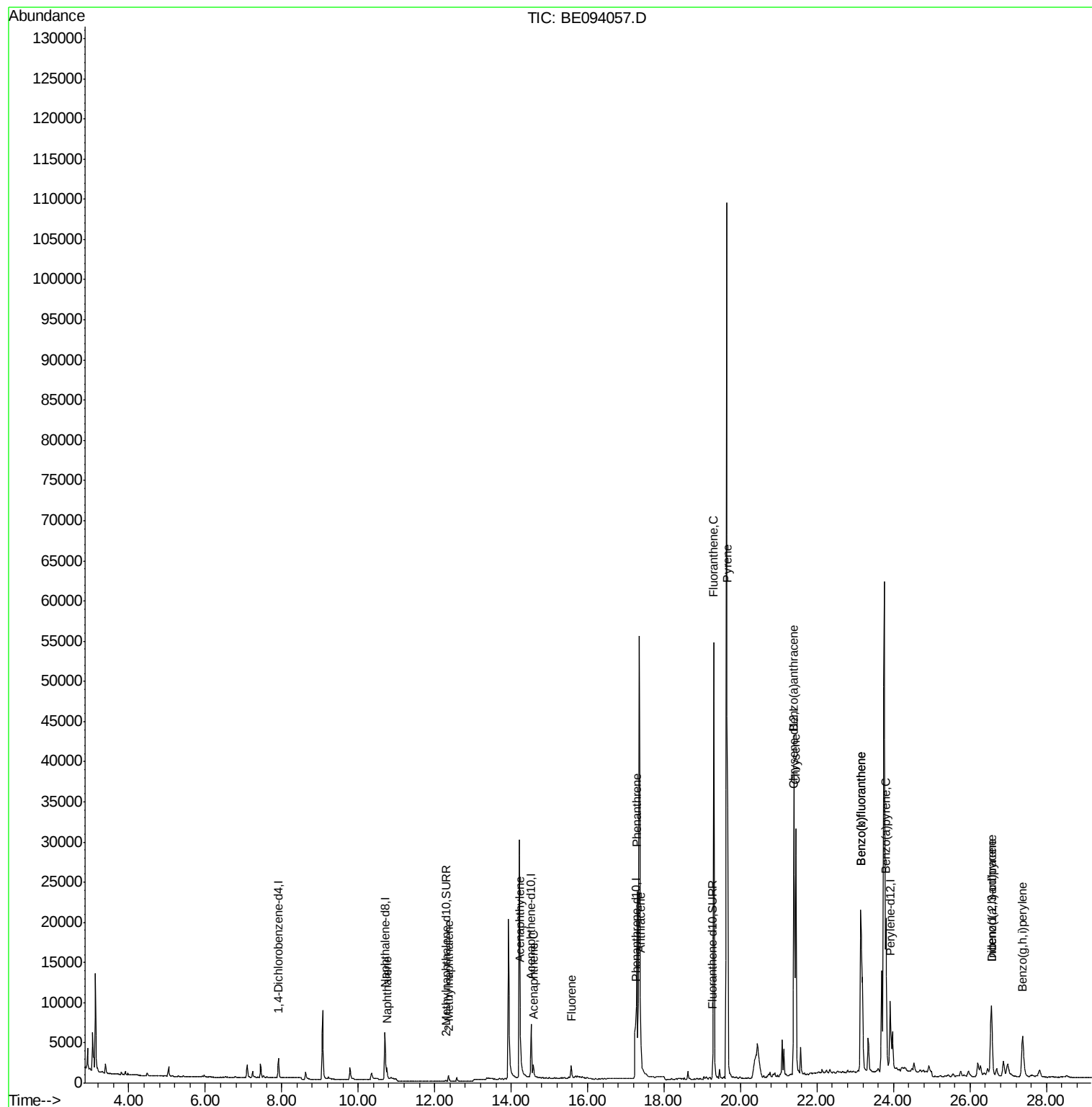
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1326	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6900	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4462	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11881	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	13957	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	14031	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	311	0.03	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	1215	0.03	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	2322	0.137	ng/ul#	94
5) 2-Methylnaphthalene	12.36	142	883	0.081	ng/ul	96
7) Acenaphthylene	14.24	152	1507	0.087	ng/ul#	92
8) Acenaphthene	14.58	153	1007	0.070	ng/ul	96
9) Fluorene	15.57	166	1176	0.070	ng/ul#	95
12) Phenanthrene	17.29	178	28963	0.933	ng/ul#	92
13) Anthracene	17.38	178	7040	0.233	ng/ul#	92
15) Fluoranthene	19.30	202	64584	1.583	ng/ul	84
17) Pyrene	19.66	202	59736	1.538	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	33563	0.906	ng/ul#	86
19) Chrysene	21.45	228	34418	0.805	ng/ul	97
21) Benzo(b)fluoranthene	23.14	252	55402	1.454	ng/ul	86
22) Benzo(k)fluoranthene	23.14	252	55402	1.258	ng/ul#	88
23) Benzo(a)pyrene	23.80	252	27525	0.695	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.56	276	16435	0.406	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	4417	0.130	ng/ul#	93
26) Benzo(a,h,i)perylene	27.38	276	12685	0.363	ng/ul	100

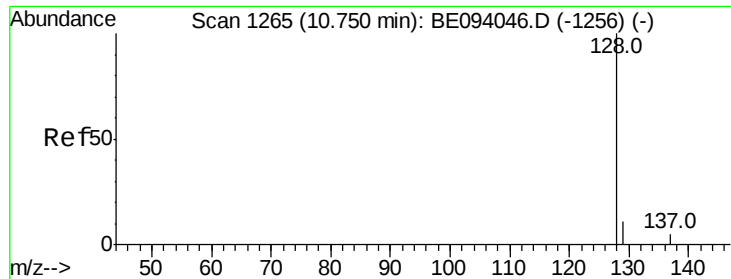
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.137 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

Instrument :

BNA_E

ClientSampleId :

CB3D0

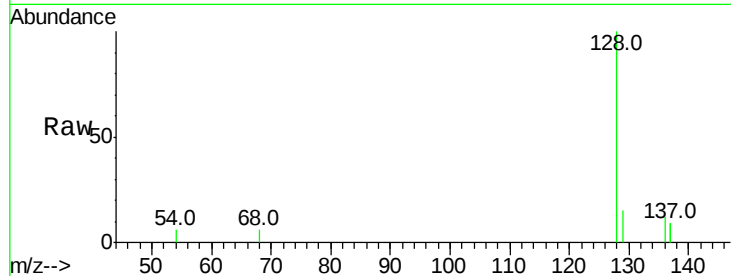
Tot Ion:128 Resp: 2322

Ion Ratio Lower Upper

128 100

129 15.4 11.3 16.9

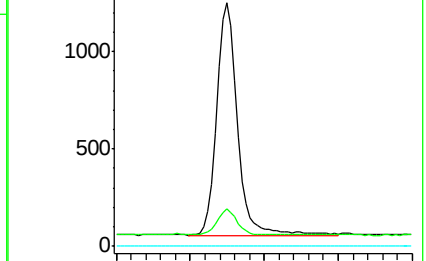
127 0.0 4.0 6.0#



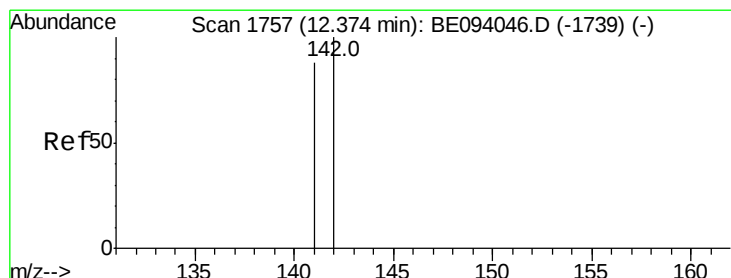
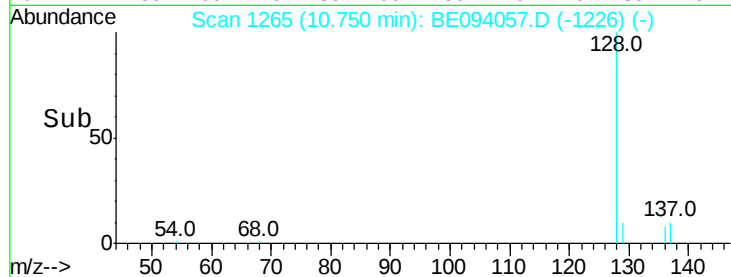
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time--> 10.60 10.70 10.80 10.90



#5

2-Methylnaphthalene

Concen: 0.081 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BE094057.D

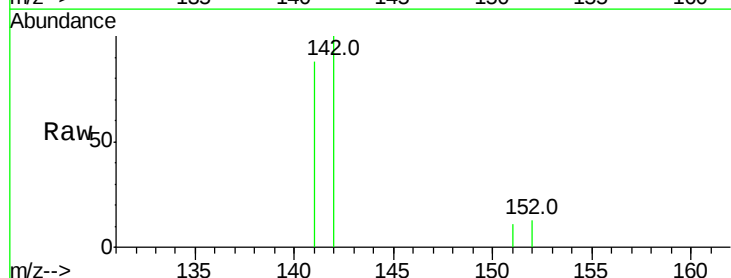
Acq: 21 Sep 2017 6:41

Tgt Ion:142 Resp: 883

Ion Ratio Lower Upper

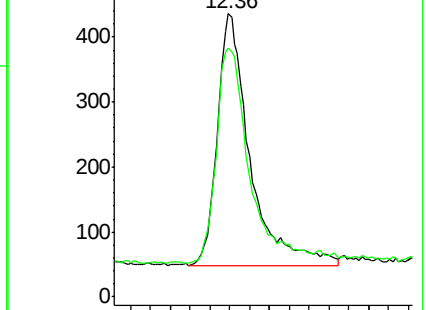
142 100

141 86.6 72.6 108.8

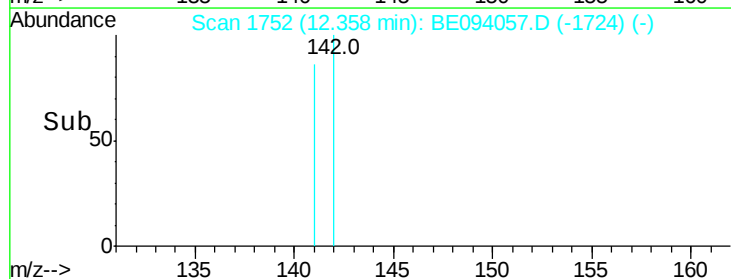


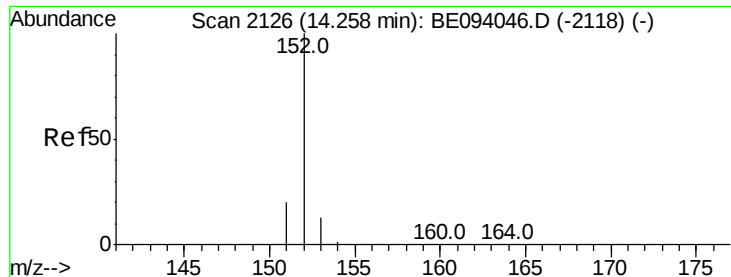
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 12.30 12.40 12.50





#7

Acenaphthylene

Concen: 0.087 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

Instrument :

BNA_E

ClientSampleId :

CB3D0

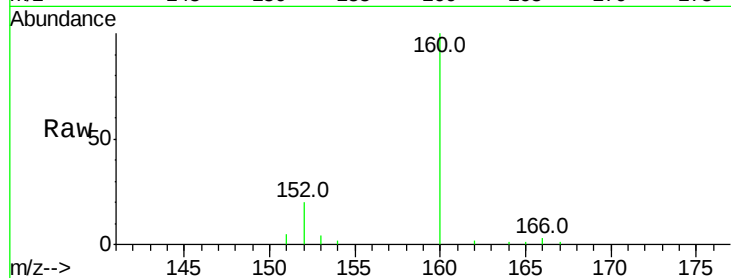
Tot Ion:152 Resp: 1507

Ion Ratio Lower Upper

152 100

151 25.5 17.1 25.7

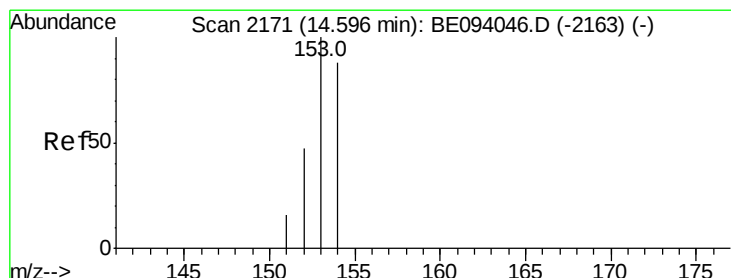
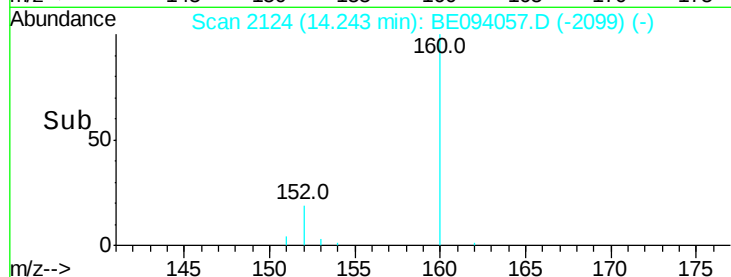
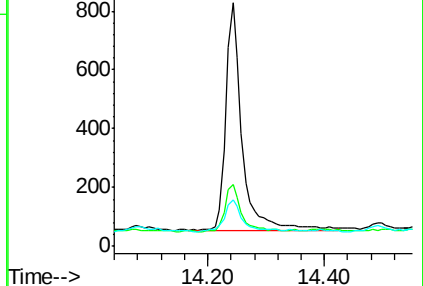
153 19.2 12.8 19.2#



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: 0.070 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

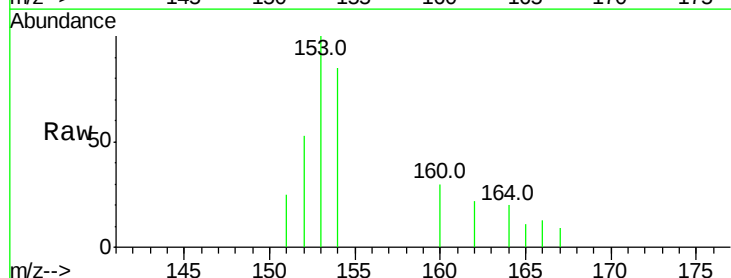
Tgt Ion:153 Resp: 1007

Ion Ratio Lower Upper

153 100

152 53.0 40.3 60.5

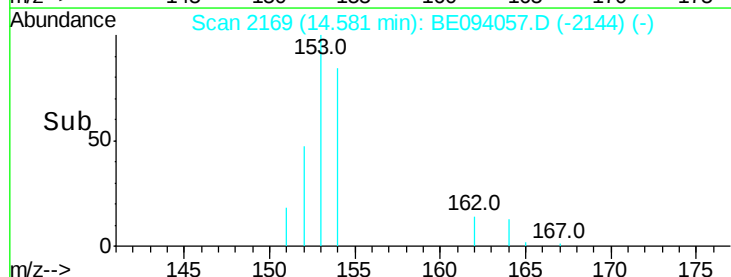
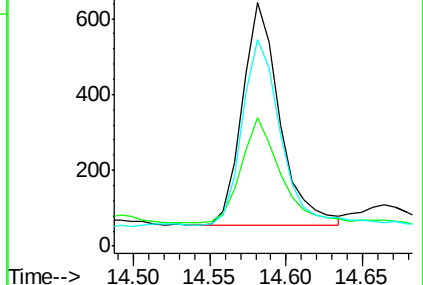
154 85.0 71.4 107.2

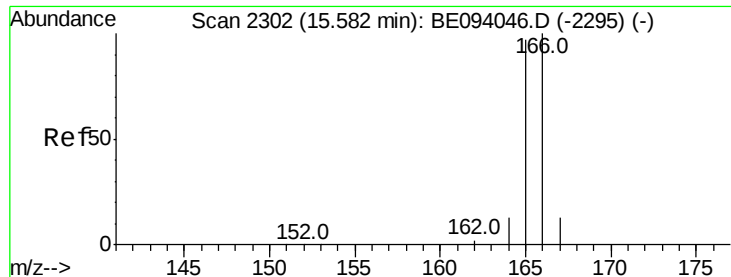


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

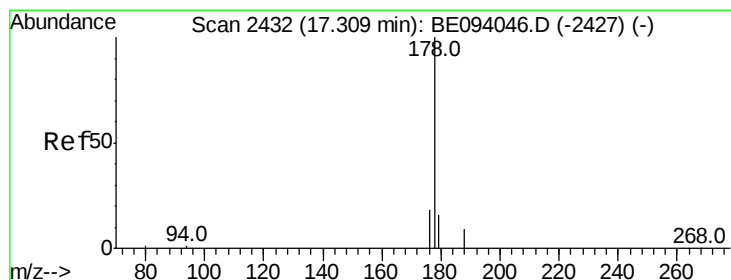
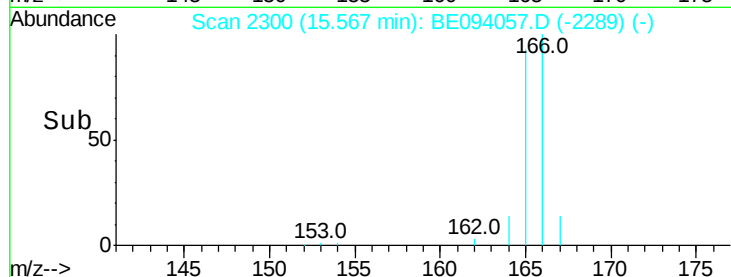
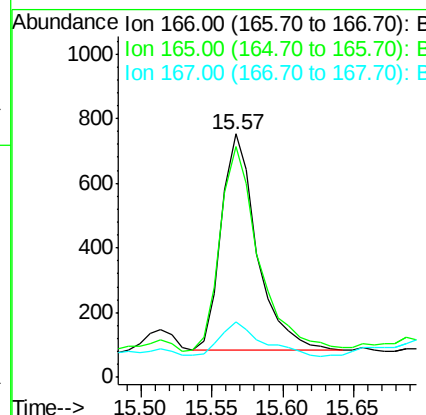
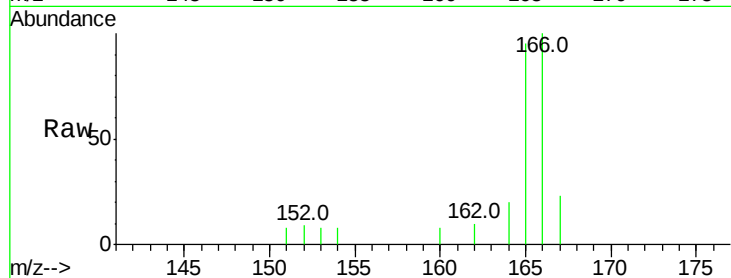




#9
Fluorene
 Concen: 0.070 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: BE094057.D
 Acq: 21 Sep 2017 6:41

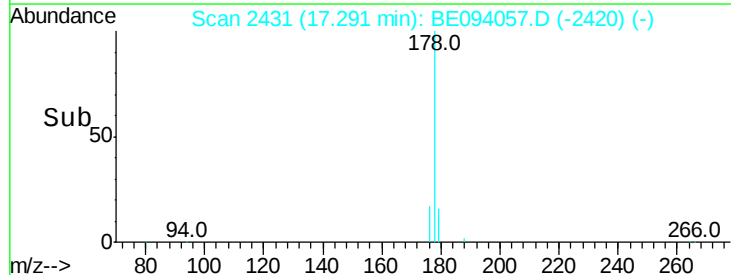
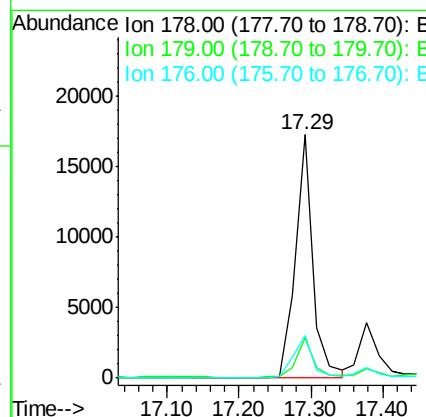
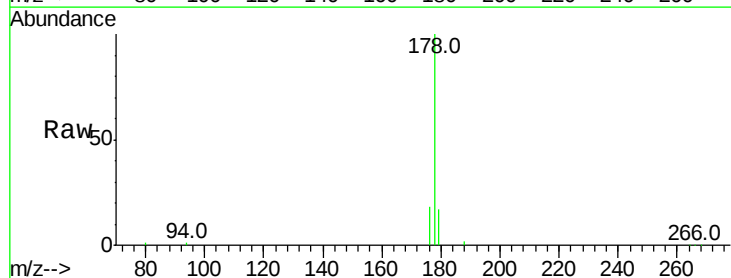
Instrument :
 BNA_E
 ClientSampleId :
 CB3D0

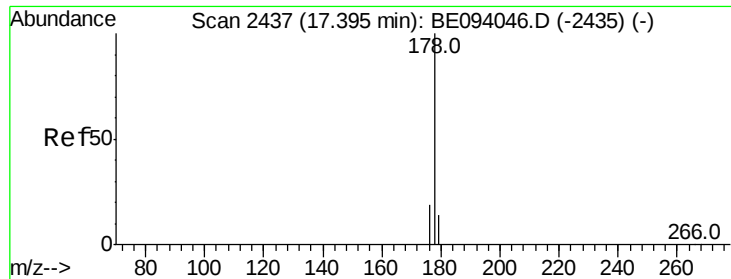
Tot Ion:166 Resp: 1176
 Ion Ratio Lower Upper
 166 100
 165 95.0 73.4 110.2
 167 23.0 14.6 22.0#



#12
Phenanthrene
 Concen: 0.933 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094057.D
 Acq: 21 Sep 2017 6:41

Tgt Ion:178 Resp: 28963
 Ion Ratio Lower Upper
 178 100
 179 16.6 18.4 27.6#
 176 17.6 13.6 20.4





#13

Anthracene

Concen: 0.233 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

Instrument :

BNA_E

ClientSampleId :

CB3D0

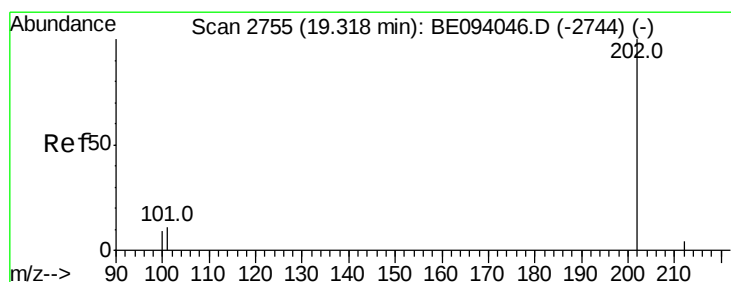
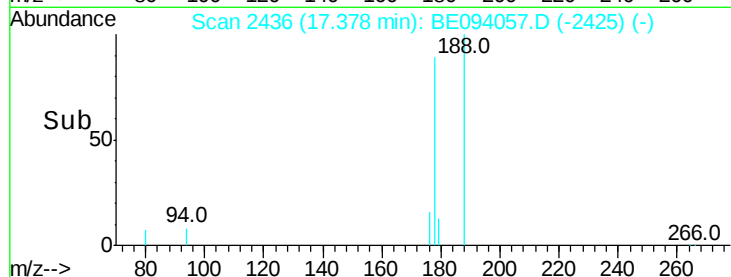
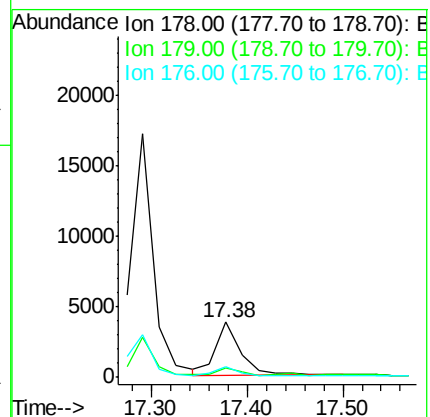
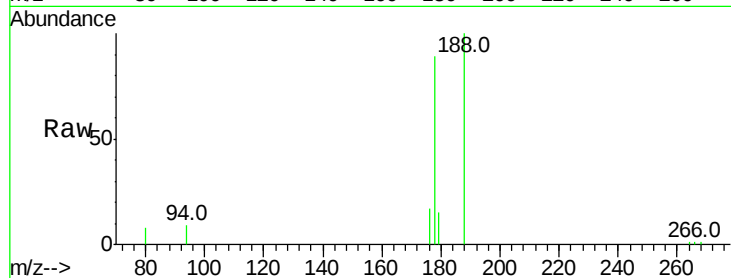
Tot Ion:178 Resp: 7040

Ion Ratio Lower Upper

178 100

179 16.5 18.1 27.1#

176 19.1 14.7 22.1



#15

Fluoranthene

Concen: 1.583 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

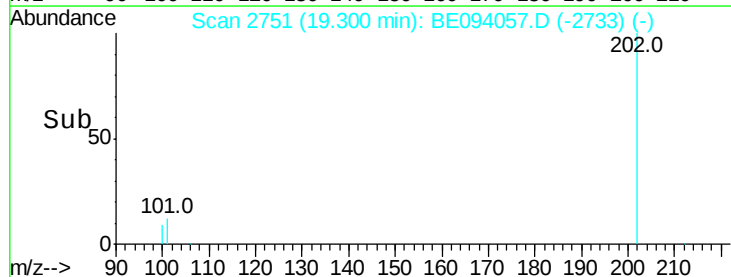
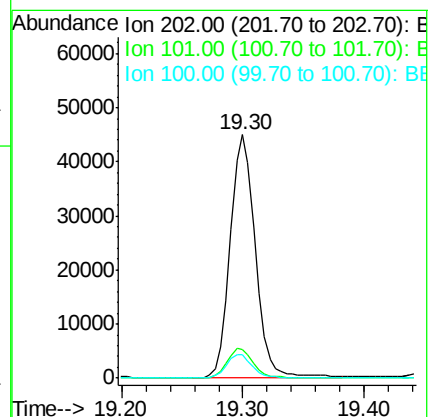
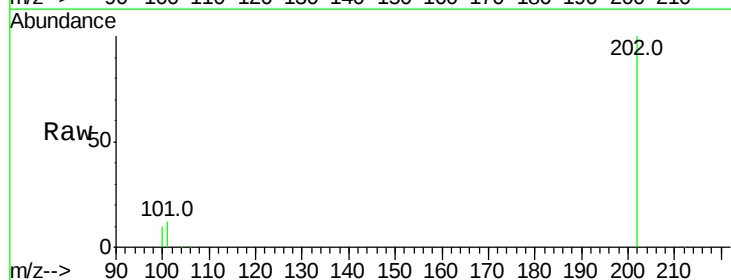
Tgt Ion:202 Resp: 64584

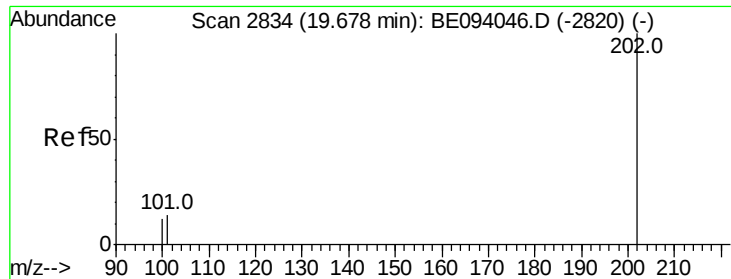
Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.3

100 9.5 0.0 39.5





#17

Pvrene

Concen: 1.538 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

Instrument :

BNA_E

ClientSampleId :

CB3D0

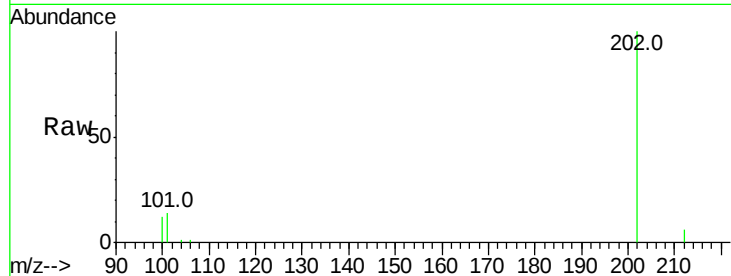
Tot Ion:202 Resp: 59736

Ion Ratio Lower Upper

202 100

101 14.0 18.2 27.4#

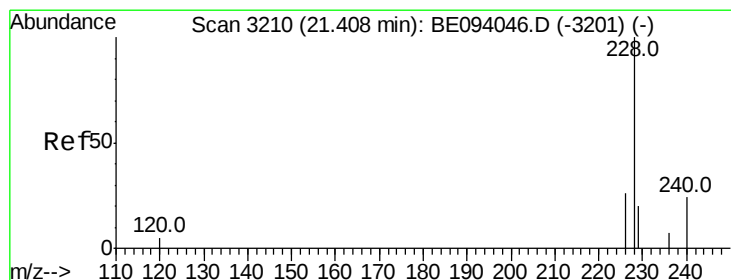
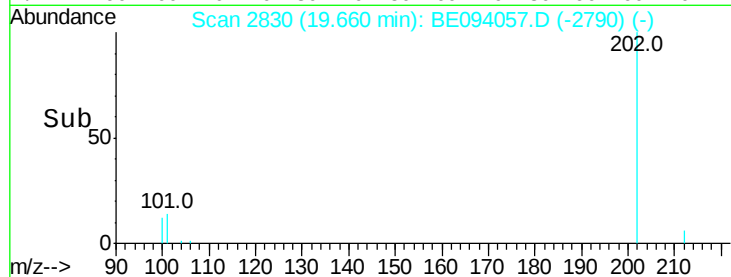
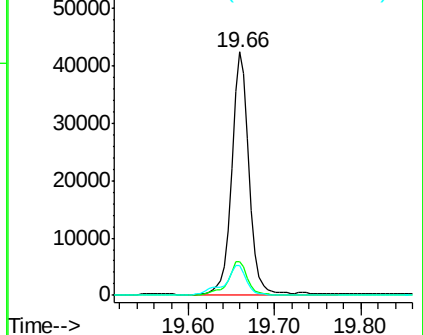
100 12.1 15.6 23.4#



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: 0.906 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

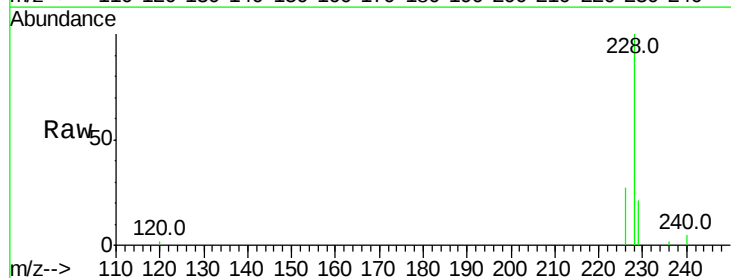
Tgt Ion:228 Resp: 33563

Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

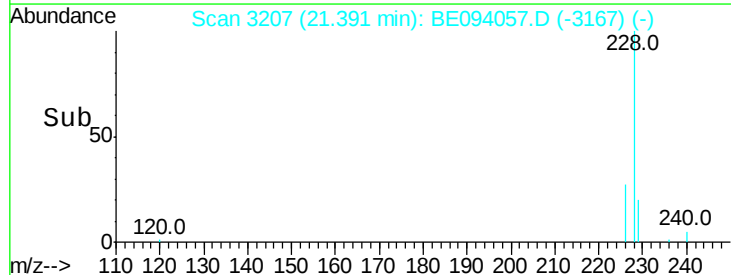
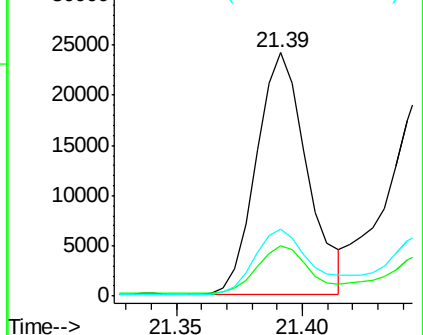
226 27.5 17.0 25.6#

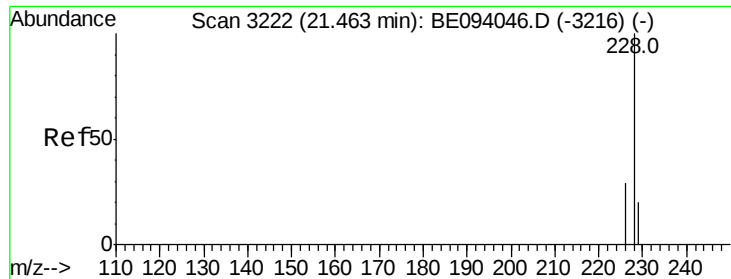


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.805 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

Instrument :

BNA_E

ClientSampleId :

CB3D0

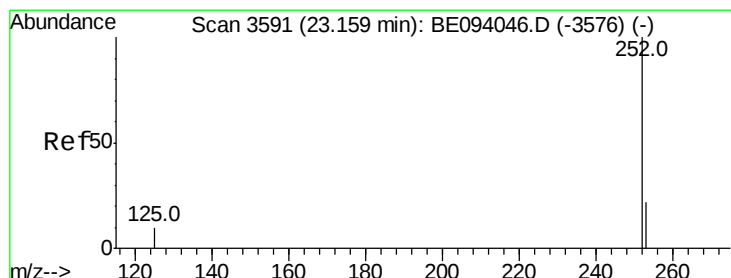
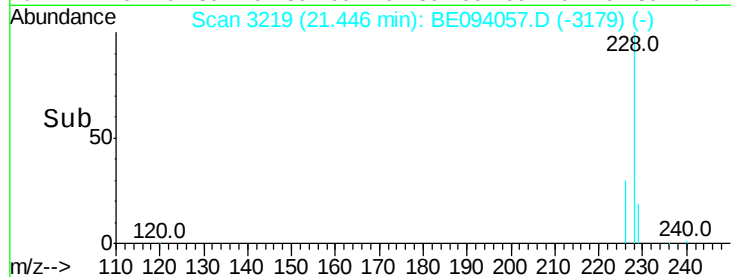
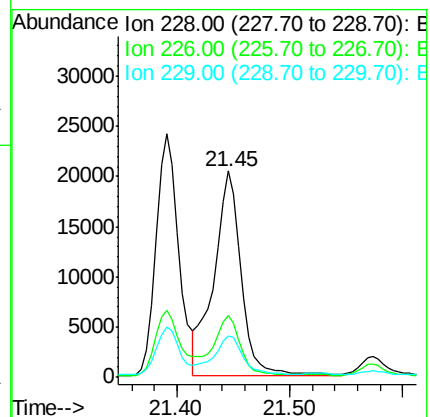
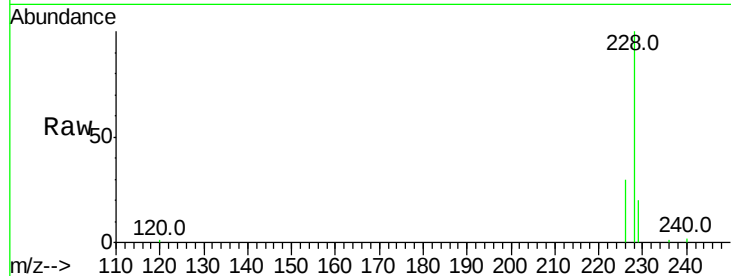
Tot Ion:228 Resp: 34418

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

229 20.2 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 1.454 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

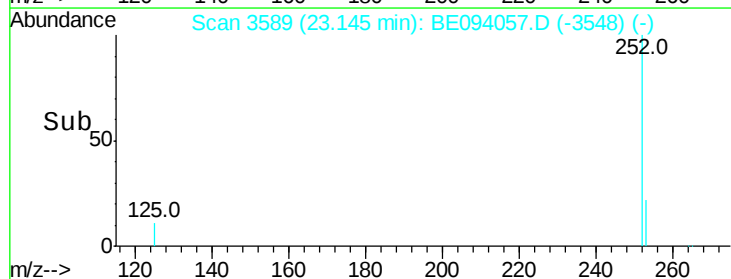
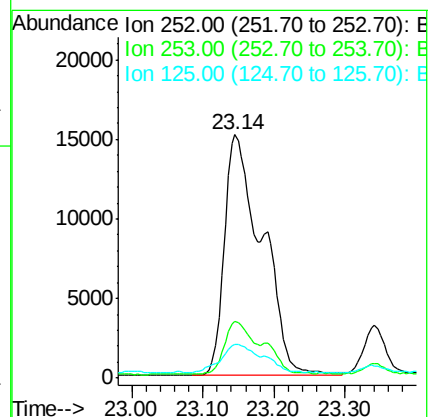
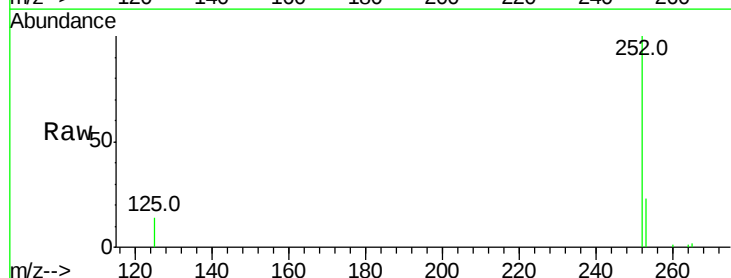
Tgt Ion:252 Resp: 55402

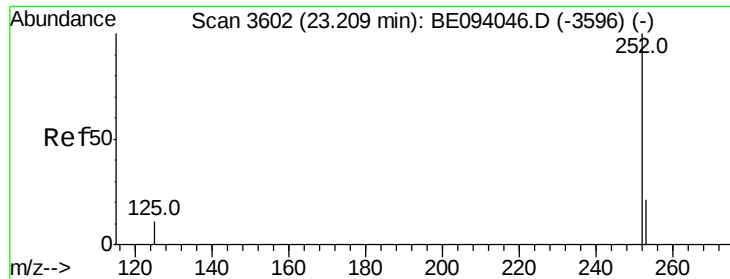
Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

125 13.7 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 1.258 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.06 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

Instrument :

BNA_E

ClientSampleId :

CB3D0

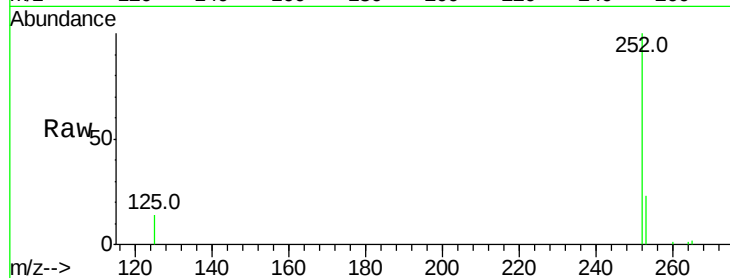
Tot Ion:252 Resp: 55402

Ion Ratio Lower Upper

252 100

253 23.1 24.5 36.7#

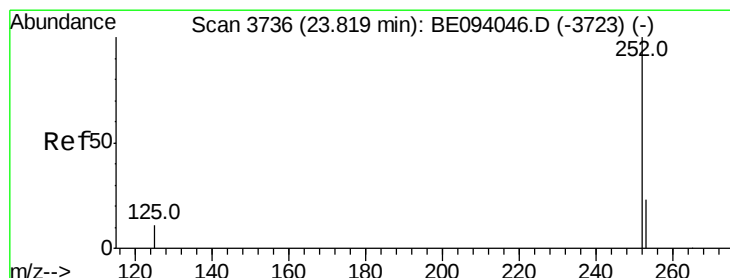
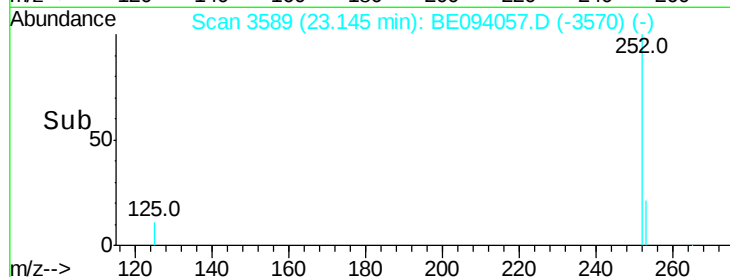
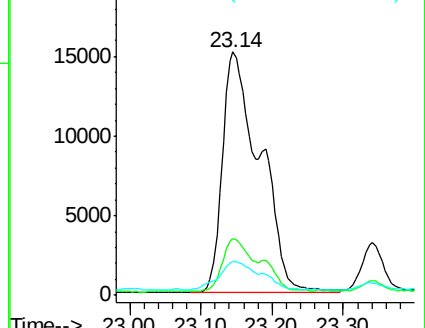
125 13.7 13.7 20.5#



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: 0.695 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

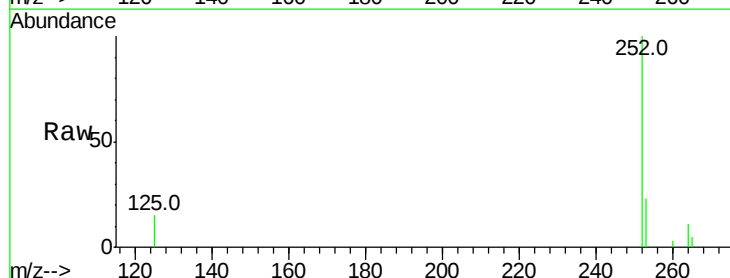
Tgt Ion:252 Resp: 27525

Ion Ratio Lower Upper

252 100

253 23.4 28.5 42.7#

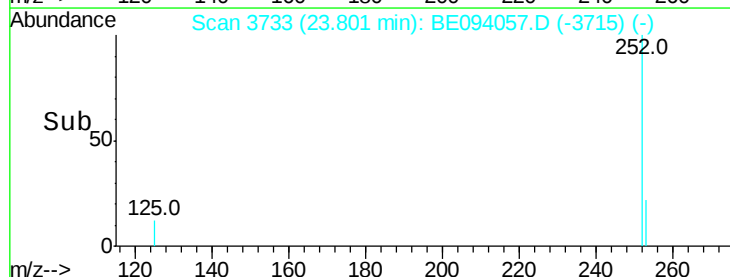
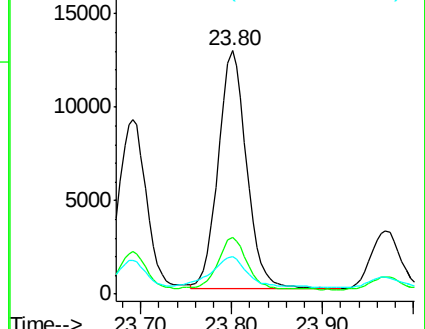
125 15.2 18.1 27.1#

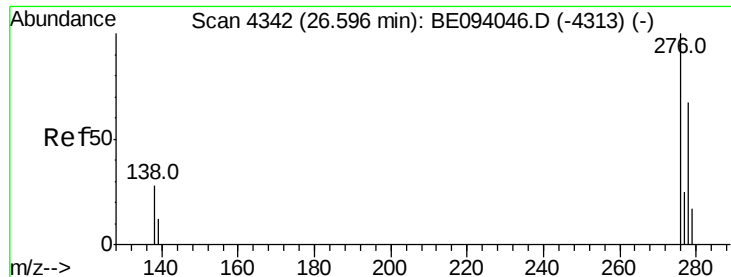


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.406 ng/ul

RT: 26.56 min Scan# 4335

Delta R.T. -0.04 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

Instrument :

BNA_E

ClientSampleId :

CB3D0

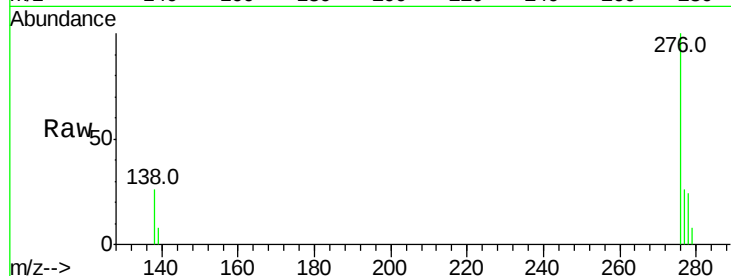
Tot Ion:276 Resp: 16435

Ion Ratio Lower Upper

276 100

138 23.8 28.0 42.0#

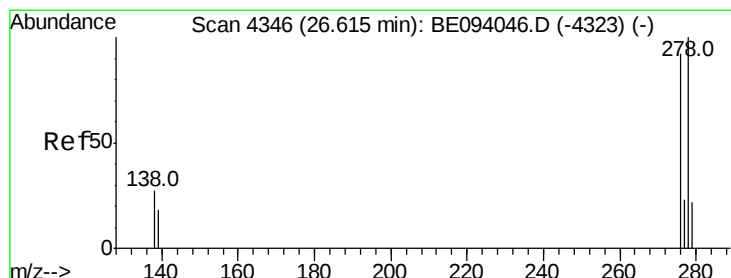
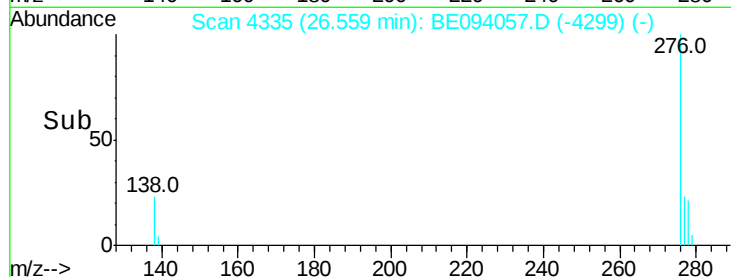
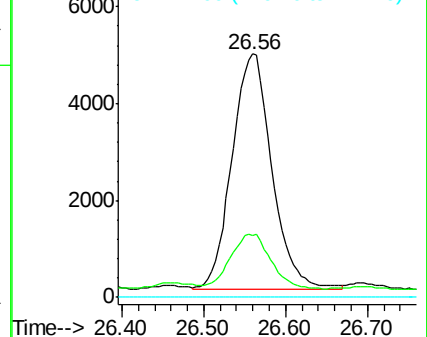
227 0.0 8.0 12.0#



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: 0.130 ng/ul

RT: 26.57 min Scan# 4337

Delta R.T. -0.05 min

Lab File: BE094057.D

Acq: 21 Sep 2017 6:41

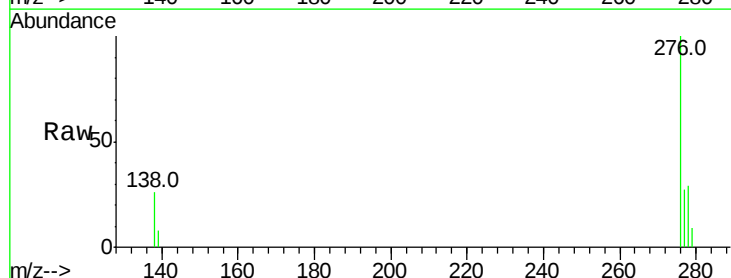
Tgt Ion:278 Resp: 4417

Ion Ratio Lower Upper

278 100

139 29.1 17.4 26.0#

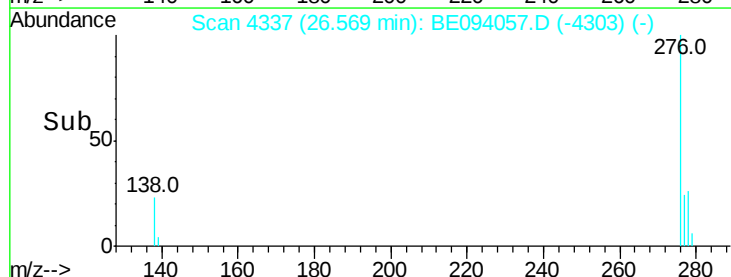
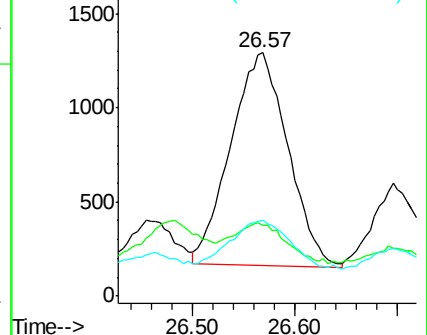
279 31.3 25.9 38.9

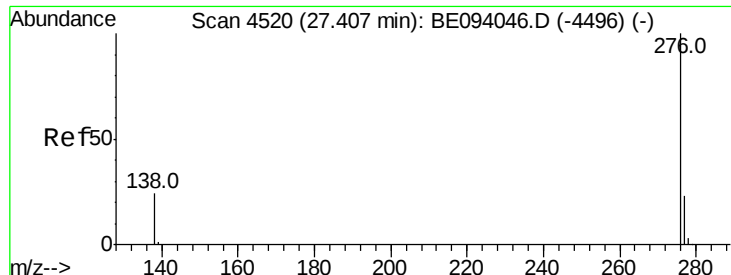


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.363 ng/ul

RT: 27.38 min Scan# 4514

Delta R.T. -0.03 min

Lab File: BE094057.D

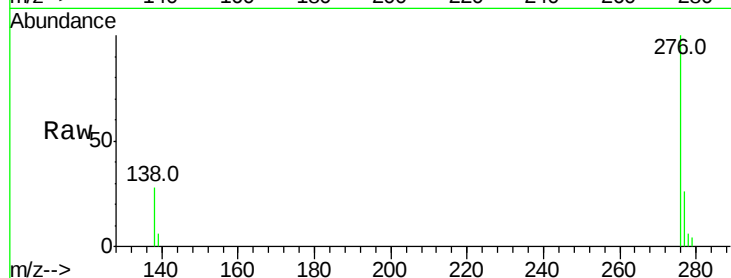
Acq: 21 Sep 2017 6:41

Instrument :

BNA_E

ClientSampleId :

CB3D0



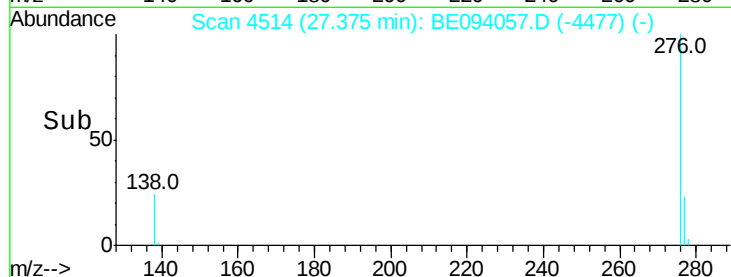
Tot Ion:276 Resp: 12685

Ion Ratio Lower Upper

276 100

138 27.7 21.8 32.8

277 25.6 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

