

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094041.D
 Acq On : 20 Sep 2017 20:47
 Operator : SJ/JU
 Sample : I5283-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3B0

Quant Time: Sep 21 06:28:39 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 06:26:27 2017
 Response via : Initial Calibration

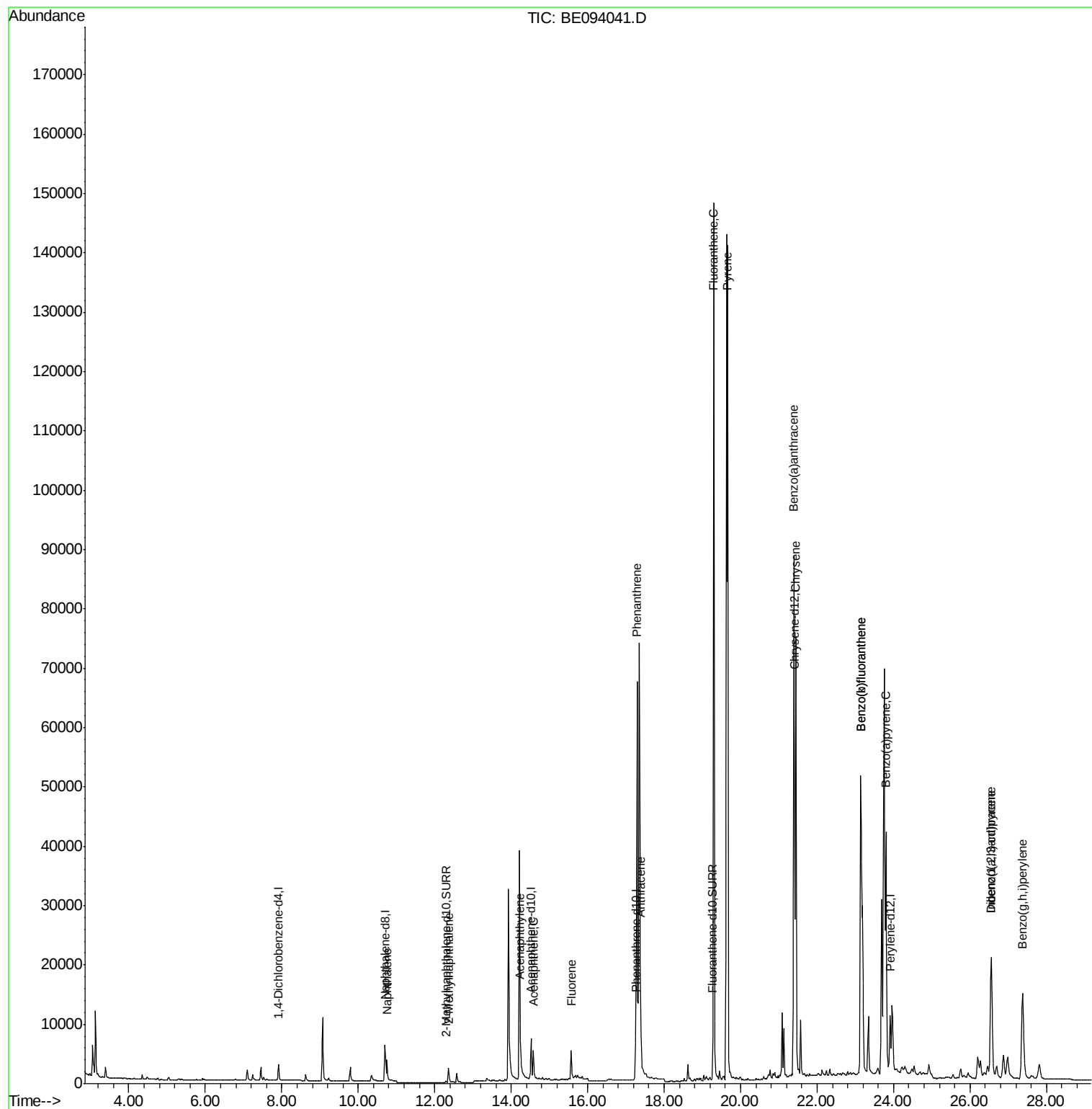
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1439	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7202	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4591	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	12605	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	15651	0.40	ng/ul	-0.02
20) Perylene-d12	23.91	264	15003	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	377	0.03	ng/ul	-0.03
14) Fluoranthene-d10	19.27	212	1569	0.04	ng/ul	-0.03
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	6055	0.343	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	2798	0.244	ng/ul	99
7) Acenaphthylene	14.24	152	2639	0.147	ng/ul	97
8) Acenaphthene	14.58	153	3204	0.217	ng/ul	99
9) Fluorene	15.57	166	3659	0.212	ng/ul	95
12) Phenanthrene	17.29	178	85230	2.587	ng/ul#	91
13) Anthracene	17.38	178	19272	0.602	ng/ul#	92
15) Fluoranthene	19.30	202	172029	3.975	ng/ul	84
17) Pyrene	19.66	202	154988	3.559	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	81843	1.971	ng/ul#	87
19) Chrysene	21.45	228	83611	1.744	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	134572	3.302	ng/ul	85
22) Benzo(k)fluoranthene	23.14	252	134461	2.854	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	63554	1.501	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.56	276	37340	0.862	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.56	278	10080	0.277	ng/ul	94
26) Benzo(a,h,i)perylene	27.38	276	36699	0.982	ng/ul	97

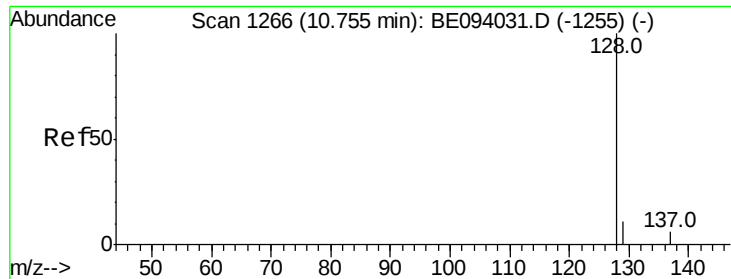
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.343 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

Instrument :

BNA_E

ClientSampleId :

CB3B0

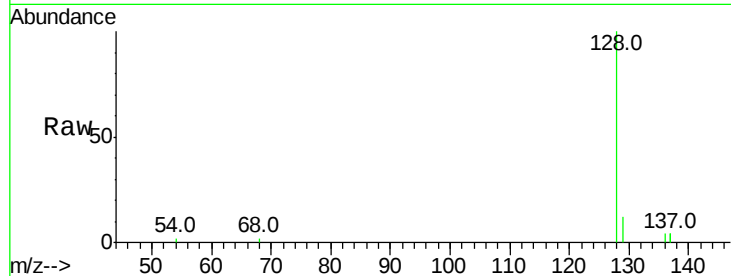
Tot Ion:128 Resp: 6055

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

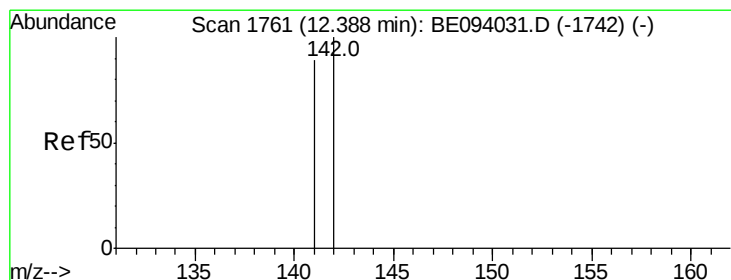
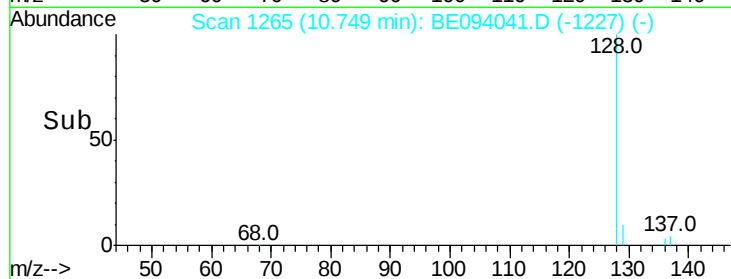
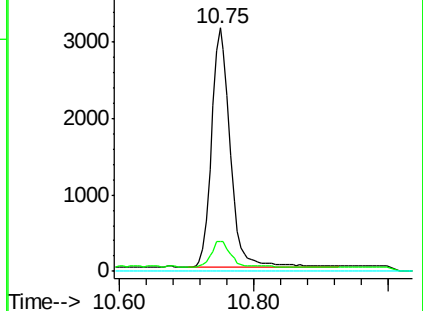
127 0.0 4.0 6.0#



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: 0.244 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.03 min

Lab File: BE094041.D

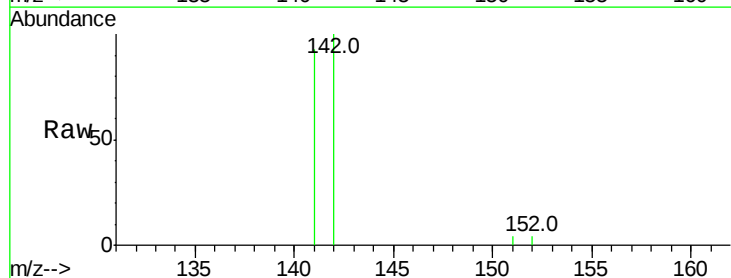
Acq: 20 Sep 2017 20:47

Tgt Ion:142 Resp: 2798

Ion Ratio Lower Upper

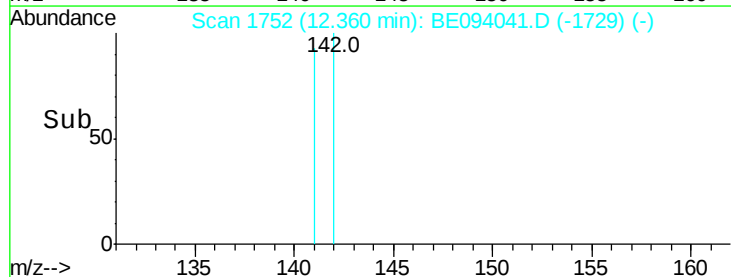
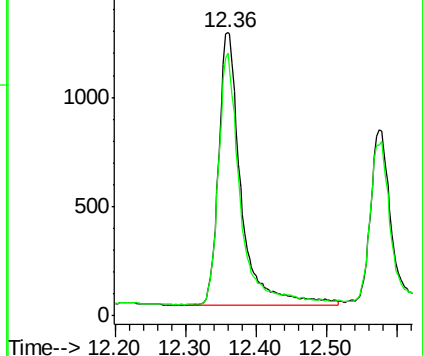
142 100

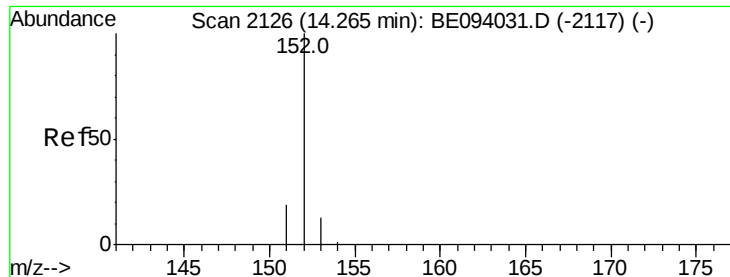
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.147 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

Instrument :

BNA_E

ClientSampleId :

CB3B0

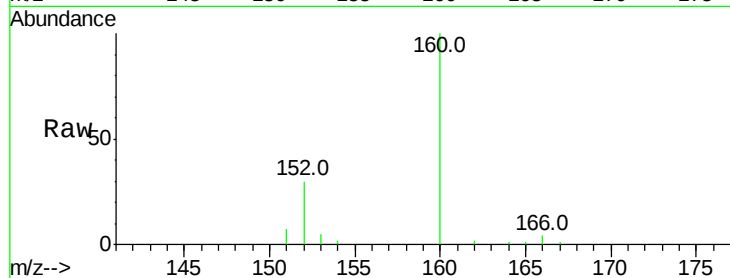
Tot Ion:152 Resp: 2639

Ion Ratio Lower Upper

152 100

151 22.4 17.1 25.7

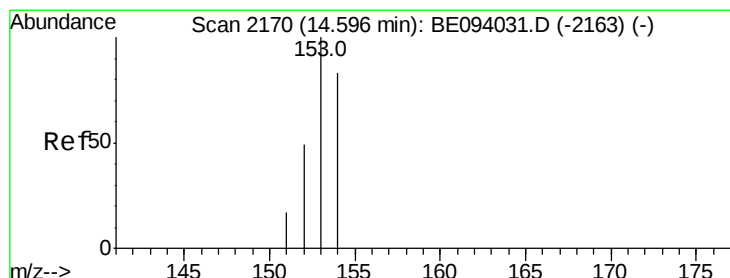
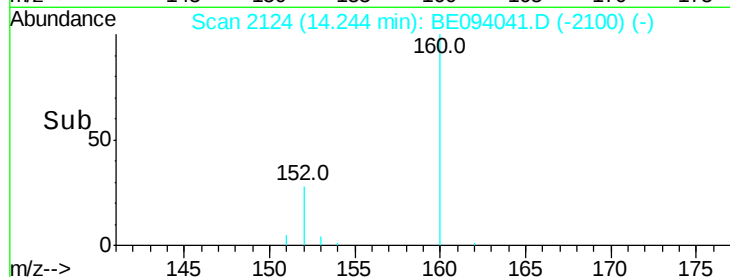
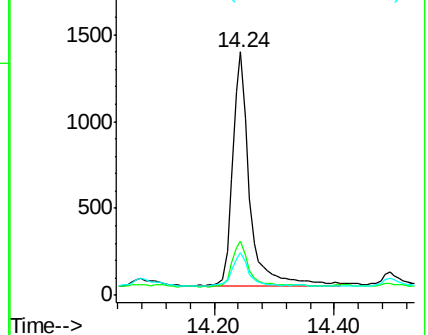
153 17.4 12.8 19.2



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



#8

Acenaphthene

Concen: 0.217 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

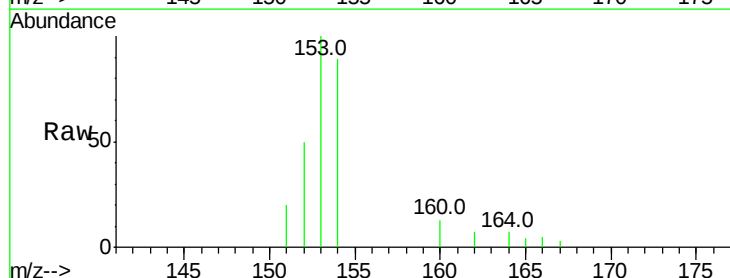
Tgt Ion:153 Resp: 3204

Ion Ratio Lower Upper

153 100

152 49.7 40.3 60.5

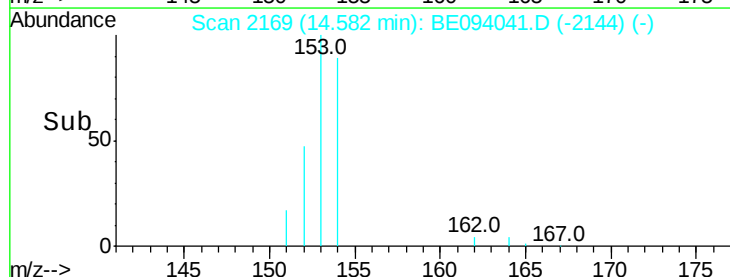
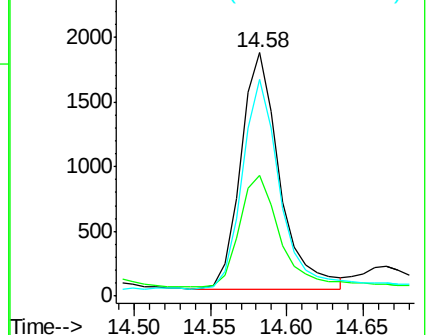
154 89.0 71.4 107.2

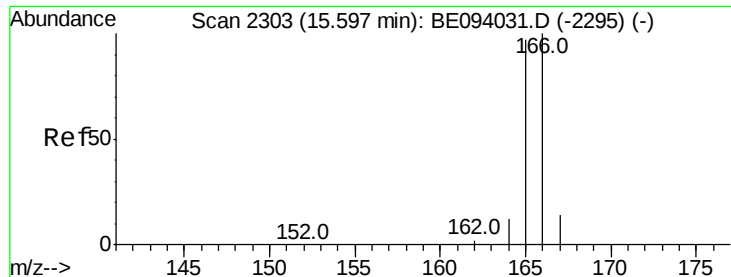


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

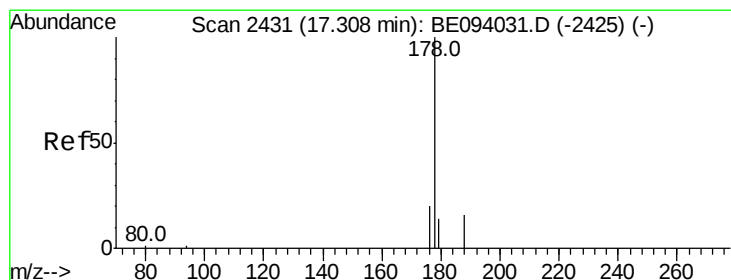
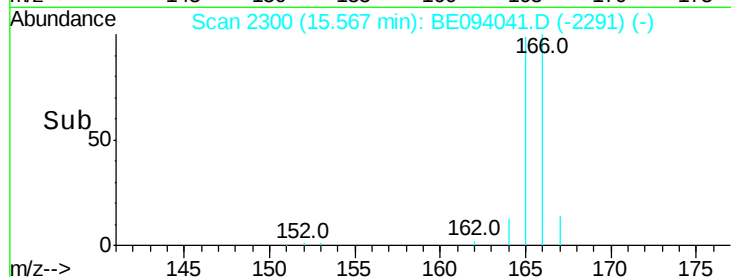
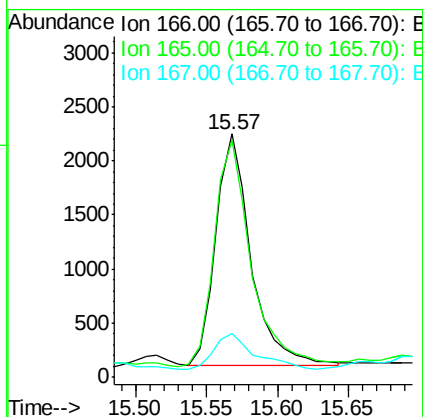
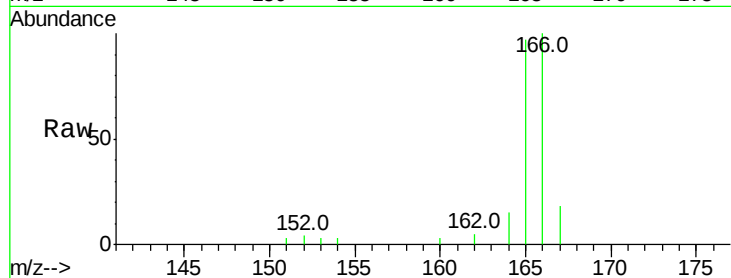




#9
Fluorene
 Concen: 0.212 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.03 min
 Lab File: BE094041.D
 Acq: 20 Sep 2017 20:47

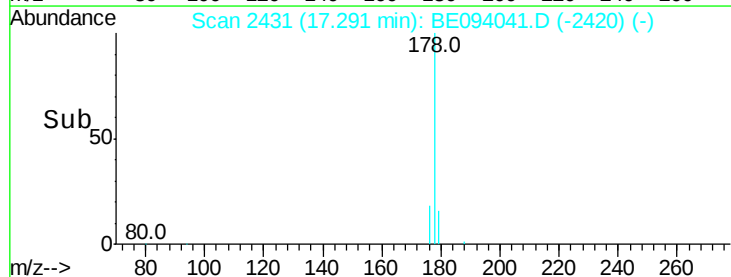
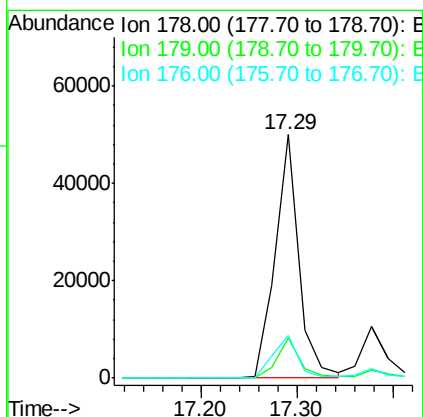
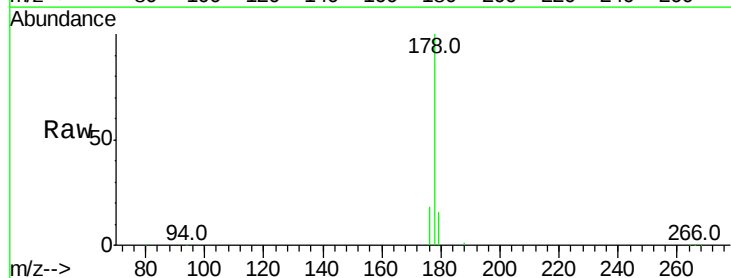
Instrument :
 BNA_E
 ClientSampleId :
 CB3B0

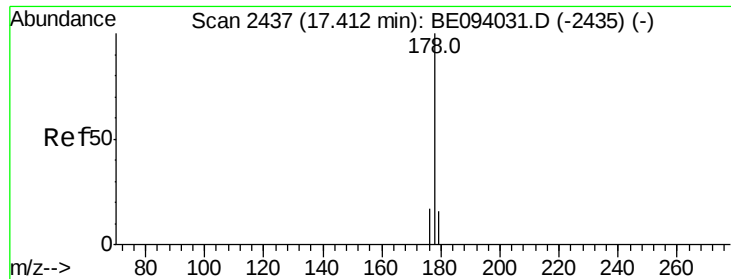
Tot Ion:166 Resp: 3659
 Ion Ratio Lower Upper
 166 100
 165 97.4 73.4 110.2
 167 17.8 14.6 22.0



#12
Phenanthrene
 Concen: 2.587 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094041.D
 Acq: 20 Sep 2017 20:47

Tgt Ion:178 Resp: 85230
 Ion Ratio Lower Upper
 178 100
 179 16.3 18.4 27.6#
 176 17.7 13.6 20.4





#13

Anthracene

Concen: 0.602 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

Instrument :

BNA_E

ClientSampleId :

CB3B0

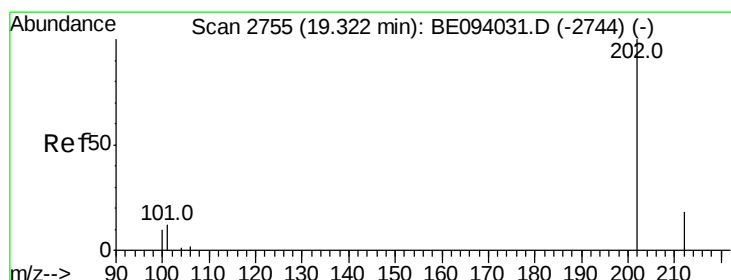
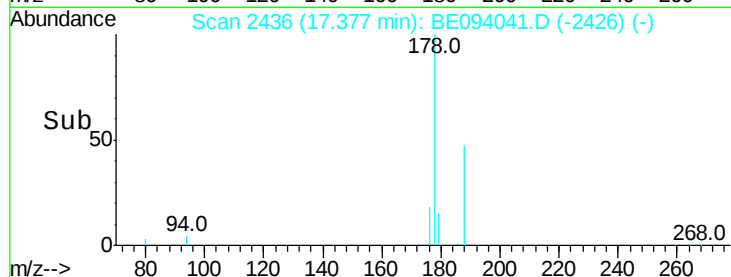
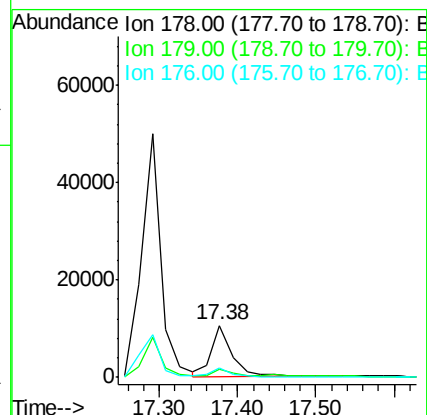
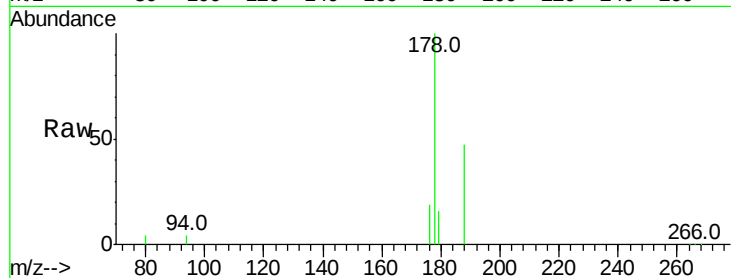
Tot Ion:178 Resp: 19272

Ion Ratio Lower Upper

178 100

179 15.9 18.1 27.1#

176 18.8 14.7 22.1



#15

Fluoranthene

Concen: 3.975 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

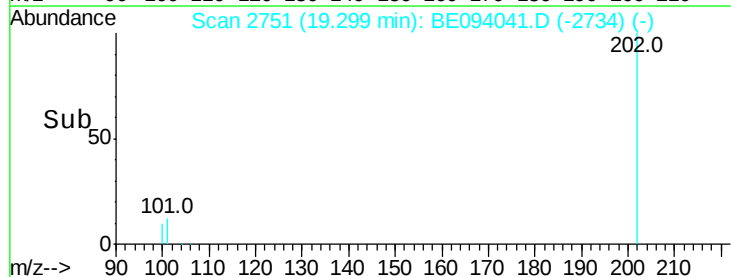
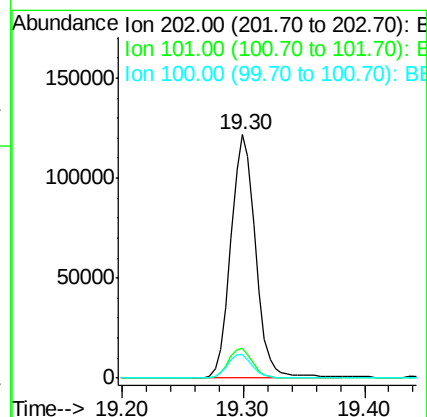
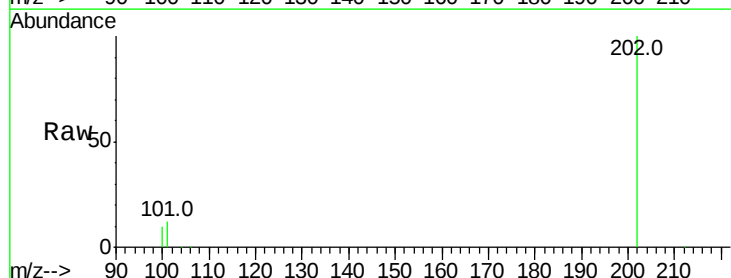
Tgt Ion:202 Resp: 172029

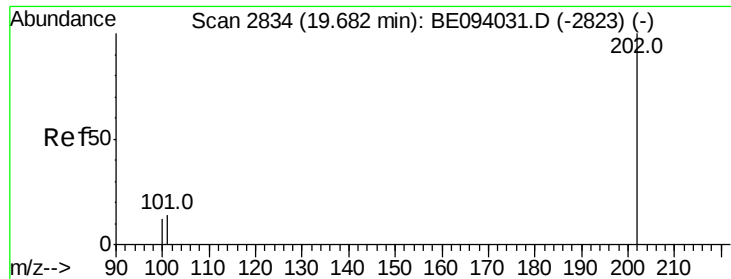
Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

100 9.6 0.0 39.5





#17

Pvrene

Concen: 3.559 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

Instrument :

BNA_E

ClientSampleId :

CB3B0

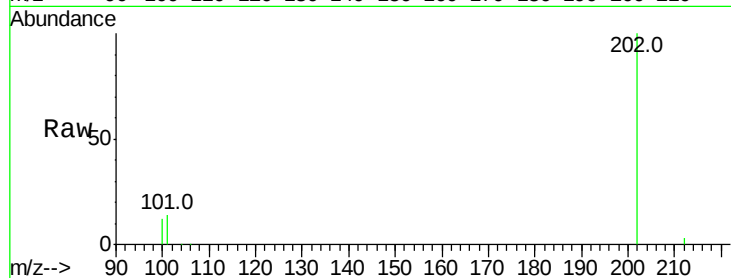
Tot Ion:202 Resp: 154988

Ion Ratio Lower Upper

202 100

101 13.8 18.2 27.4#

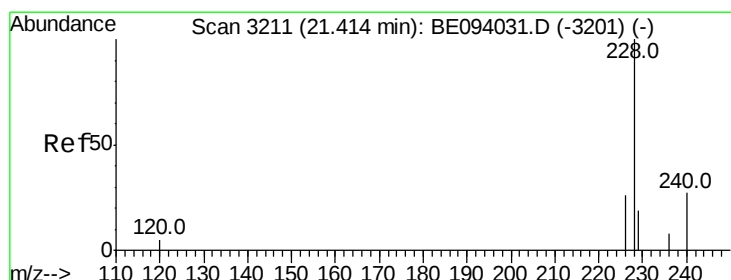
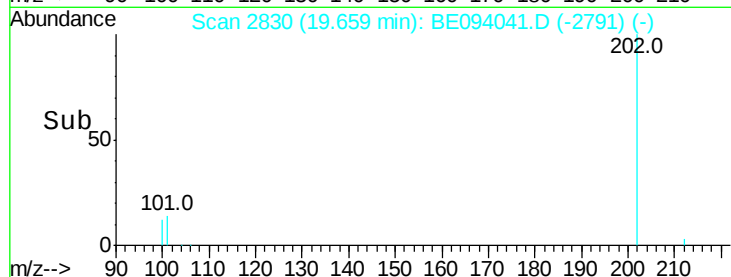
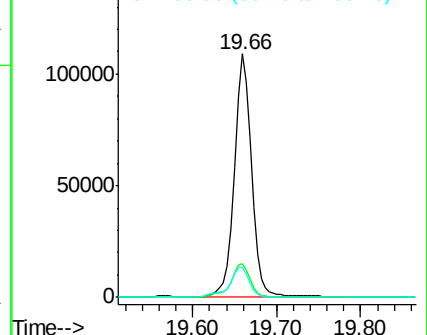
100 12.1 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 1.971 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

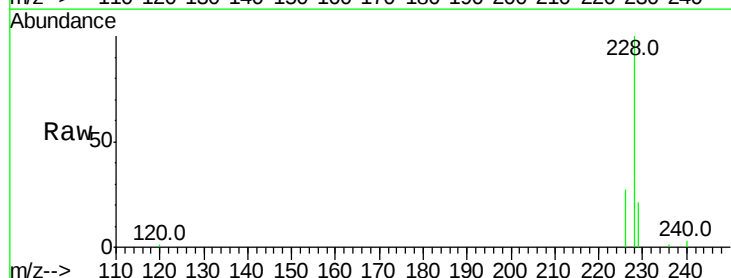
Tgt Ion:228 Resp: 81843

Ion Ratio Lower Upper

228 100

229 20.9 22.8 34.2#

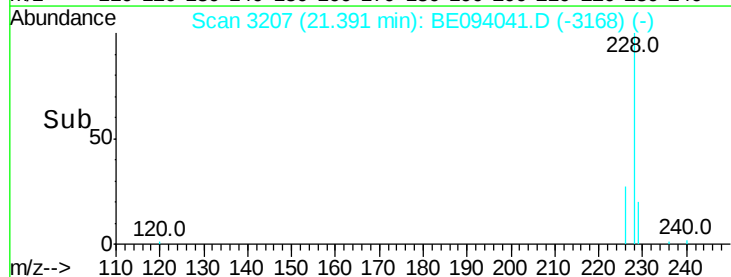
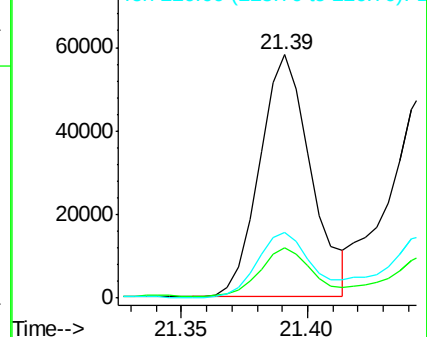
226 27.1 17.0 25.6#

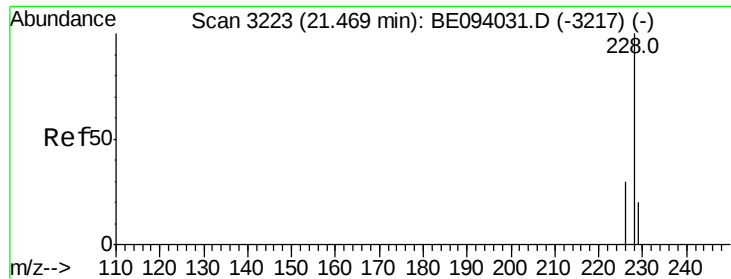


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.744 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

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CB3B0

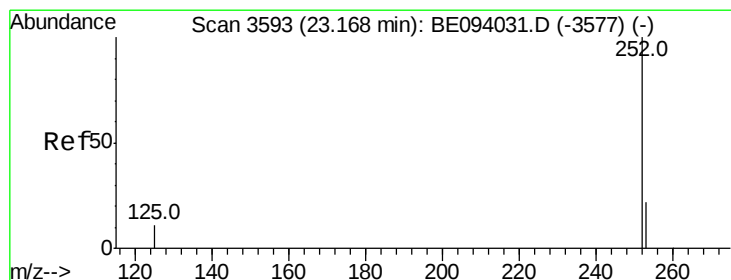
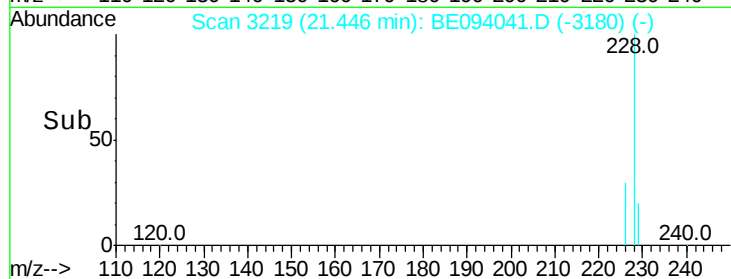
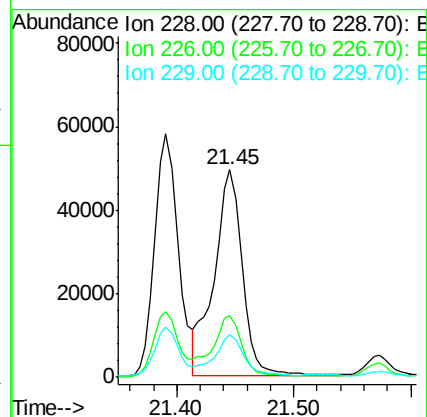
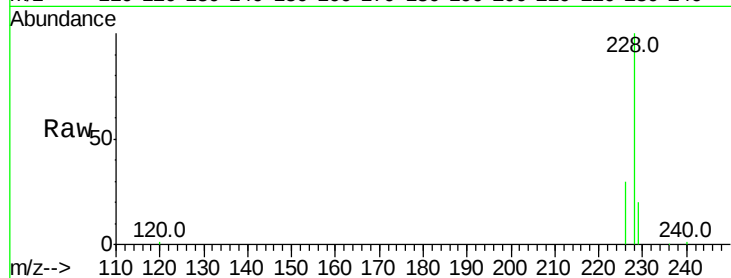
Tot Ion:228 Resp: 83611

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.0

229 20.3 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 3.302 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.03 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

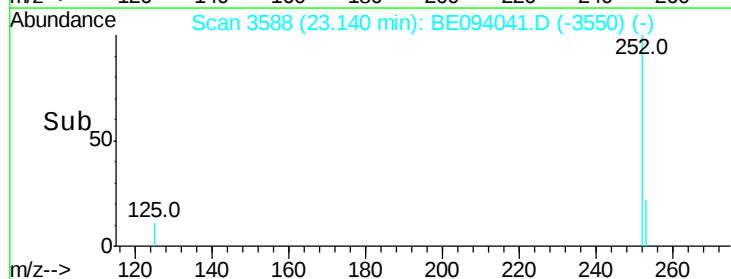
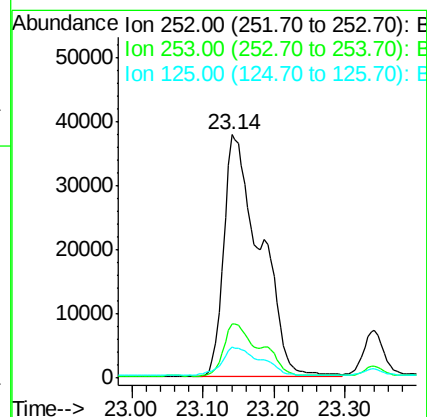
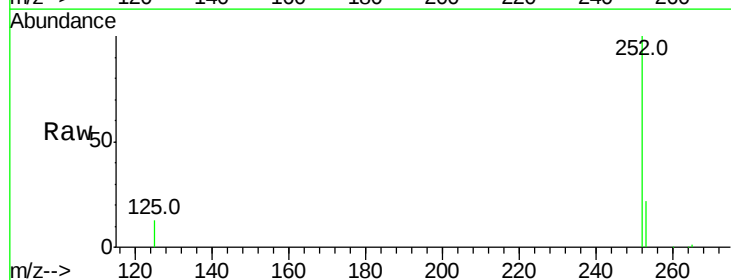
Tgt Ion:252 Resp: 134572

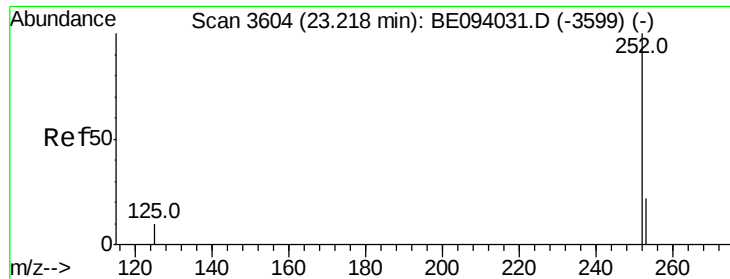
Ion Ratio Lower Upper

252 100

253 22.3 0.0 64.2

125 12.6 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 2.854 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.08 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

Instrument :

BNA_E

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CB3B0

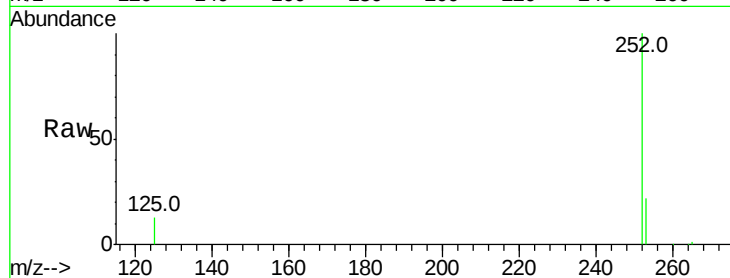
Tot Ion:252 Resp: 134461

Ion Ratio Lower Upper

252 100

253 22.3 24.5 36.7#

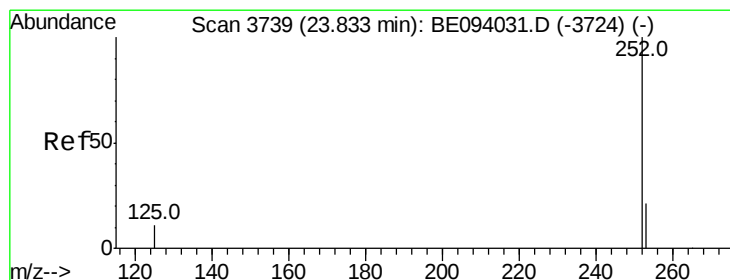
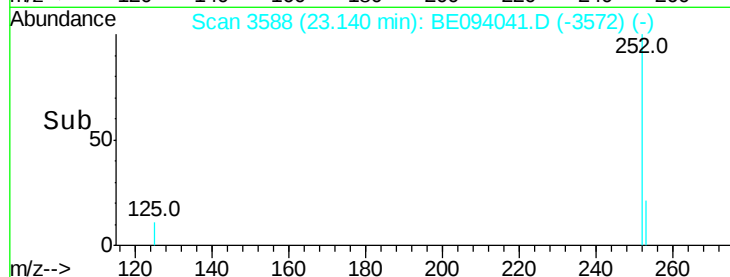
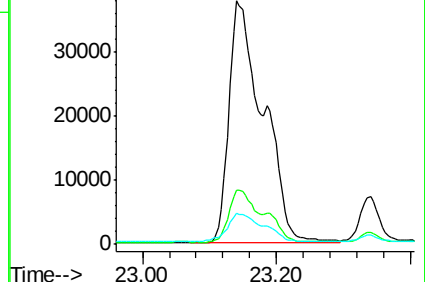
125 12.6 13.7 20.5#



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: 1.501 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.03 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

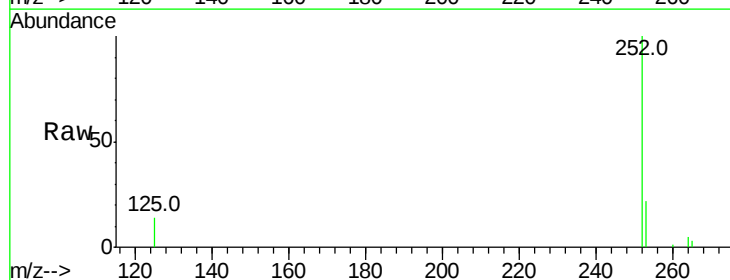
Tgt Ion:252 Resp: 63554

Ion Ratio Lower Upper

252 100

253 22.5 28.5 42.7#

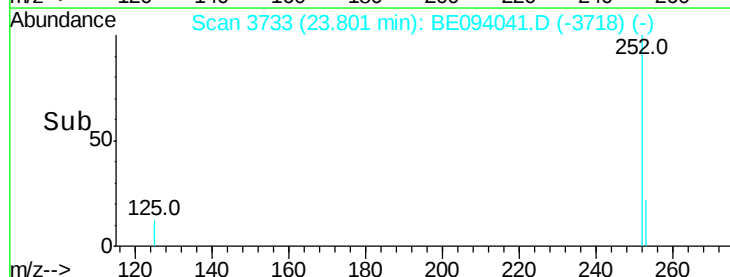
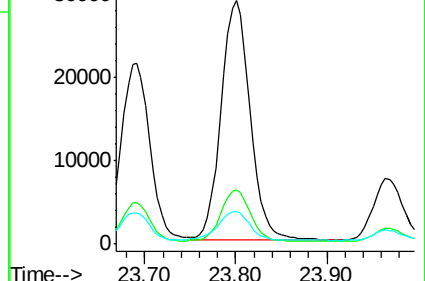
125 13.5 18.1 27.1#

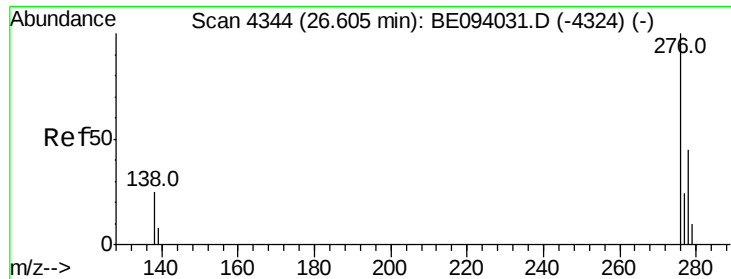


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.862 ng/ul

RT: 26.56 min Scan# 4335

Delta R.T. -0.05 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

Instrument :

BNA_E

ClientSampleId :

CB3B0

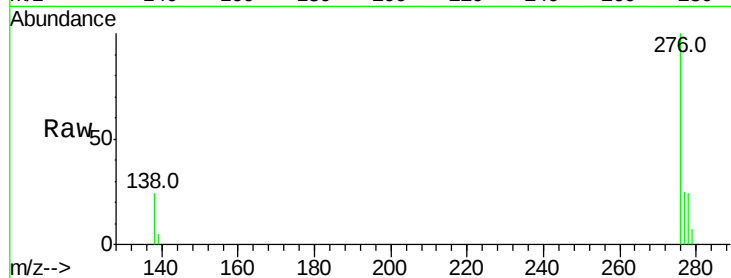
Tot Ion:276 Resp: 37340

Ion Ratio Lower Upper

276 100

138 24.3 28.0 42.0#

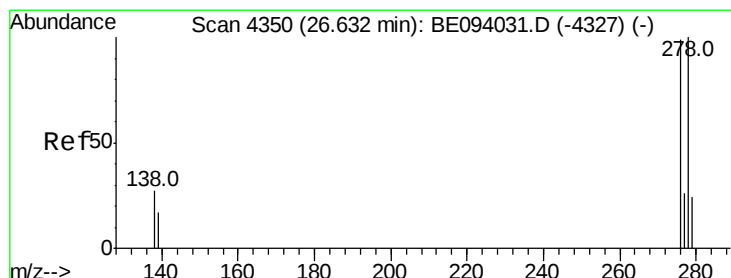
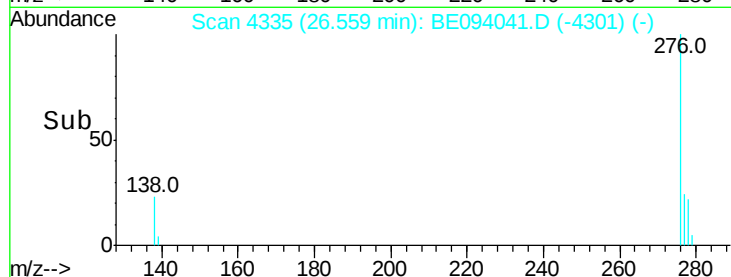
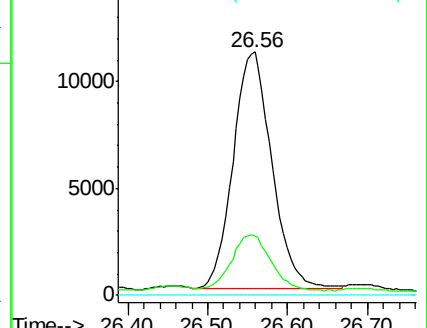
227 0.0 8.0 12.0#



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: 0.277 ng/ul

RT: 26.56 min Scan# 4335

Delta R.T. -0.07 min

Lab File: BE094041.D

Acq: 20 Sep 2017 20:47

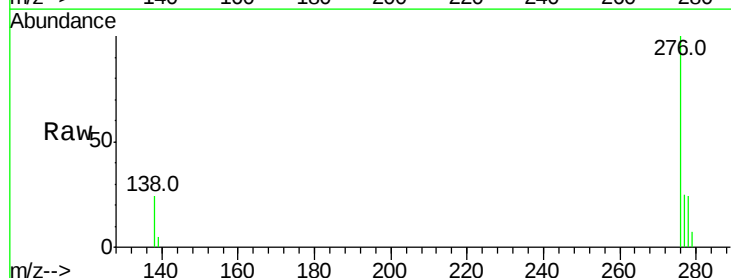
Tgt Ion:278 Resp: 10080

Ion Ratio Lower Upper

278 100

139 22.4 17.4 26.0

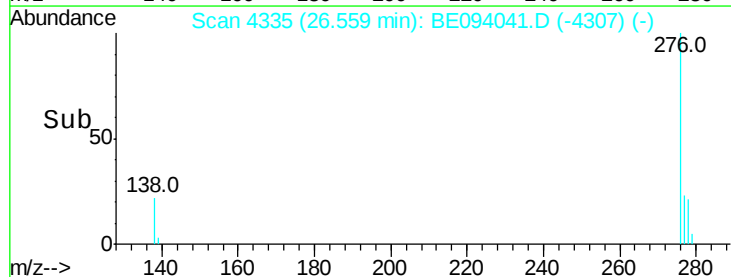
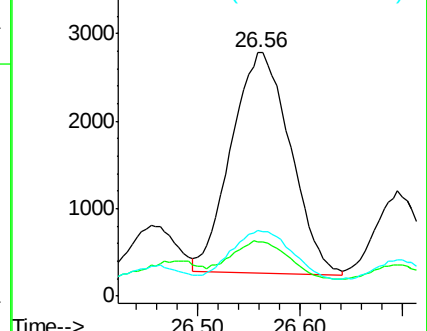
279 27.2 25.9 38.9

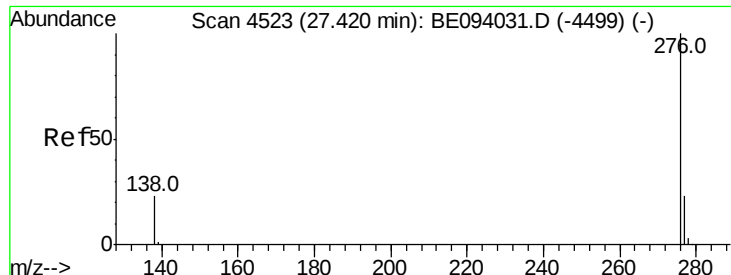


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.982 ng/ul

RT: 27.38 min Scan# 4515

Delta R.T. -0.04 min

Lab File: BE094041.D

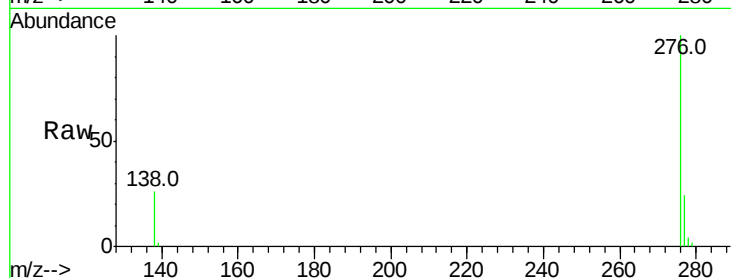
Acq: 20 Sep 2017 20:47

Instrument :

BNA_E

ClientSampleId :

CB3B0



Tot Ion:276 Resp: 36699

Ion Ratio Lower Upper

276 100

138 26.0 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

