

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094043.D
 Acq On : 20 Sep 2017 22:01
 Operator : SJ/JU
 Sample : I5283-09 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3B4

Quant Time: Sep 21 06:28:58 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

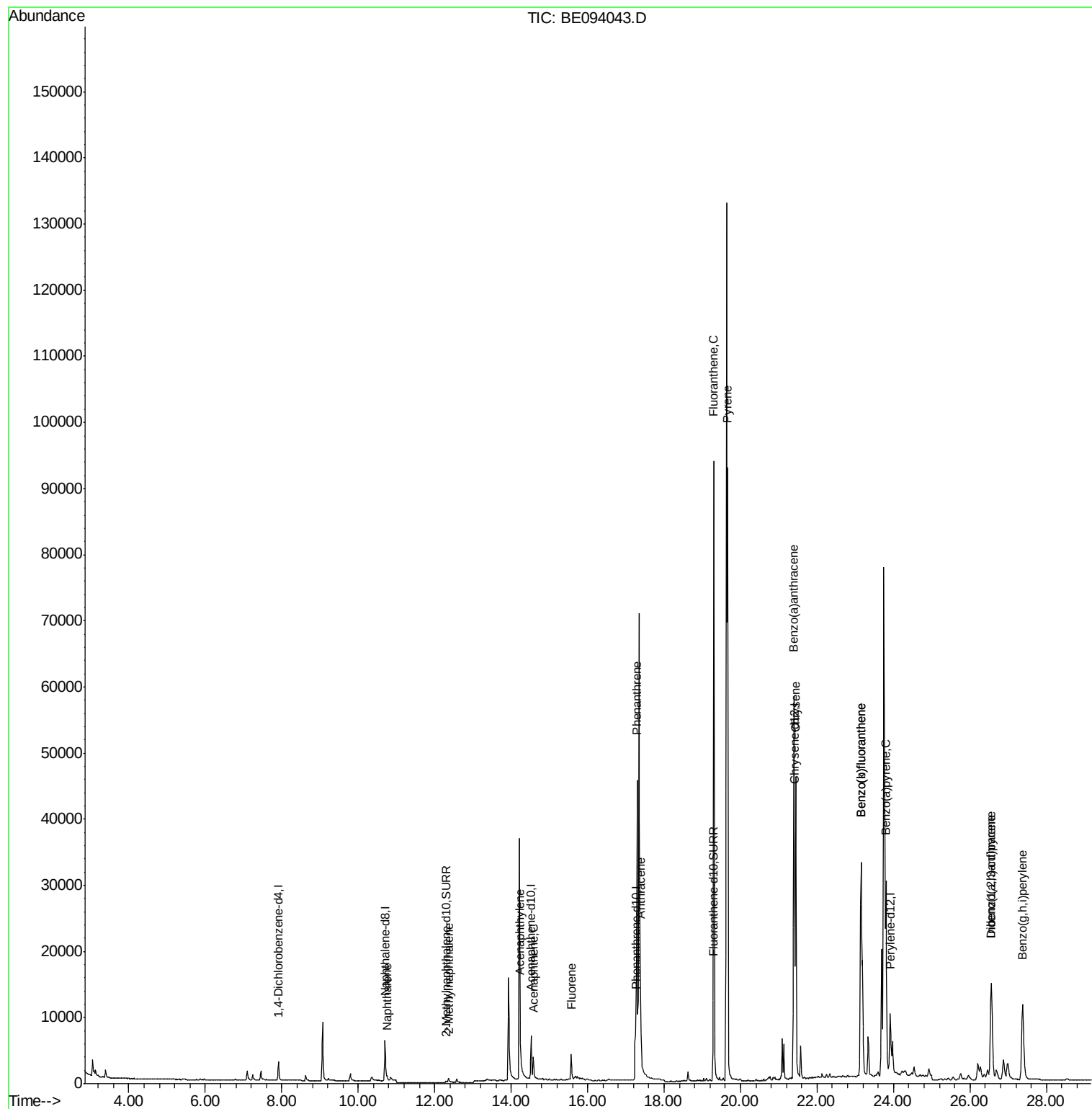
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1521	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7234	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4533	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	12045	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	15546	0.40	ng/ul	-0.02
20) Perylene-d12	23.91	264	15612	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	359	0.03	ng/ul	-0.03
14) Fluoranthene-d10	19.27	212	1465	0.04	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	1220	0.069	ng/ul#	90
5) 2-Methylnaphthalene	12.36	142	769	0.067	ng/ul	97
7) Acenaphthylene	14.24	152	638	0.036	ng/ul#	75
8) Acenaphthene	14.58	153	2227	0.153	ng/ul	98
9) Fluorene	15.57	166	2911	0.171	ng/ul	94
12) Phenanthrene	17.29	178	56943	1.809	ng/ul#	91
13) Anthracene	17.38	178	15428	0.504	ng/ul#	92
15) Fluoranthene	19.30	202	110637	2.675	ng/ul	84
17) Pyrene	19.66	202	101567	2.348	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	54031	1.310	ng/ul#	87
19) Chrysene	21.44	228	51035	1.072	ng/ul	97
21) Benzo(b)fluoranthene	23.15	252	86843	2.048	ng/ul	85
22) Benzo(k)fluoranthene	23.15	252	86843	1.772	ng/ul#	86
23) Benzo(a)pyrene	23.80	252	43447	0.986	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.56	276	29884	0.663	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.57	278	6908	0.183	ng/ul	92
26) Benzo(a,h,i)perylene	27.38	276	28816	0.741	ng/ul	98

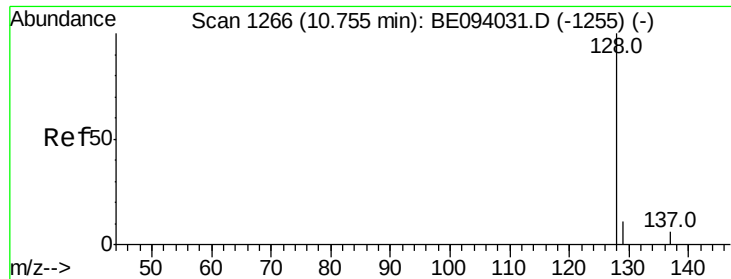
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.069 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

Instrument :

BNA_E

ClientSampleId :

CB3B4

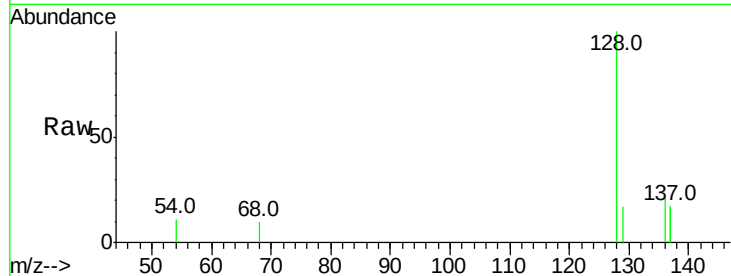
Tot Ion:128 Resp: 1220

Ion Ratio Lower Upper

128 100

129 17.2 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

10.75

800

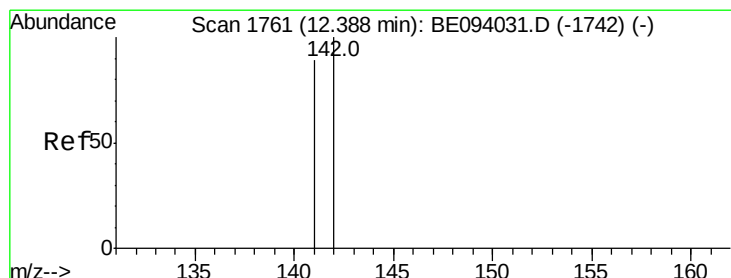
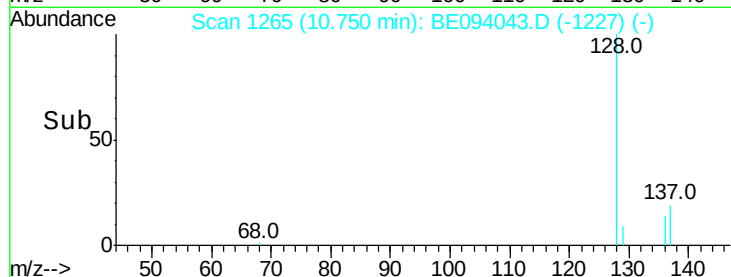
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.067 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. -0.03 min

Lab File: BE094043.D

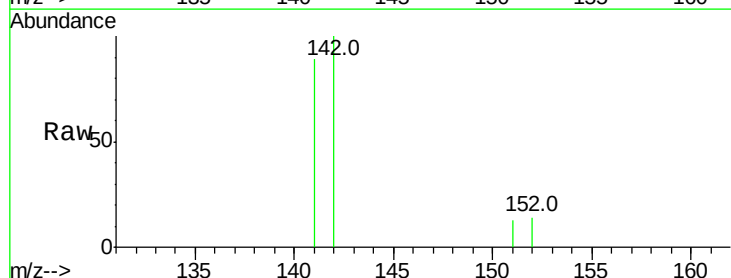
Acq: 20 Sep 2017 22:01

Tgt Ion:142 Resp: 769

Ion Ratio Lower Upper

142 100

141 93.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.36

400

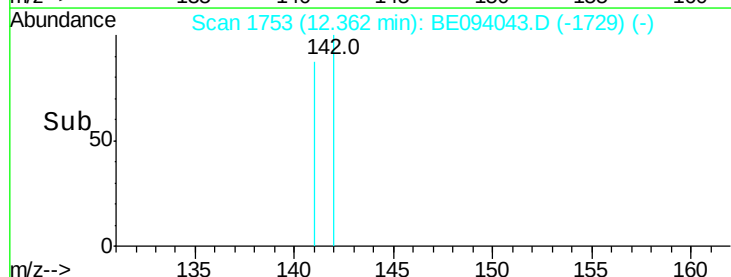
300

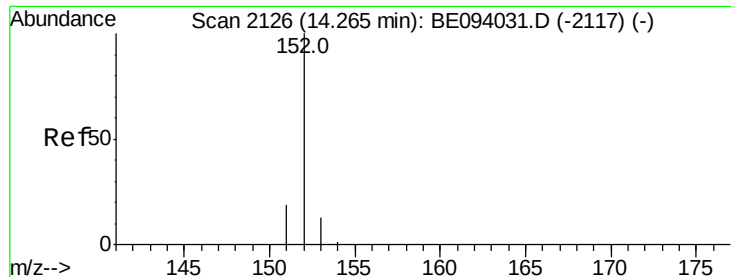
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.036 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

Instrument :

BNA_E

ClientSampleId :

CB3B4

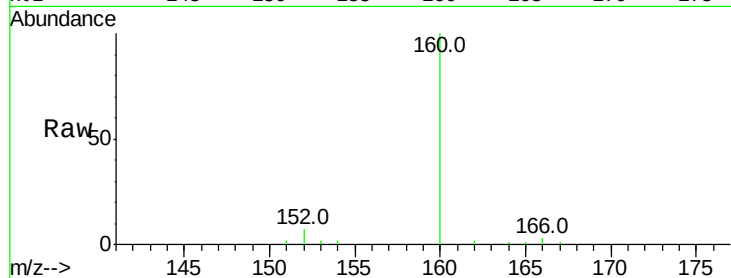
Tot Ion:152 Resp: 638

Ion Ratio Lower Upper

152 100

151 32.2 17.1 25.7#

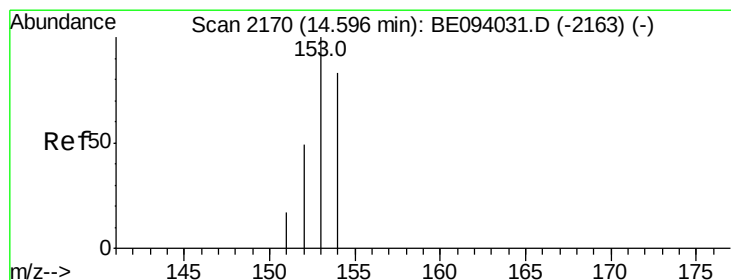
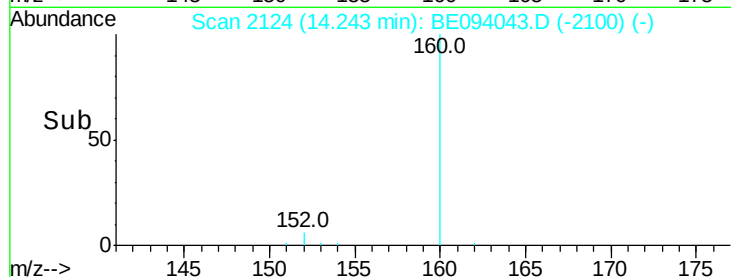
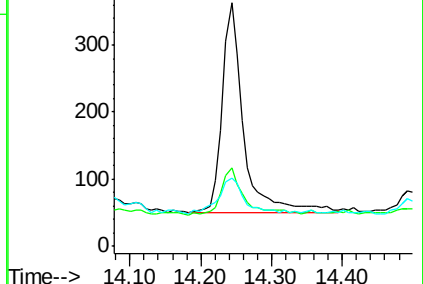
153 27.8 12.8 19.2#



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: 0.153 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

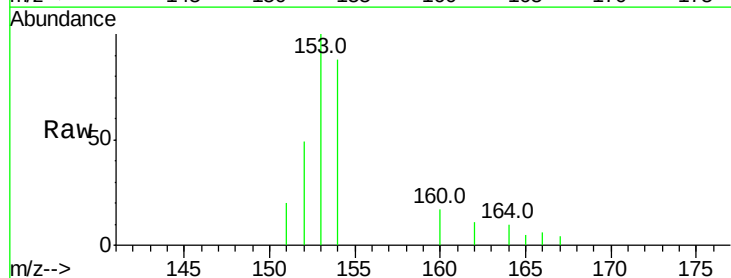
Tgt Ion:153 Resp: 2227

Ion Ratio Lower Upper

153 100

152 48.5 40.3 60.5

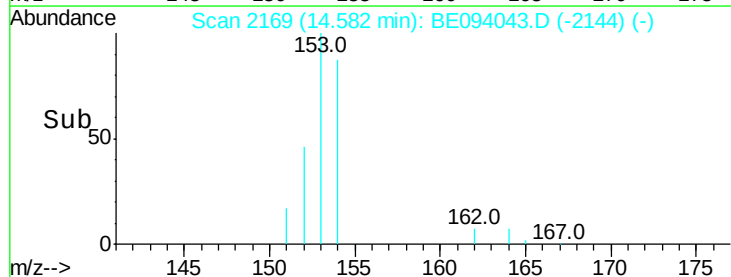
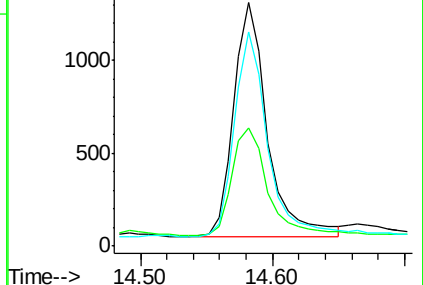
154 87.8 71.4 107.2

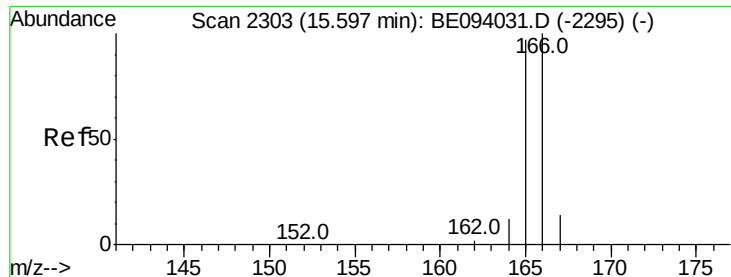


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.171 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.03 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

Instrument :

BNA_E

ClientSampleId :

CB3B4

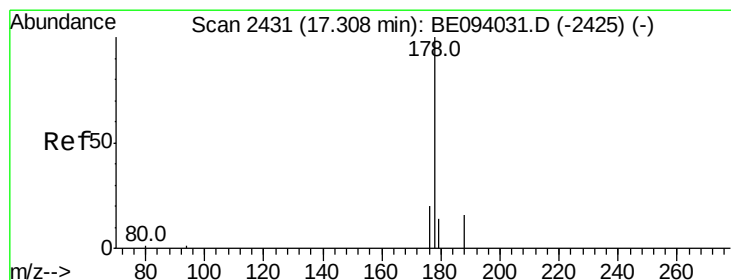
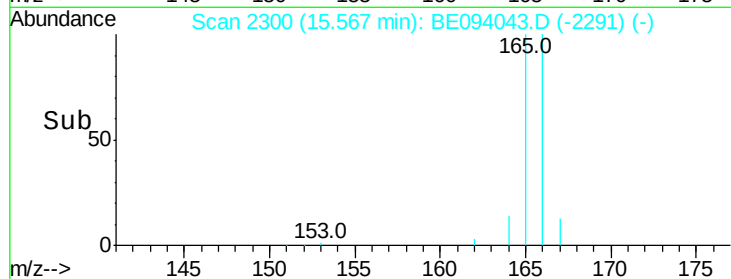
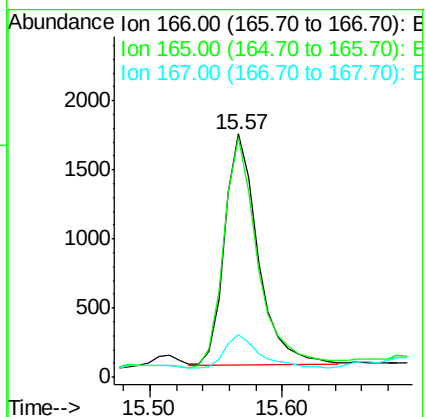
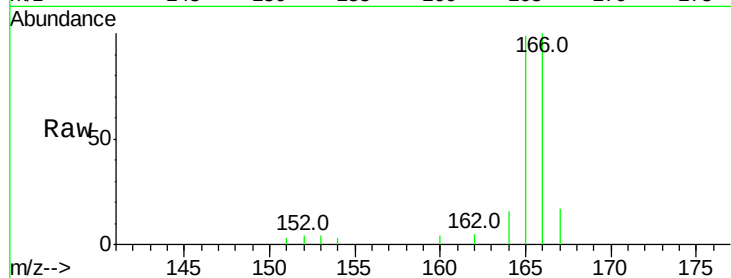
Tot Ion:166 Resp: 2911

Ion Ratio Lower Upper

166 100

165 98.5 73.4 110.2

167 17.4 14.6 22.0



#12

Phenanthrene

Concen: 1.809 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

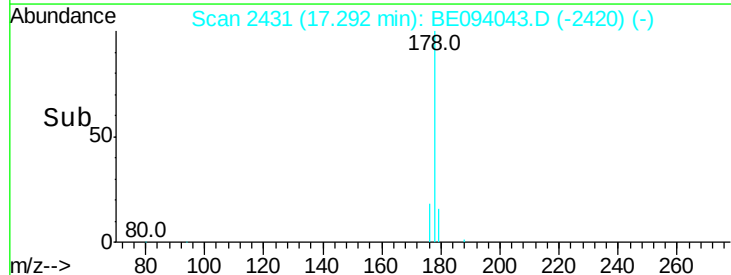
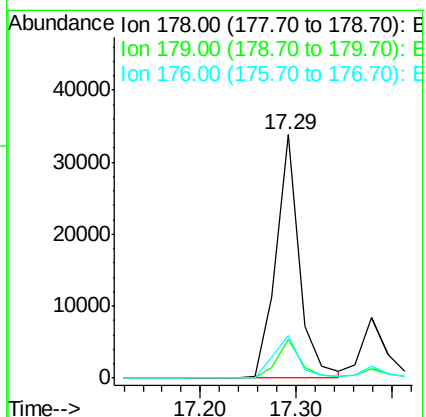
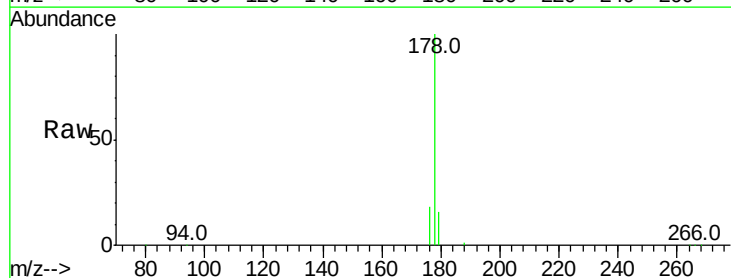
Tgt Ion:178 Resp: 56943

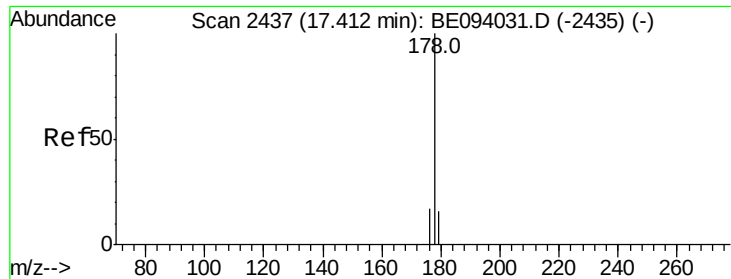
Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

176 17.8 13.6 20.4





#13

Anthracene

Concen: 0.504 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

Instrument :

BNA_E

ClientSampleId :

CB3B4

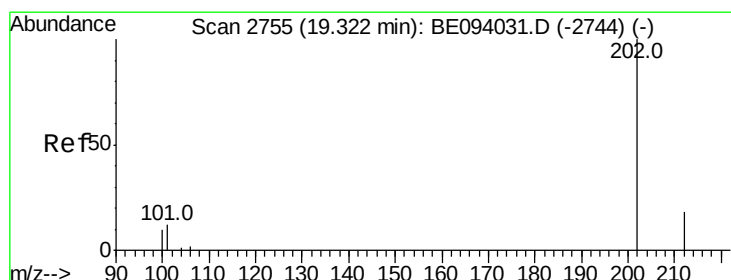
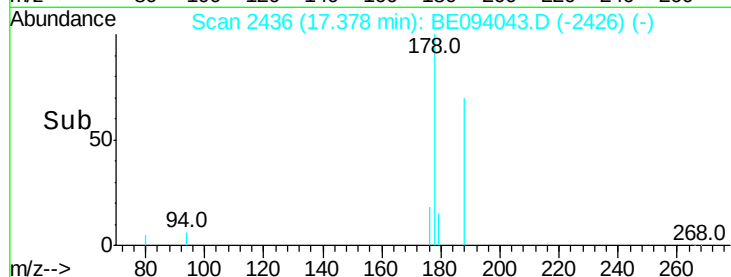
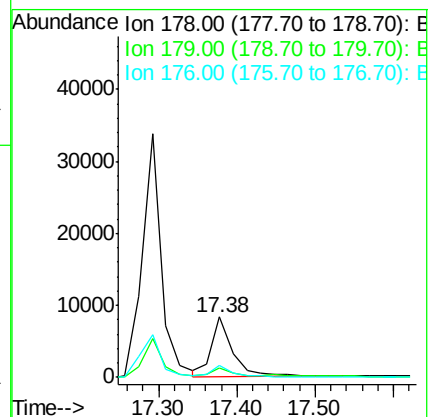
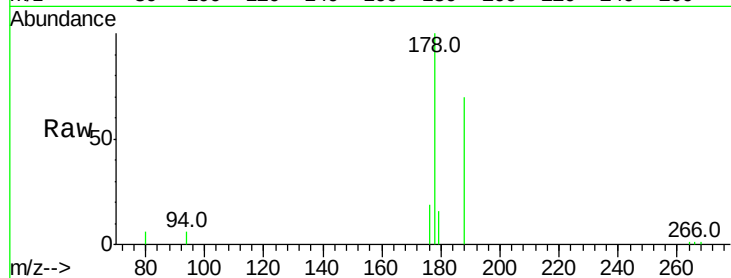
Tot Ion:178 Resp: 15428

Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

176 18.9 14.7 22.1



#15

Fluoranthene

Concen: 2.675 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

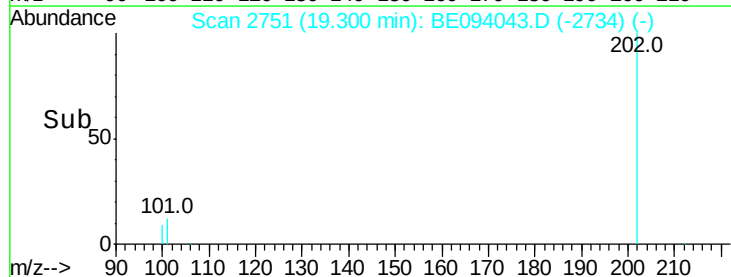
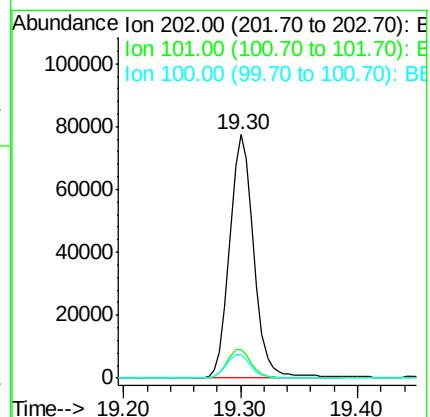
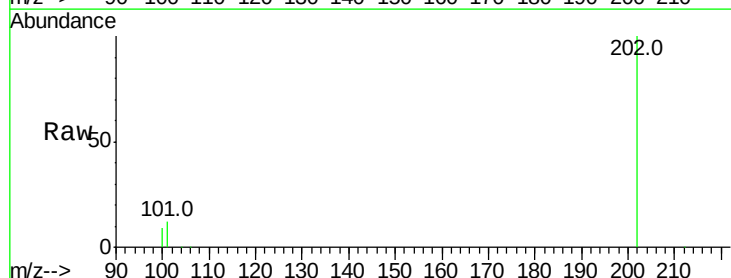
Tgt Ion:202 Resp: 110637

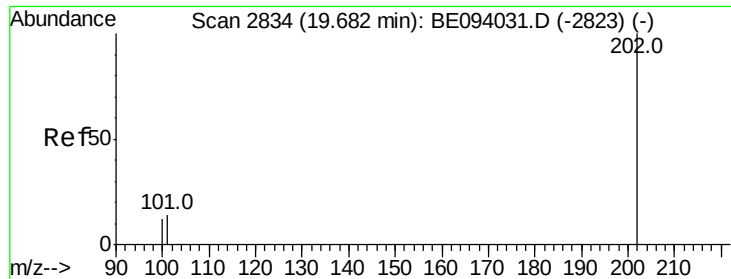
Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.3

100 9.4 0.0 39.5





#17

Pvrene

Concen: 2.348 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

Instrument :

BNA_E

ClientSampleId :

CB3B4

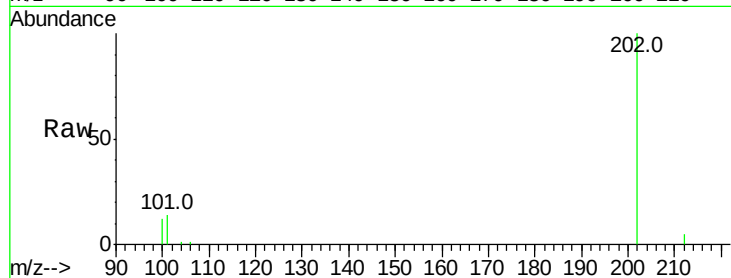
Tot Ion:202 Resp: 101567

Ion Ratio Lower Upper

202 100

101 14.1 18.2 27.4#

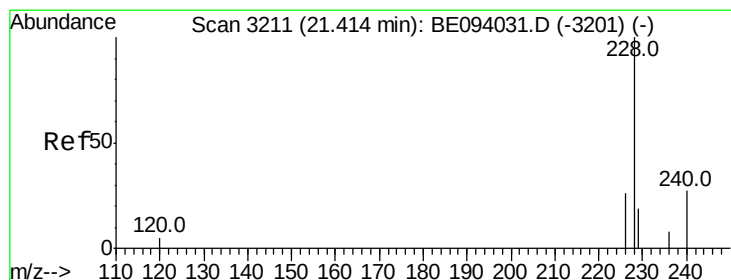
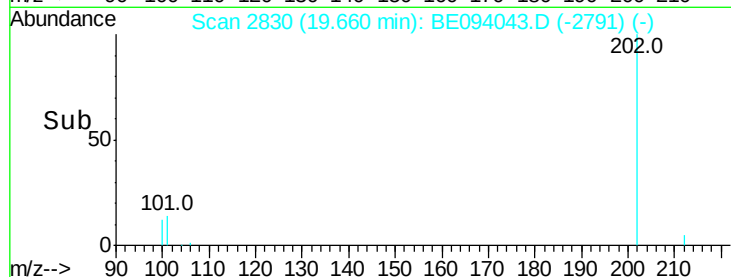
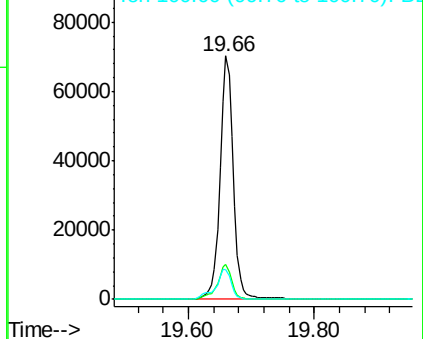
100 12.3 15.6 23.4#



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: 1.310 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

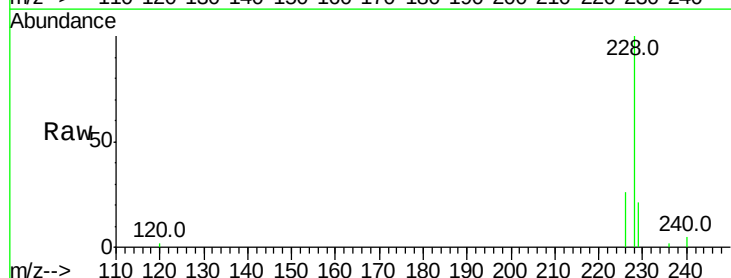
Tgt Ion:228 Resp: 54031

Ion Ratio Lower Upper

228 100

229 20.6 22.8 34.2#

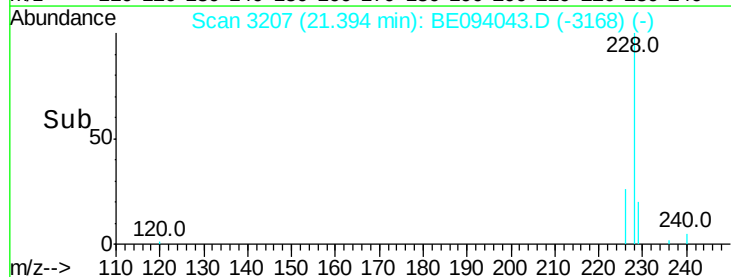
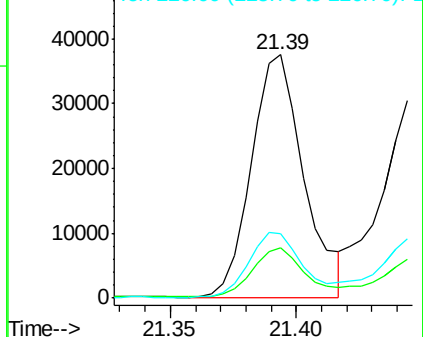
226 26.4 17.0 25.6#

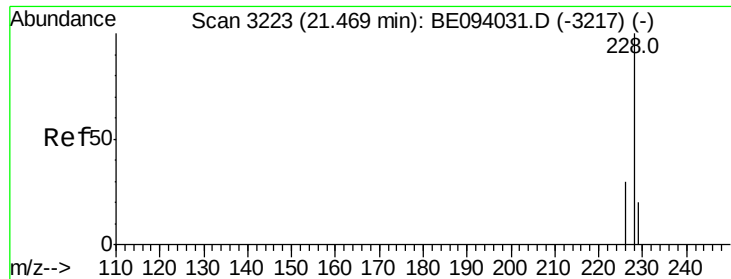


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.072 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.02 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

Instrument :

BNA_E

ClientSampleId :

CB3B4

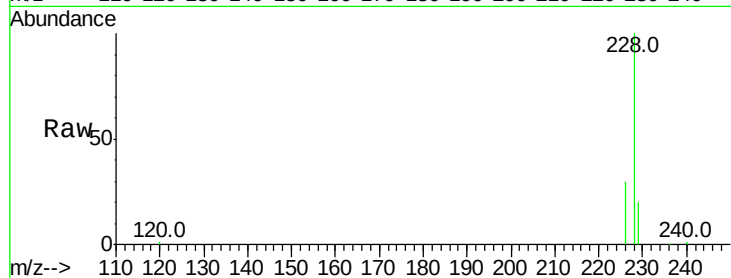
Tot Ion:228 Resp: 51035

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

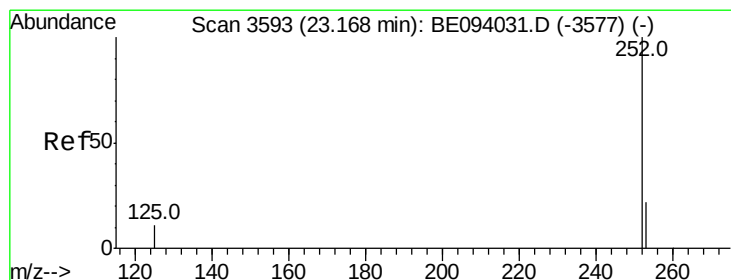
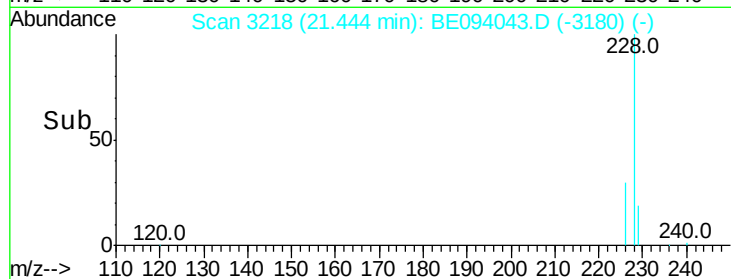
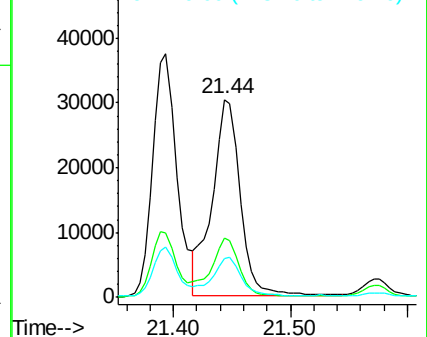
229 19.8 17.7 26.5



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: 2.048 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.02 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

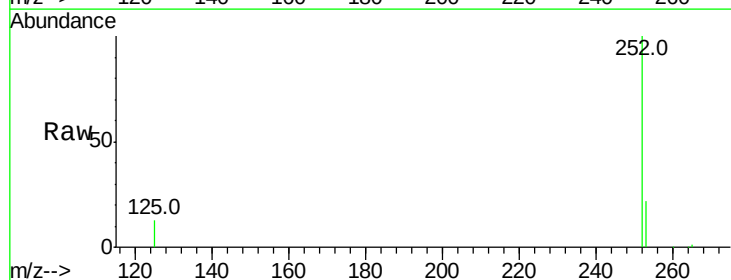
Tgt Ion:252 Resp: 86843

Ion Ratio Lower Upper

252 100

253 22.3 0.0 64.2

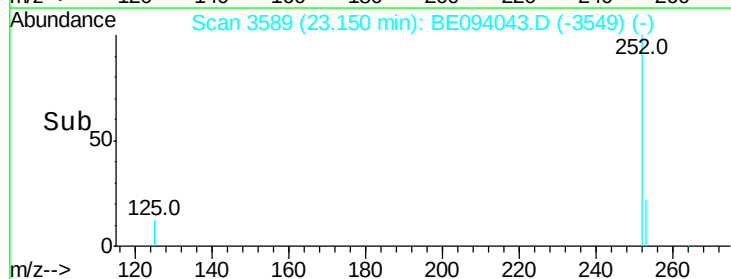
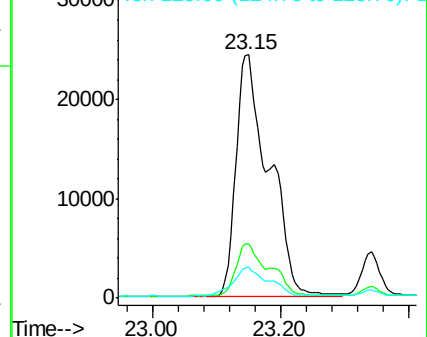
125 12.5 0.0 35.0

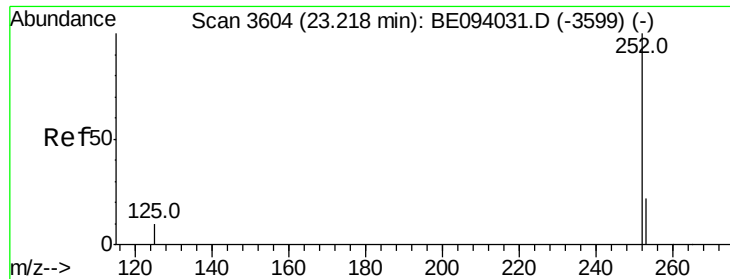


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.772 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.07 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

Instrument :

BNA_E

ClientSampleId :

CB3B4

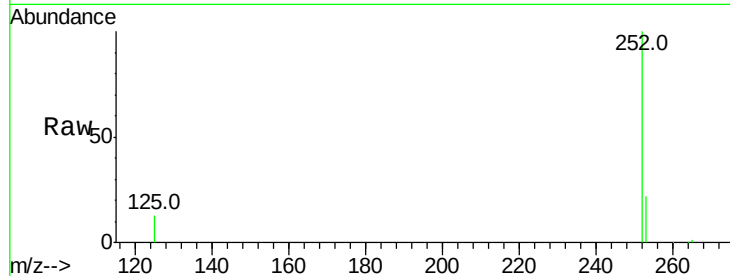
Tot Ion:252 Resp: 86843

Ion Ratio Lower Upper

252 100

253 22.3 24.5 36.7#

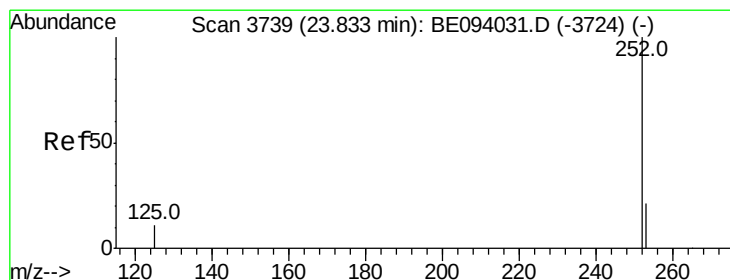
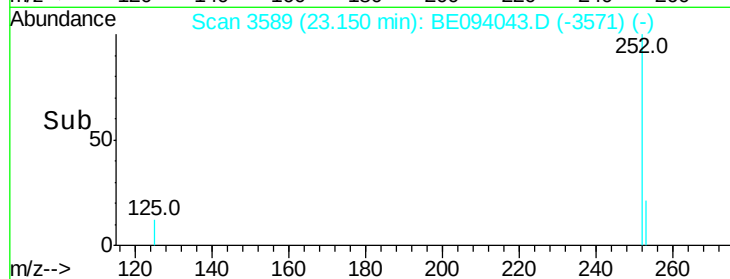
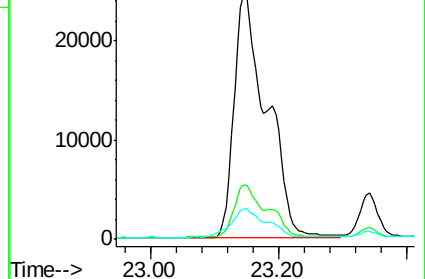
125 12.5 13.7 20.5#



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: 0.986 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. -0.03 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

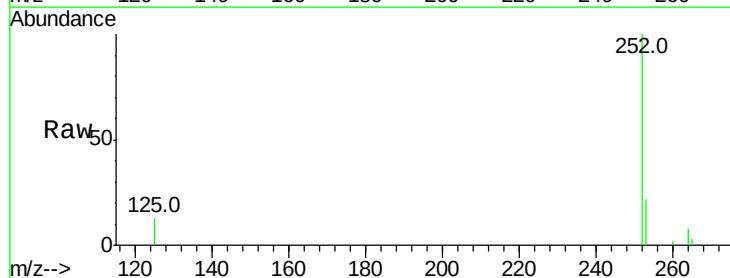
Tgt Ion:252 Resp: 43447

Ion Ratio Lower Upper

252 100

253 22.5 28.5 42.7#

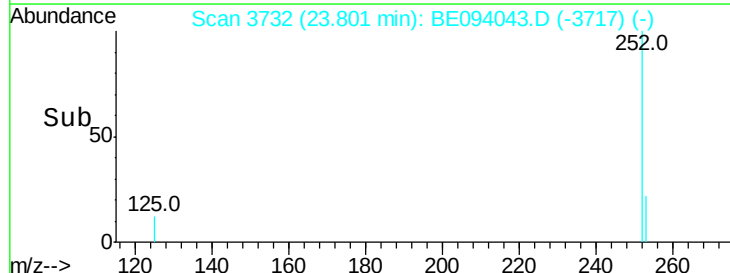
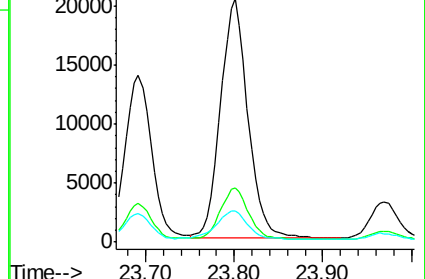
125 13.0 18.1 27.1#

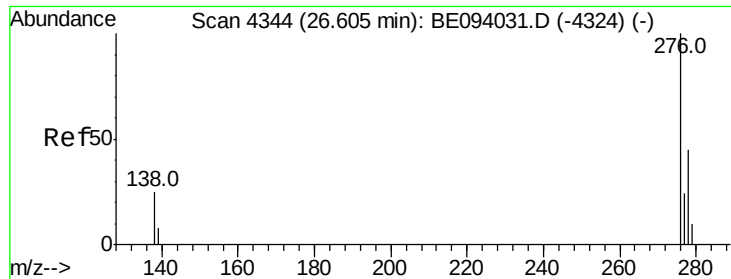


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.663 ng/ul

RT: 26.56 min Scan# 4334

Delta R.T. -0.04 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

Instrument :

BNA_E

ClientSampleId :

CB3B4

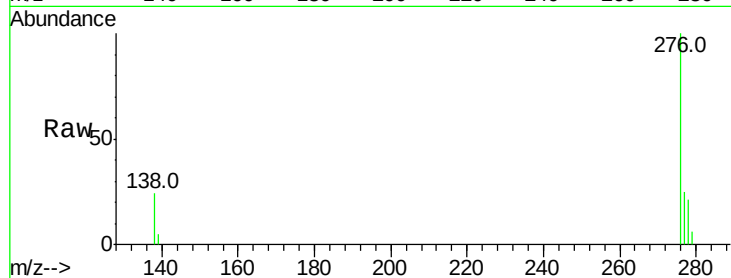
Tot Ion:276 Resp: 29884

Ion Ratio Lower Upper

276 100

138 23.0 28.0 42.0#

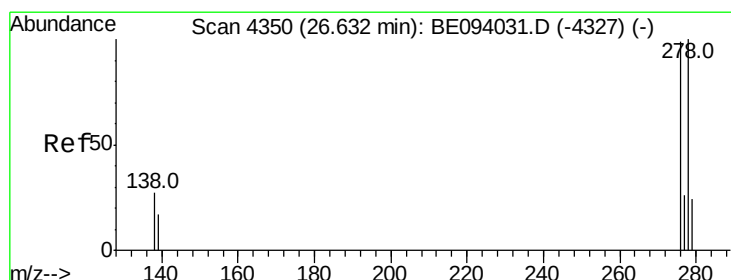
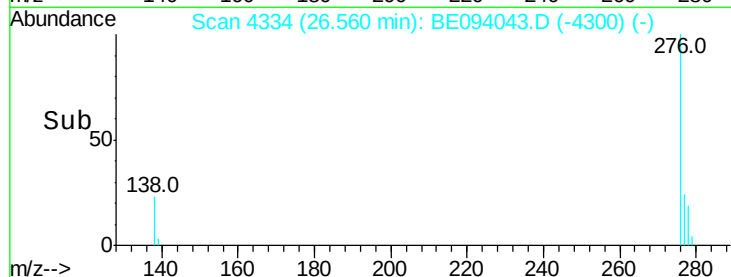
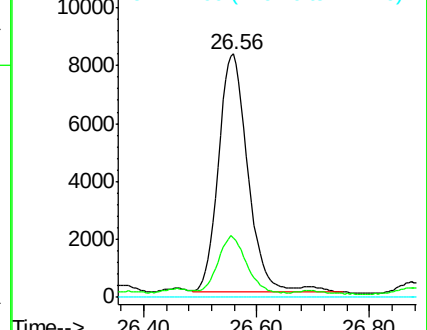
227 0.0 8.0 12.0#



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: 0.183 ng/ul

RT: 26.57 min Scan# 4336

Delta R.T. -0.06 min

Lab File: BE094043.D

Acq: 20 Sep 2017 22:01

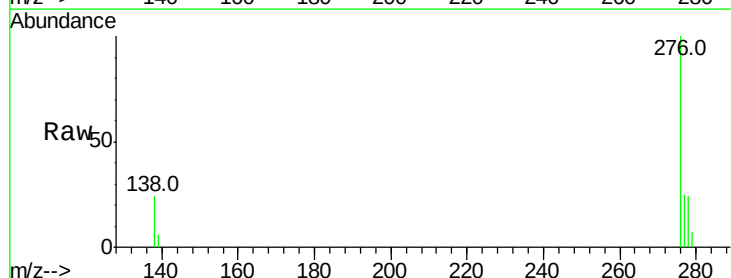
Tgt Ion:278 Resp: 6908

Ion Ratio Lower Upper

278 100

139 24.6 17.4 26.0

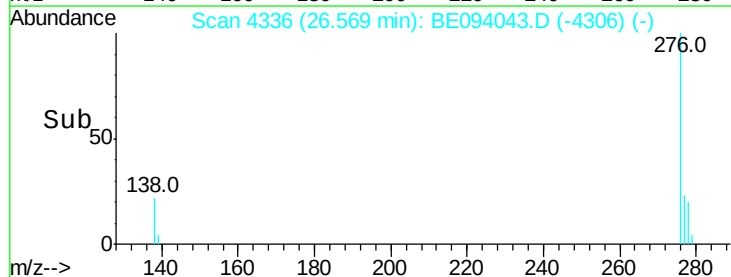
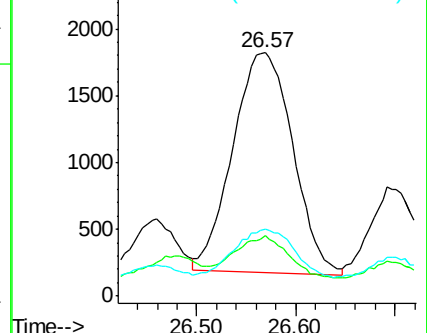
279 27.5 25.9 38.9

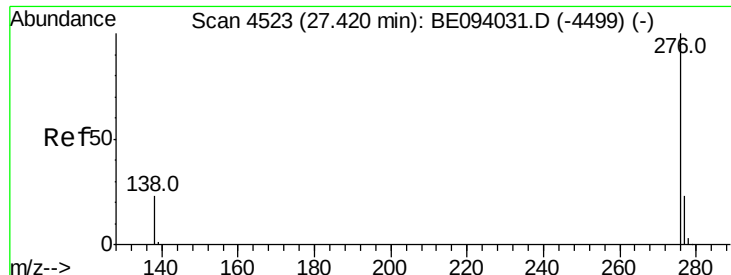


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.741 ng/ul

RT: 27.38 min Scan# 4514

Delta R.T. -0.04 min

Lab File: BE094043.D

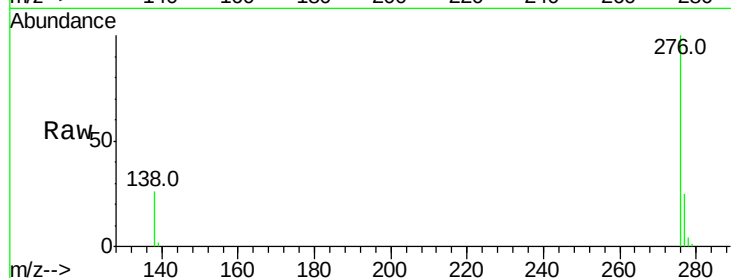
Acq: 20 Sep 2017 22:01

Instrument :

BNA_E

ClientSampleId :

CB3B4



Tot Ion:276 Resp: 28816

Ion Ratio Lower Upper

276 100

138 25.6 21.8 32.8

277 25.0 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

