

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094038.D
 Acq On : 20 Sep 2017 18:56
 Operator : SJ/JU
 Sample : I5283-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3A8

Quant Time: Sep 21 06:28:10 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

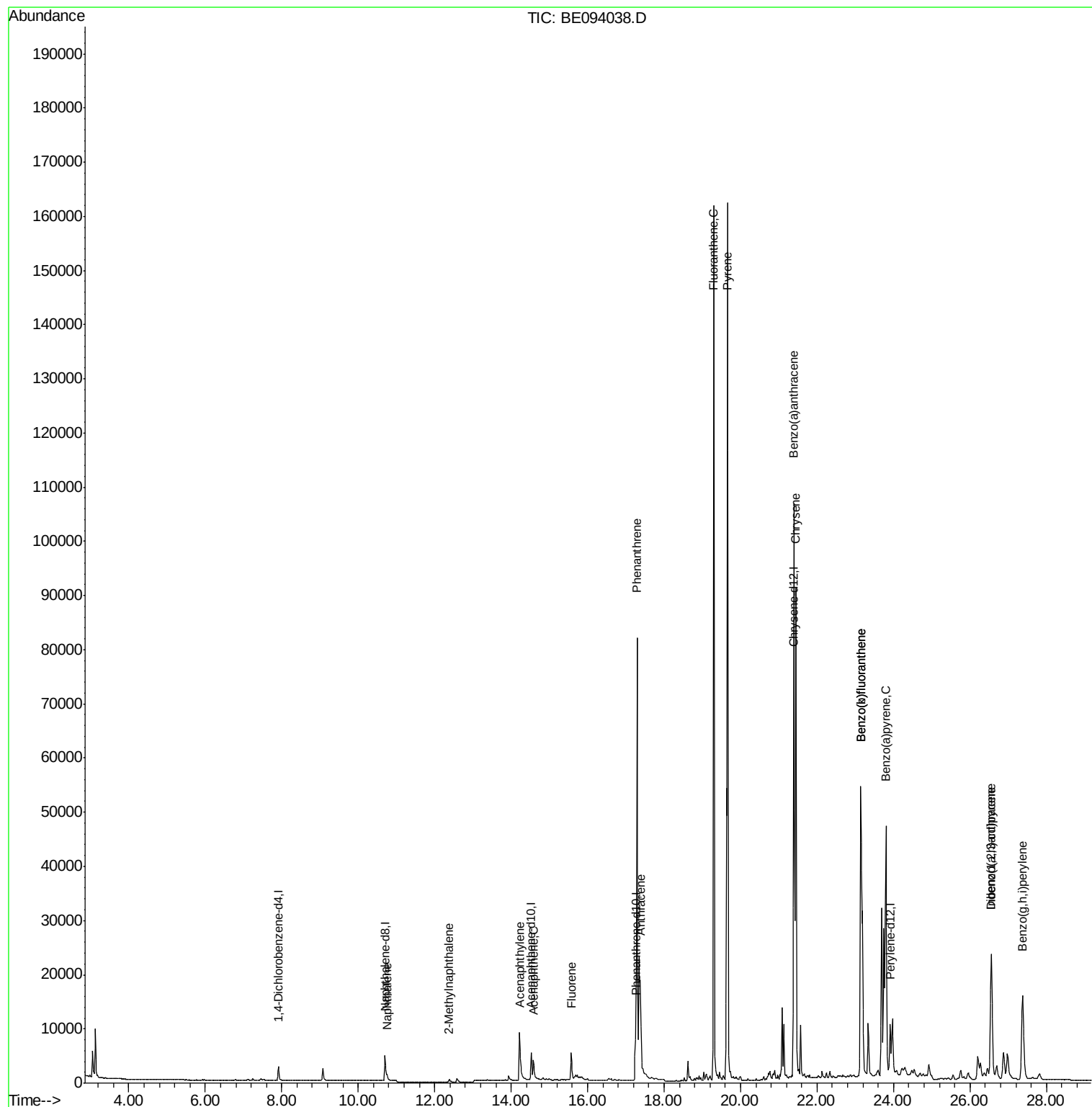
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1449	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6792	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4130	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	11748	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	15467	0.40	ng/ul	-0.02
20) Perylene-d12	23.91	264	14343	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.44	152	5	0.00	ng/ul	0.13
14) Fluoranthene-d10	19.27	212	540	0.01	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	1680	0.101	ng/ul#	89
5) 2-Methylnaphthalene	12.38	142	879	0.081	ng/ul	99
7) Acenaphthylene	14.24	152	2541	0.158	ng/ul	96
8) Acenaphthene	14.59	153	2839	0.214	ng/ul	99
9) Fluorene	15.57	166	4416	0.284	ng/ul	95
12) Phenanthrene	17.29	178	102832	3.350	ng/ul#	90
13) Anthracene	17.38	178	24246	0.812	ng/ul#	90
15) Fluoranthene	19.30	202	192372	4.769	ng/ul	84
17) Pyrene	19.66	202	189567	4.405	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	98874	2.410	ng/ul#	87
19) Chrysene	21.45	228	100146	2.113	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	143630	3.686	ng/ul	84
22) Benzo(k)fluoranthene	23.14	252	143630	3.189	ng/ul#	86
23) Benzo(a)pyrene	23.80	252	73807	1.823	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.56	276	43012	1.038	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.56	278	11591	0.334	ng/ul#	92
26) Benzo(a,h,i)perylene	27.37	276	39543	1.107	ng/ul	97

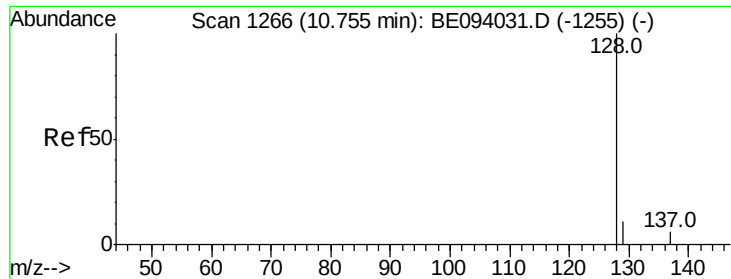
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.101 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

Instrument :

BNA_E

ClientSampleId :

CB3A8

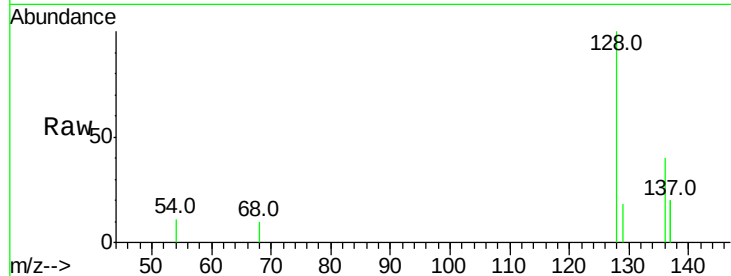
Tot Ion:128 Resp: 1680

Ion Ratio Lower Upper

128 100

129 17.9 11.3 16.9#

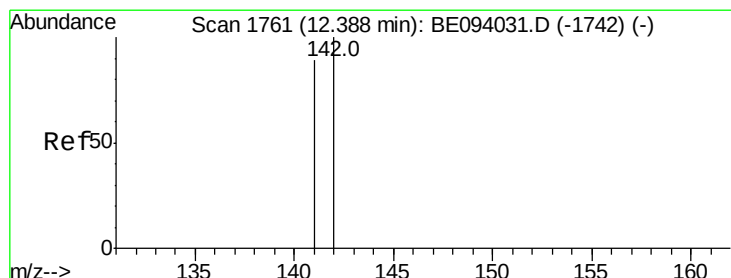
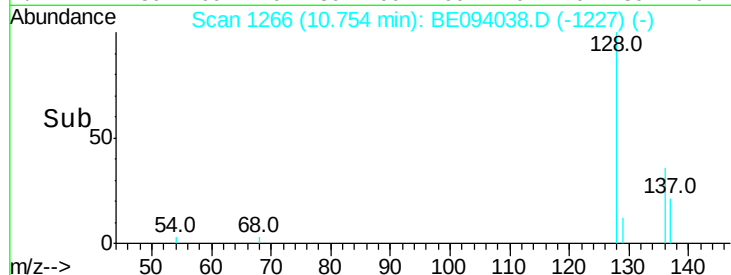
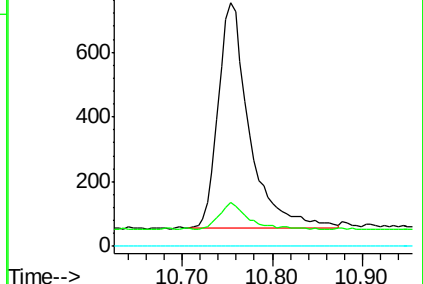
127 0.0 4.0 6.0#



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: 0.081 ng/ul

RT: 12.38 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BE094038.D

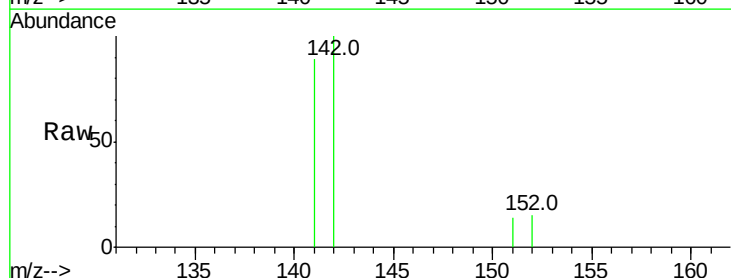
Acq: 20 Sep 2017 18:56

Tgt Ion:142 Resp: 879

Ion Ratio Lower Upper

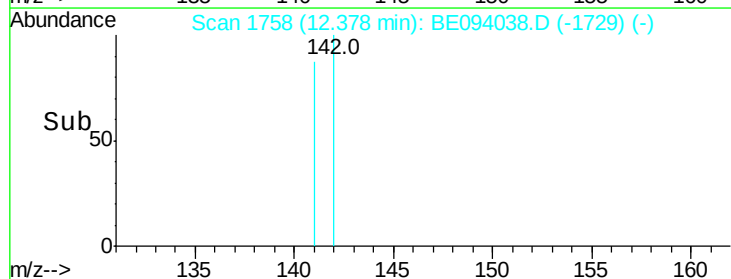
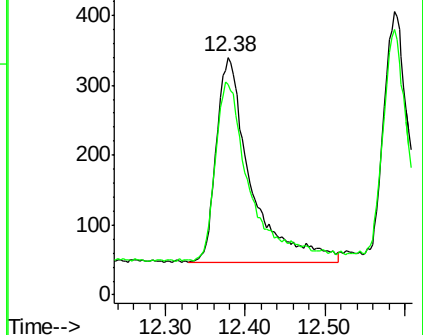
142 100

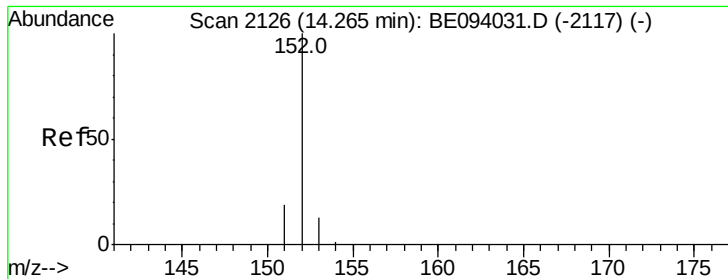
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.158 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

Instrument :

BNA_E

ClientSampleId :

CB3A8

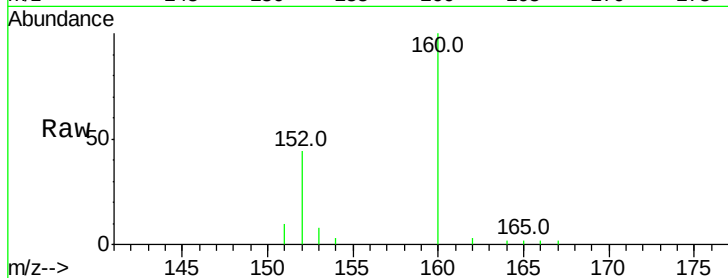
Tot Ion:152 Resp: 2541

Ion Ratio Lower Upper

152 100

151 23.4 17.1 25.7

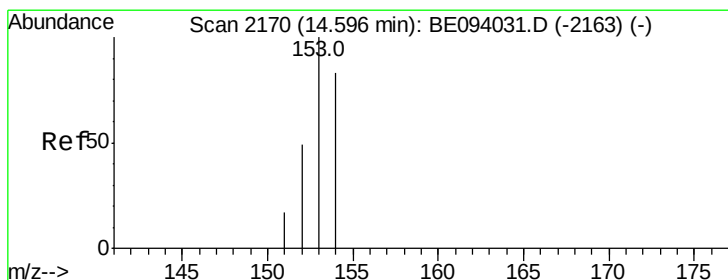
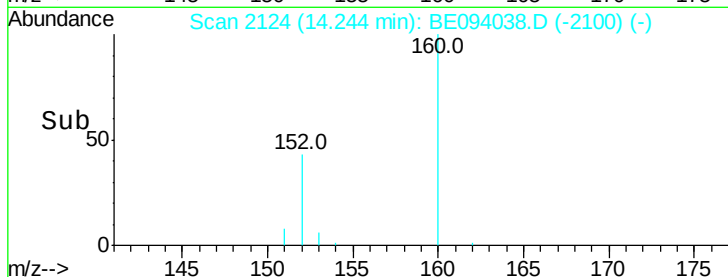
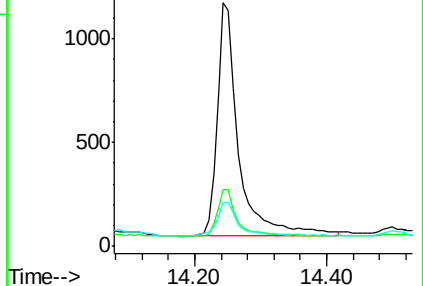
153 18.1 12.8 19.2



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: 0.214 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

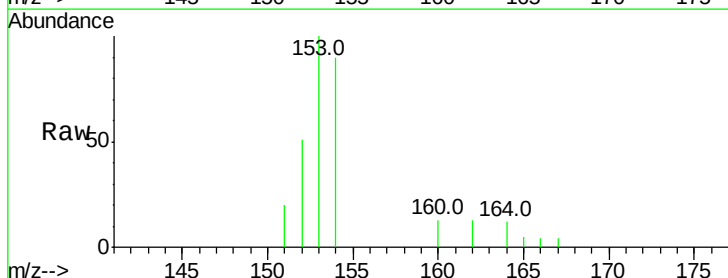
Tgt Ion:153 Resp: 2839

Ion Ratio Lower Upper

153 100

152 50.6 40.3 60.5

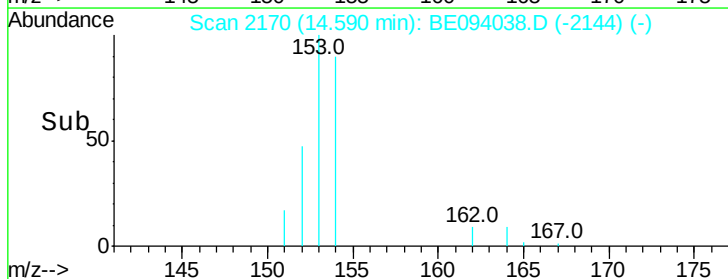
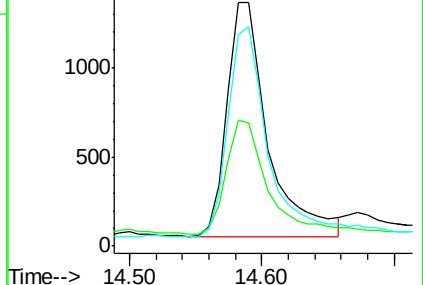
154 90.1 71.4 107.2

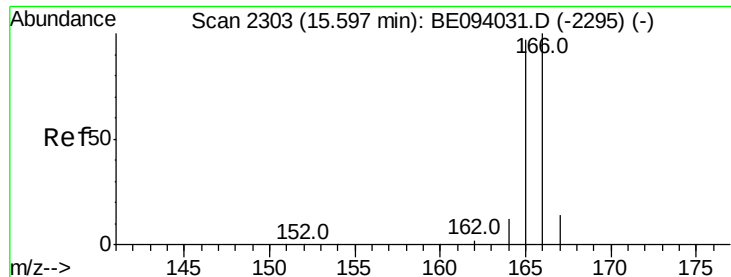


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

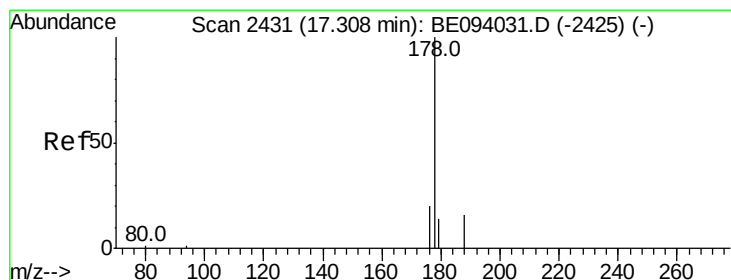
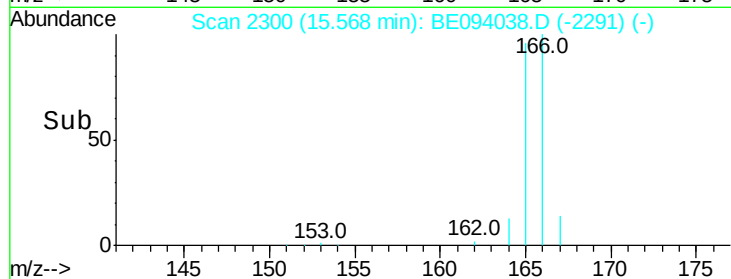
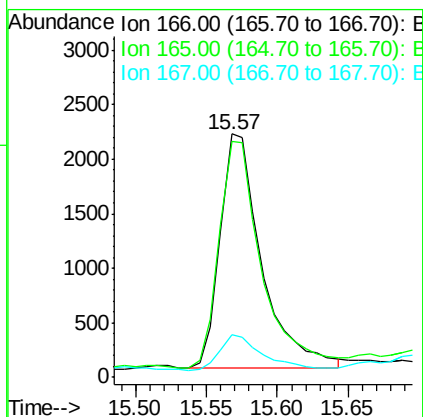
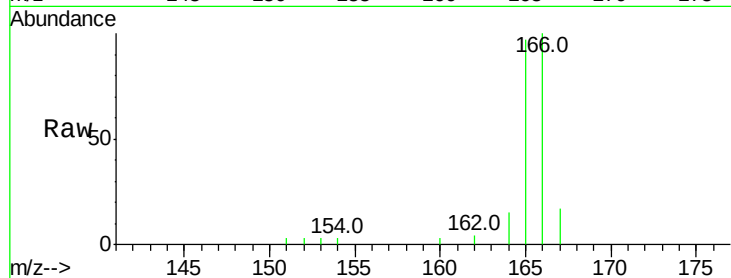




#9
Fluorene
 Concen: 0.284 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.03 min
 Lab File: BE094038.D
 Acq: 20 Sep 2017 18:56

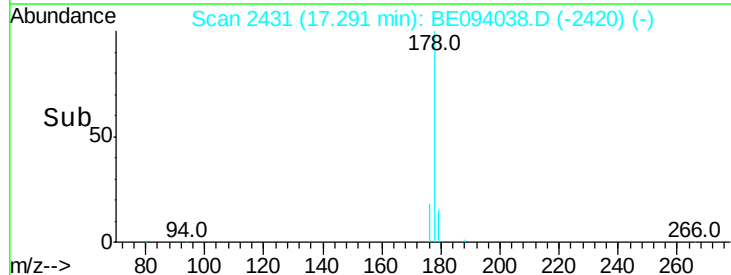
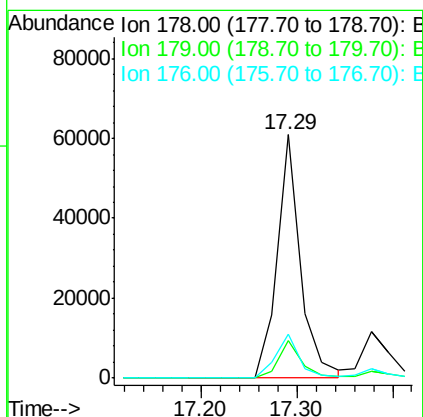
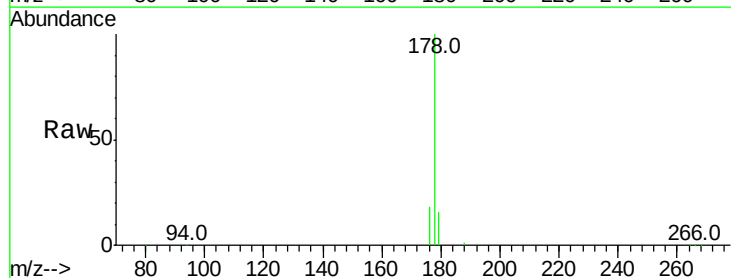
Instrument :
 BNA_E
 ClientSampleId :
 CB3A8

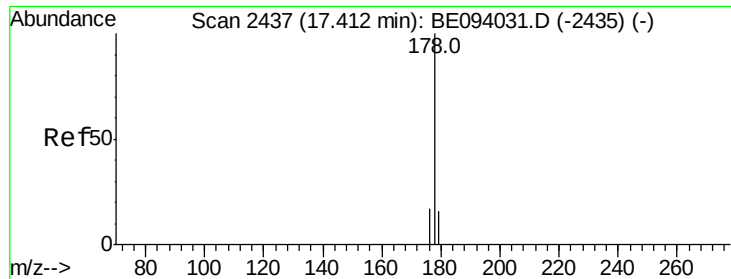
Tot Ion:166 Resp: 4416
 Ion Ratio Lower Upper
 166 100
 165 97.0 73.4 110.2
 167 17.3 14.6 22.0



#12
Phenanthrene
 Concen: 3.350 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094038.D
 Acq: 20 Sep 2017 18:56

Tgt Ion:178 Resp: 102832
 Ion Ratio Lower Upper
 178 100
 179 15.5 18.4 27.6#
 176 18.1 13.6 20.4





#13

Anthracene

Concen: 0.812 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

Instrument :

BNA_E

ClientSampleId :

CB3A8

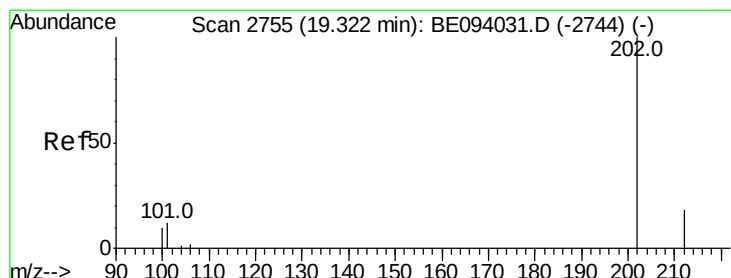
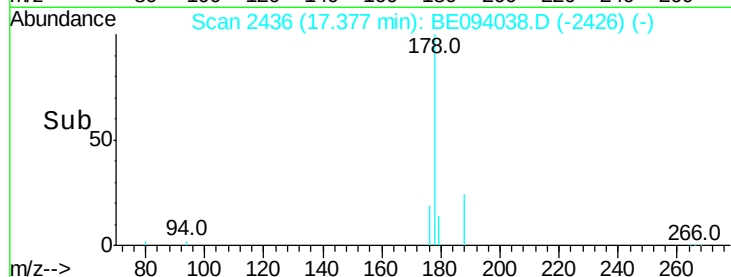
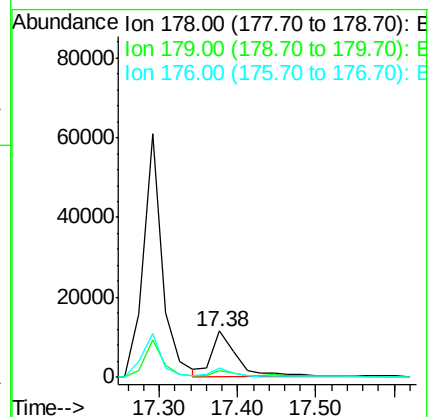
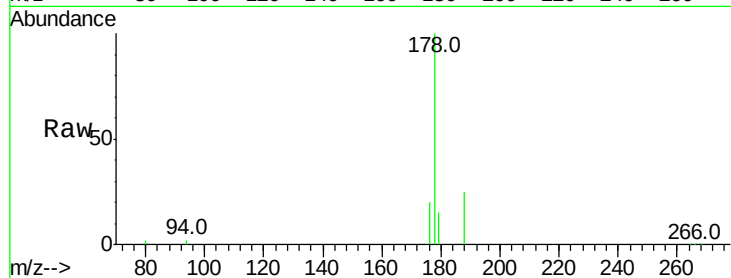
Tot Ion:178 Resp: 24246

Ion Ratio Lower Upper

178 100

179 14.7 18.1 27.1#

176 19.6 14.7 22.1



#15

Fluoranthene

Concen: 4.769 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

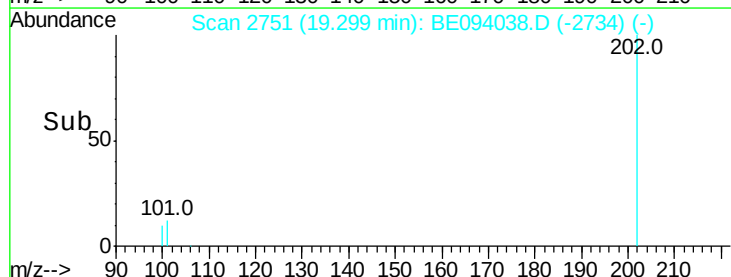
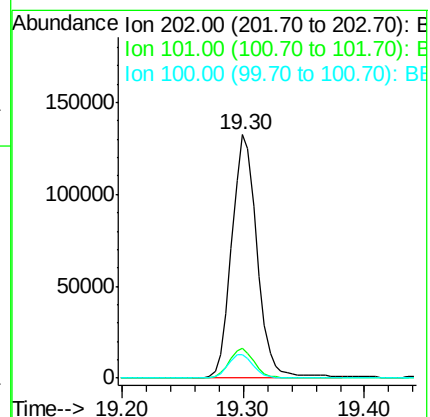
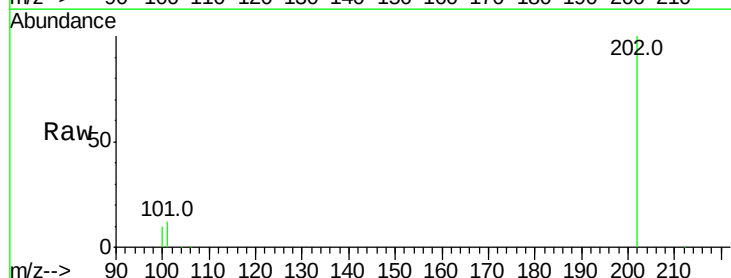
Tgt Ion:202 Resp: 192372

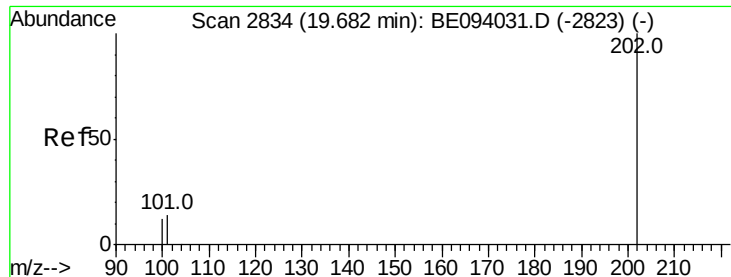
Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.3

100 9.8 0.0 39.5





#17

Pvrene

Concen: 4.405 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

Instrument :

BNA_E

ClientSampleId :

CB3A8

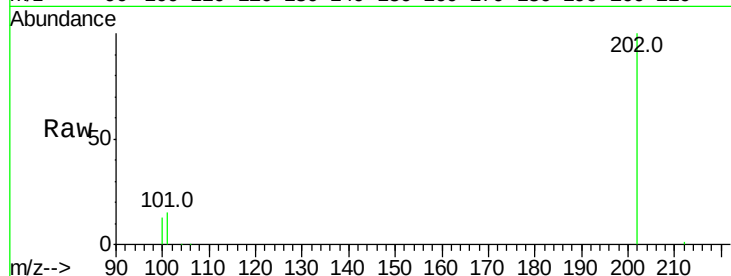
Tot Ion:202 Resp: 189567

Ion Ratio Lower Upper

202 100

101 14.8 18.2 27.4#

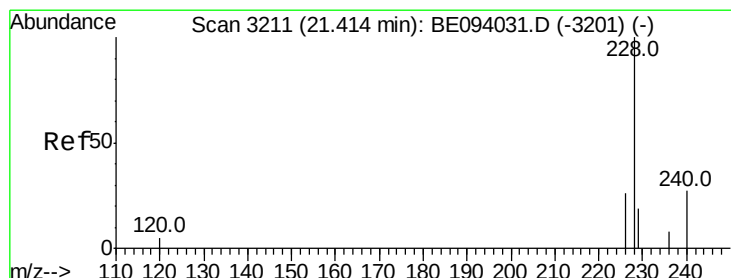
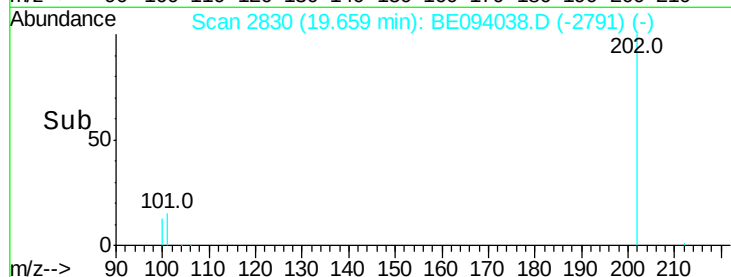
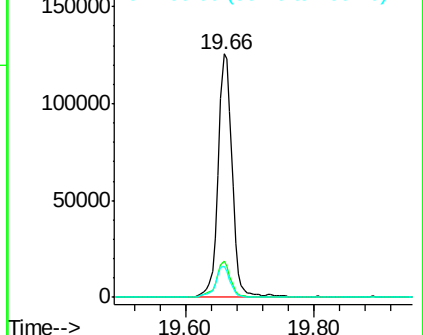
100 13.0 15.6 23.4#



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: 2.410 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

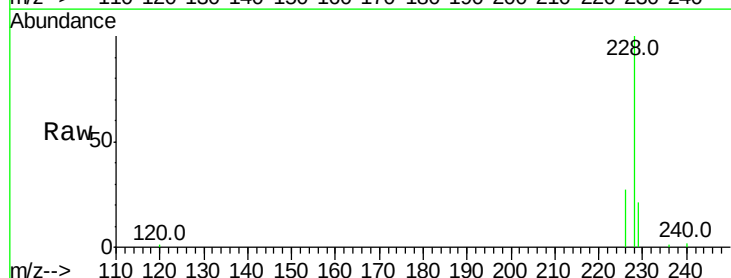
Tgt Ion:228 Resp: 98874

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

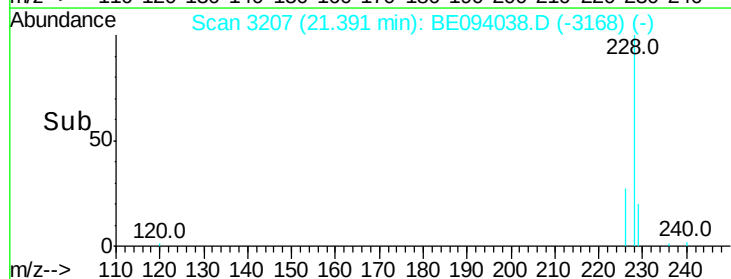
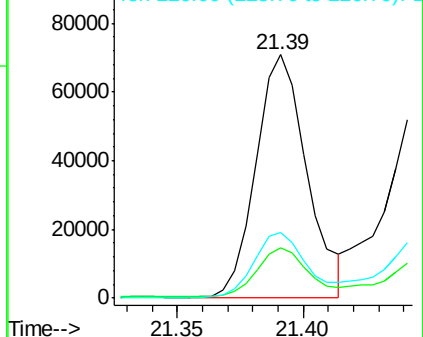
226 26.9 17.0 25.6#

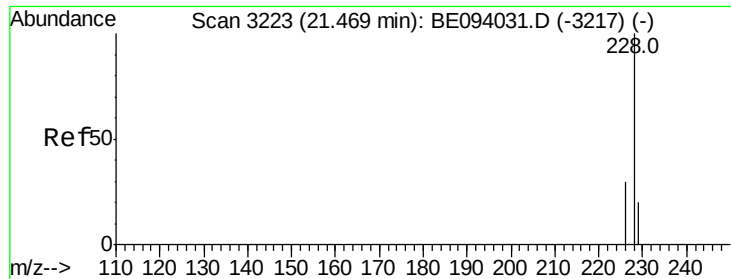


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.113 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

Instrument :

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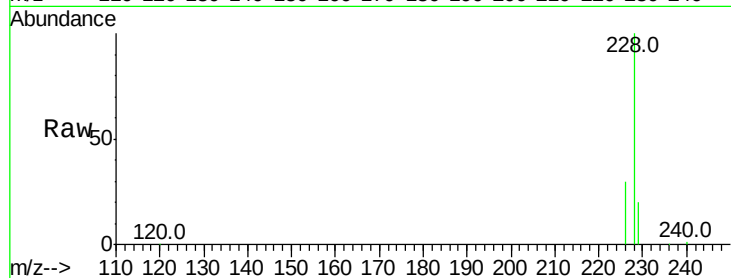
Tot Ion:228 Resp: 100146

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

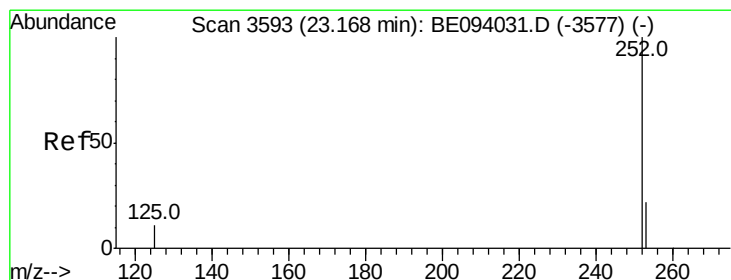
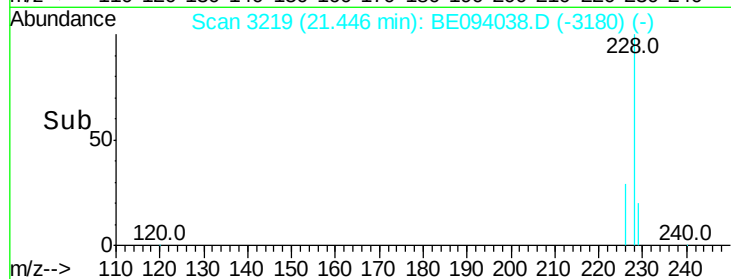
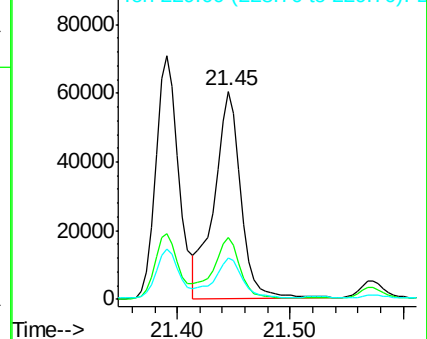
229 20.0 17.7 26.5



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: 3.686 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.02 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

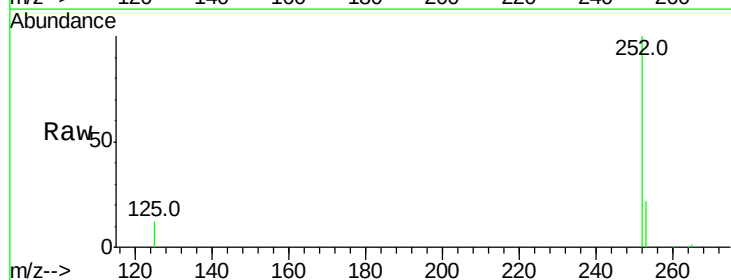
Tgt Ion:252 Resp: 143630

Ion Ratio Lower Upper

252 100

253 22.3 0.0 64.2

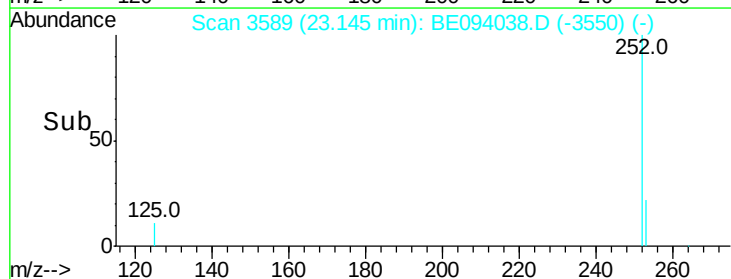
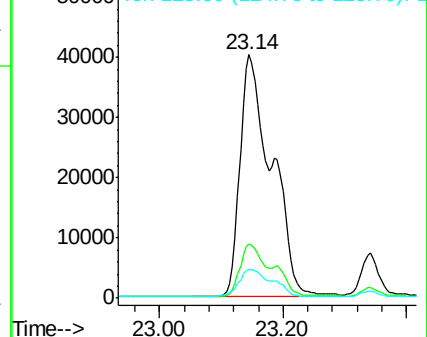
125 12.0 0.0 35.0

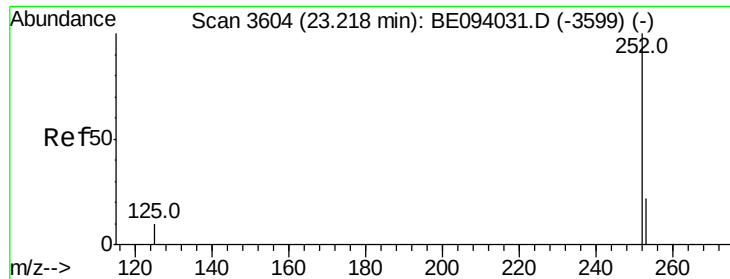


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.189 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.07 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

Instrument :

BNA_E

ClientSampleId :

CB3A8

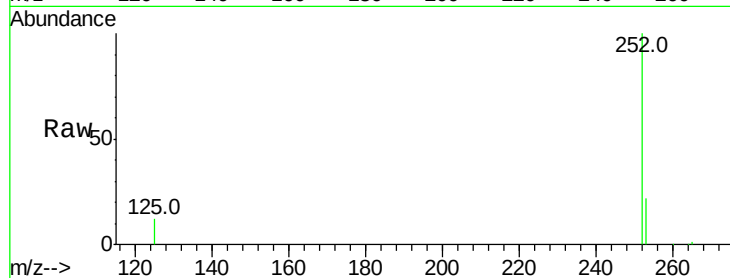
Tot Ion:252 Resp: 143630

Ion Ratio Lower Upper

252 100

253 22.3 24.5 36.7#

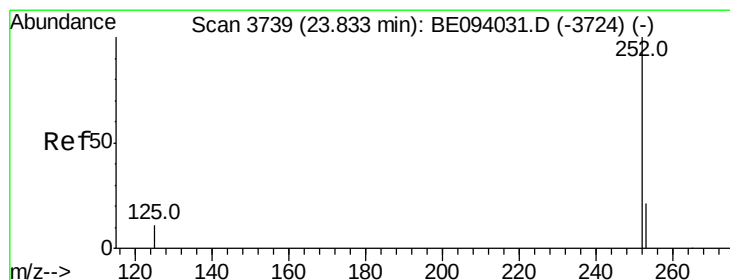
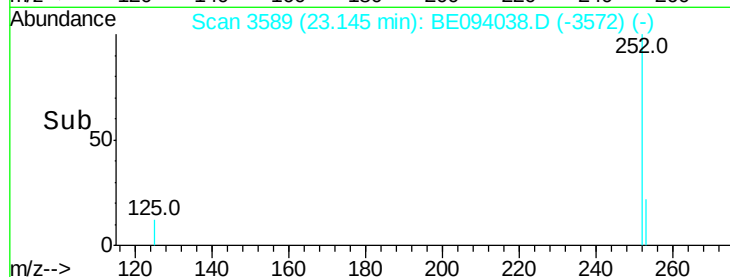
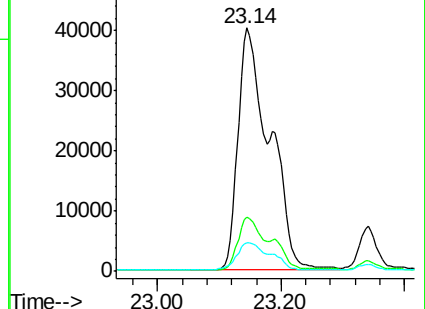
125 12.0 13.7 20.5#



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: 1.823 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.03 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

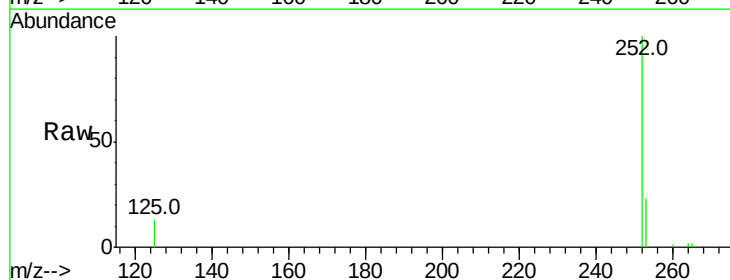
Tgt Ion:252 Resp: 73807

Ion Ratio Lower Upper

252 100

253 22.7 28.5 42.7#

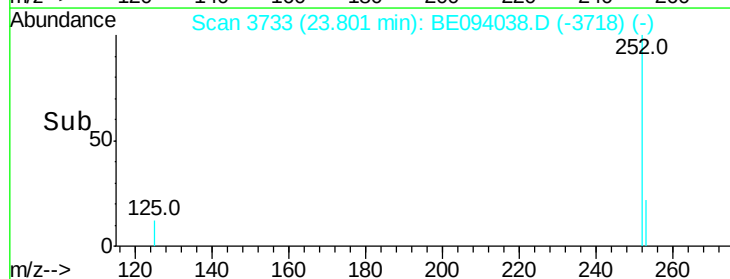
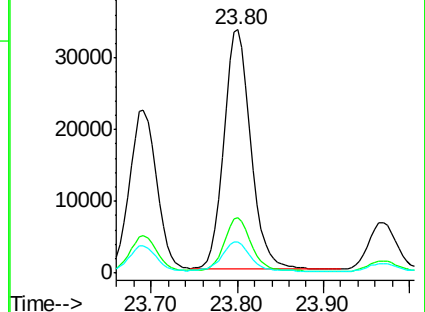
125 12.7 18.1 27.1#

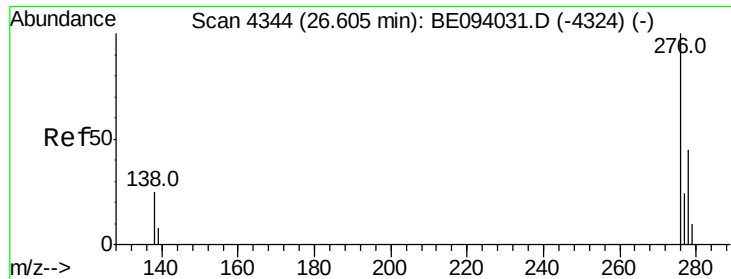


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.038 ng/ul

RT: 26.56 min Scan# 4335

Delta R.T. -0.05 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

Instrument :

BNA_E

ClientSampleId :

CB3A8

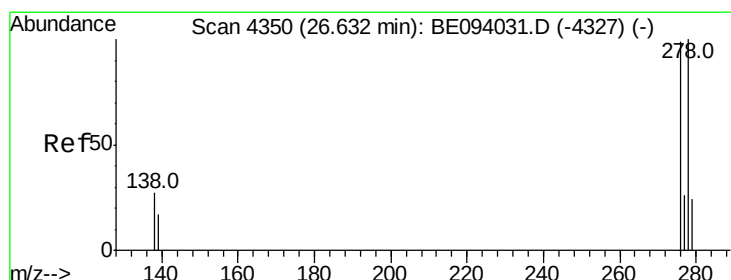
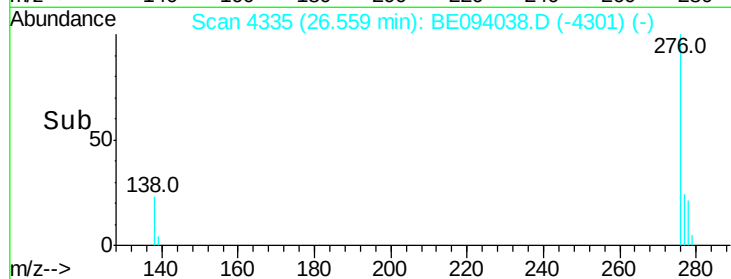
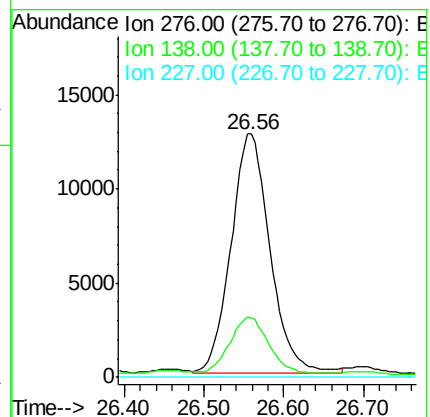
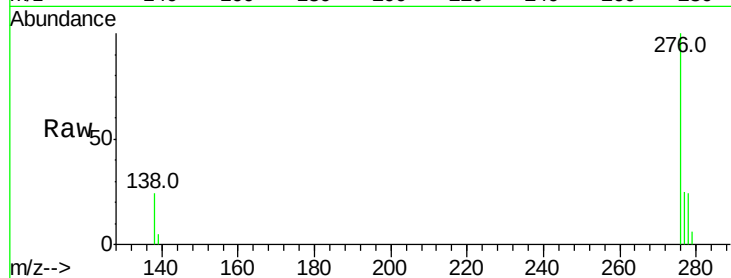
Tot Ion:276 Resp: 43012

Ion Ratio Lower Upper

276 100

138 23.8 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.334 ng/ul

RT: 26.56 min Scan# 4336

Delta R.T. -0.07 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

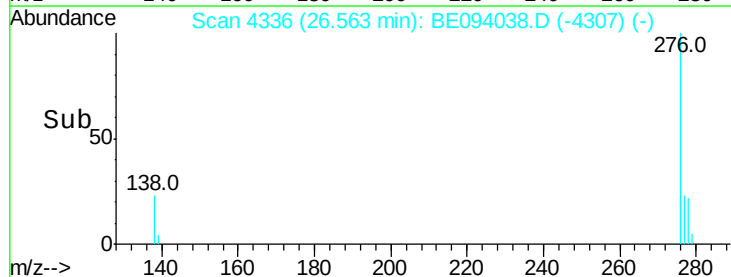
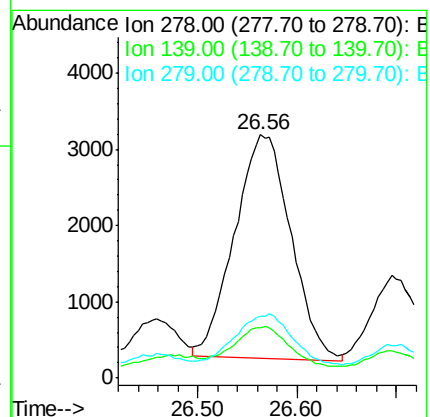
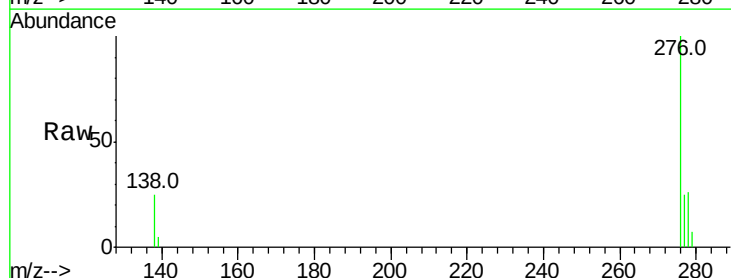
Tgt Ion:278 Resp: 11591

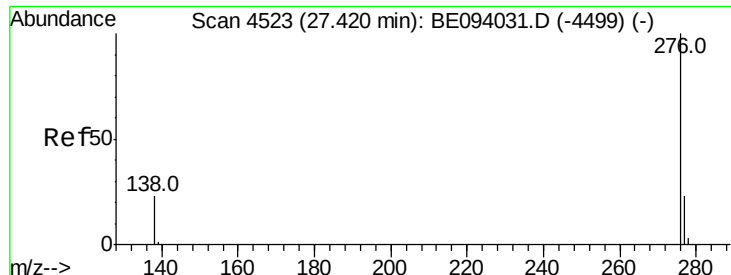
Ion Ratio Lower Upper

278 100

139 20.7 17.4 26.0

279 25.6 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 1.107 ng/ul

RT: 27.37 min Scan# 4514

Delta R.T. -0.05 min

Lab File: BE094038.D

Acq: 20 Sep 2017 18:56

Instrument :

BNA_E

ClientSampleId :

CB3A8

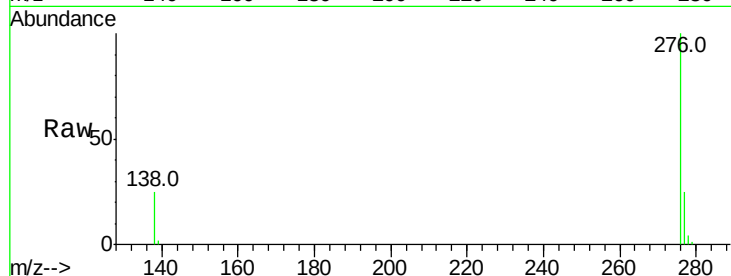
Tot Ion:276 Resp: 39543

Ion Ratio Lower Upper

276 100

138 24.7 21.8 32.8

277 24.8 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

