

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\
 Data File : BE094828.D
 Acq On : 22 Nov 2017 12:59
 Operator : SJ/JU
 Sample : I6514-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 23 00:57:22 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 23 00:56:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	640	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.68	136	4339	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.50	164	3158	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	7077	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	7333	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	7894	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	1424	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	4419	0.18	ng/ul	-0.01

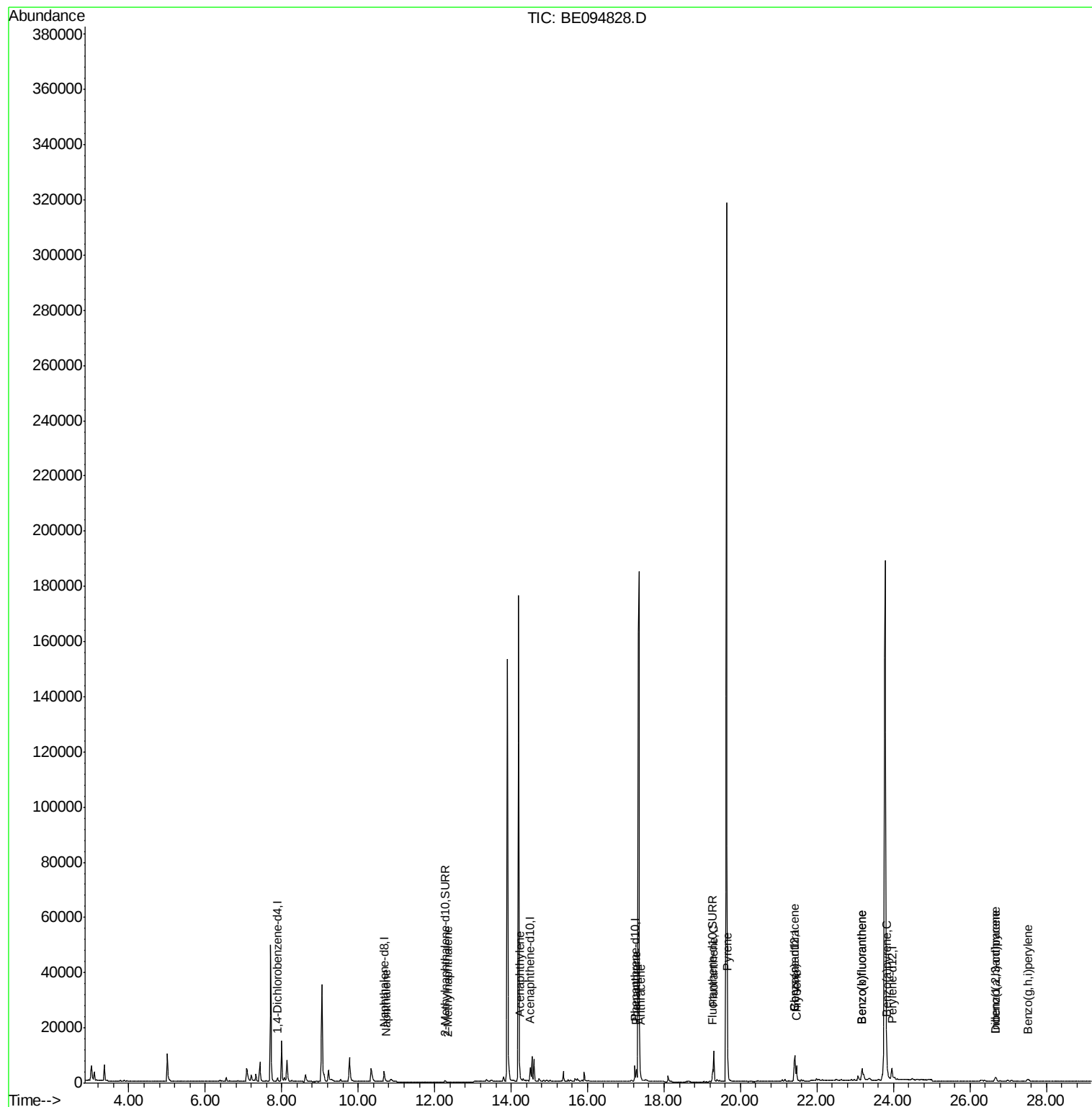
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	328	0.03	ng/ul#	57
5) 2-Methylnaphthalene	12.34	142	238	0.03	ng/ul	99
7) Acenaphthylene	14.23	152	377	0.03	ng/ul#	65
12) Phenanthrene	17.27	178	4787	0.25	ng/ul#	89
13) Anthracene	17.38	178	1166	0.06	ng/ul#	79
15) Fluoranthene	19.30	202	13086	0.52	ng/ul	83
17) Pyrene	19.66	202	11084	0.48	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	6596	0.30	ng/ul#	89
19) Chrysene	21.46	228	6388	0.29	ng/ul	96
21) Benzo(b)fluoranthene	23.18	252	10331	0.44	ng/ul	91
22) Benzo(k)fluoranthene	23.18	252	10331	0.41	ng/ul#	93
23) Benzo(a)pyrene	23.84	252	4698	0.20	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	26.68	276	3111	0.12	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.66	278	868	0.04	ng/ul#	43
26) Benzo(g,h,i)perylene	27.52	276	2117	0.10	ng/ul#	73

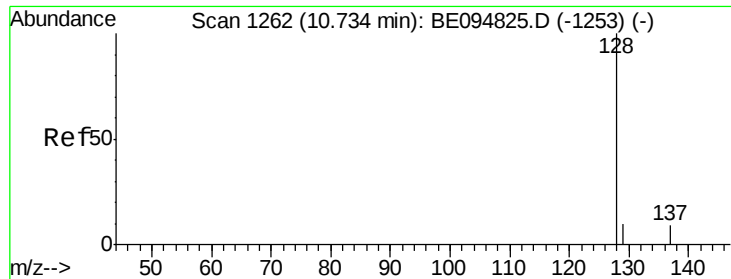
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.73 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

Instrument :

BNA_E

ClientSampleId :

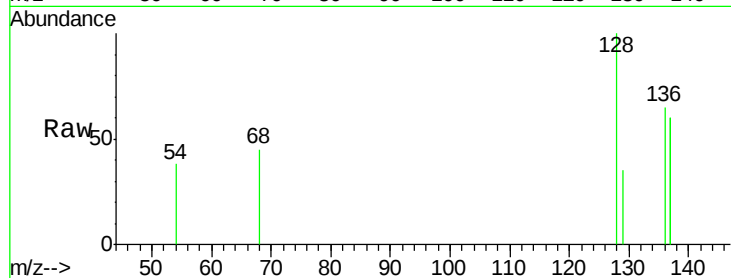
Tot Ion:128 Resp: 328

Ion Ratio Lower Upper

128 100

129 35.5 11.3 16.9#

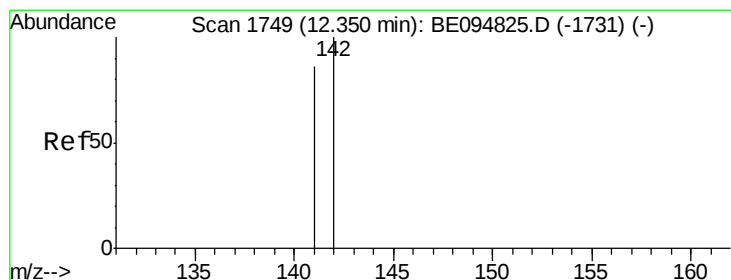
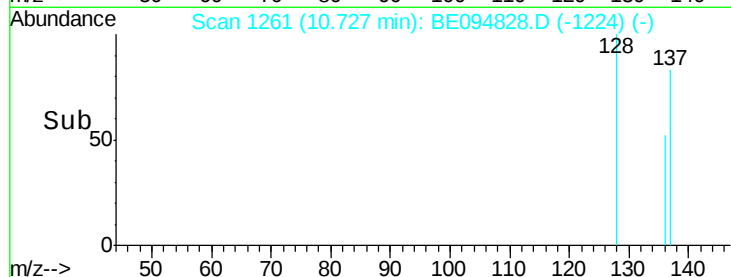
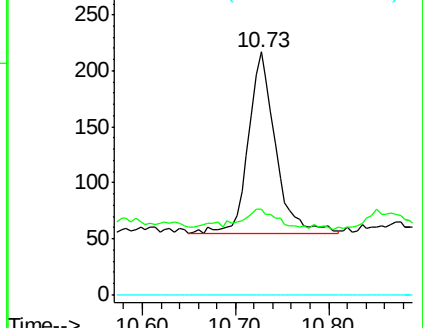
127 0.0 4.0 6.0#



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: 0.03 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BE094828.D

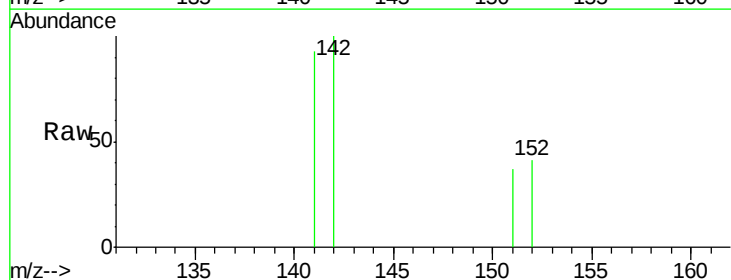
Acq: 22 Nov 2017 12:59

Tgt Ion:142 Resp: 238

Ion Ratio Lower Upper

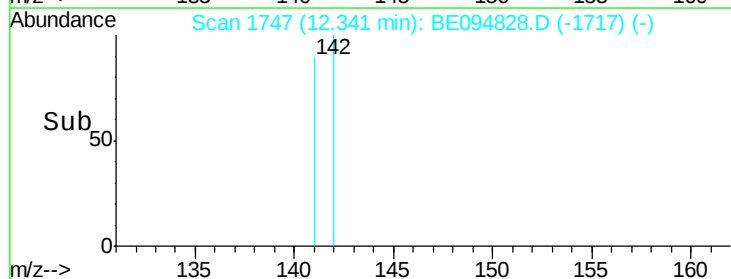
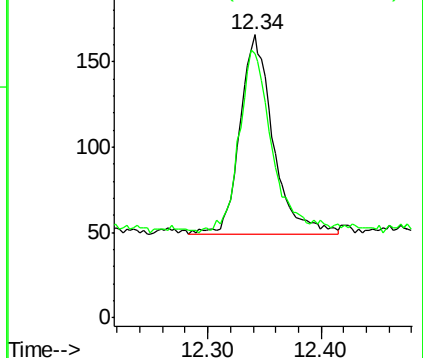
142 100

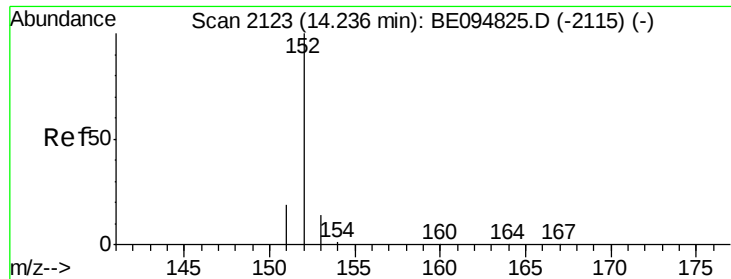
141 91.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.23 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

Instrument :

BNA_E

ClientSampleId :

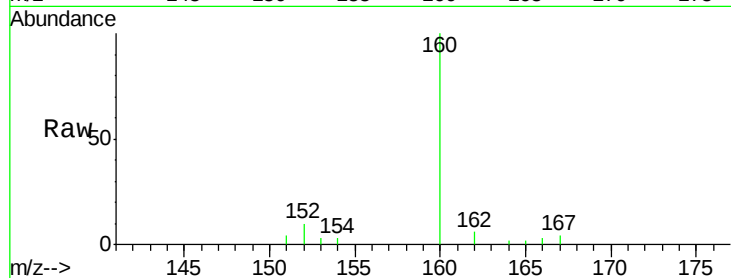
Tot Ion:152 Resp: 377

Ion Ratio Lower Upper

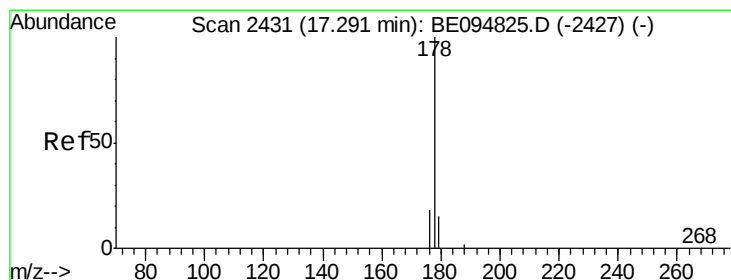
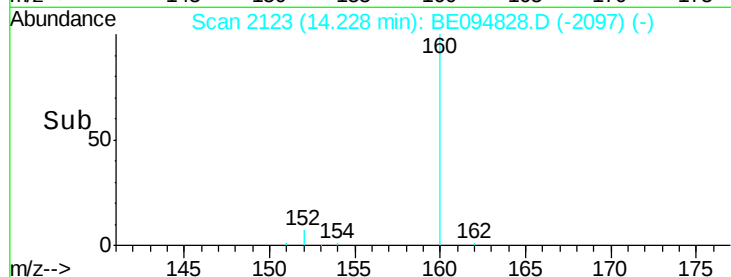
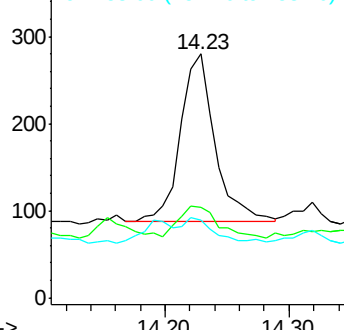
152 100

151 37.1 17.1 25.7#

153 31.8 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



#12

Phenanthrene

Concen: 0.25 ng/ul

RT: 17.27 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

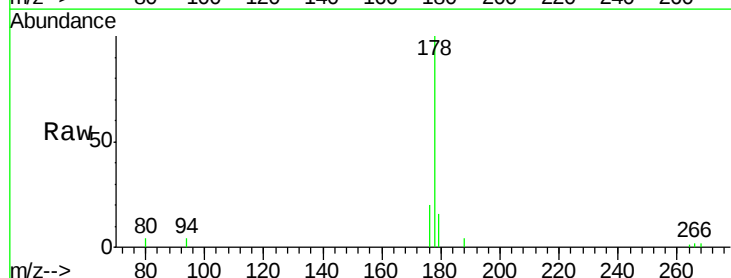
Tgt Ion:178 Resp: 4787

Ion Ratio Lower Upper

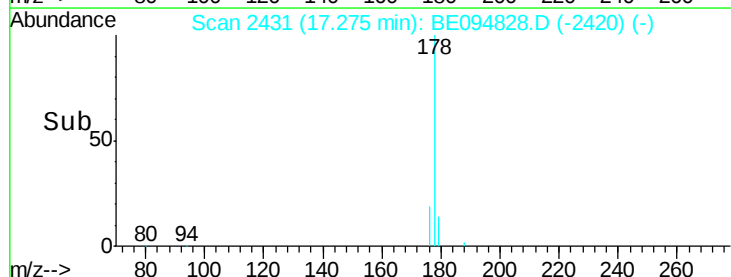
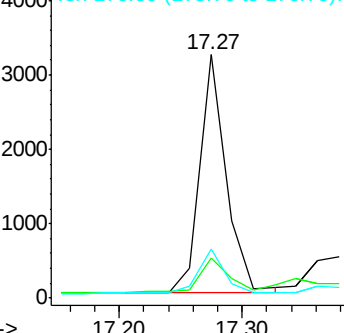
178 100

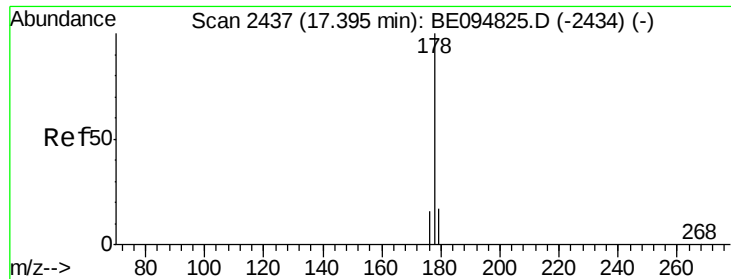
179 16.5 18.4 27.6#

176 20.3 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





#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.38 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

Instrument :

BNA_E

ClientSampleId :

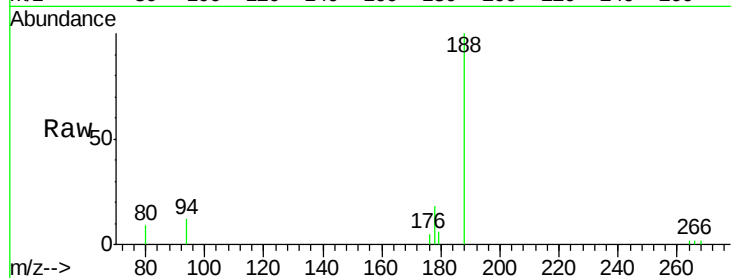
Tot Ion:178 Resp: 1166

Ion Ratio Lower Upper

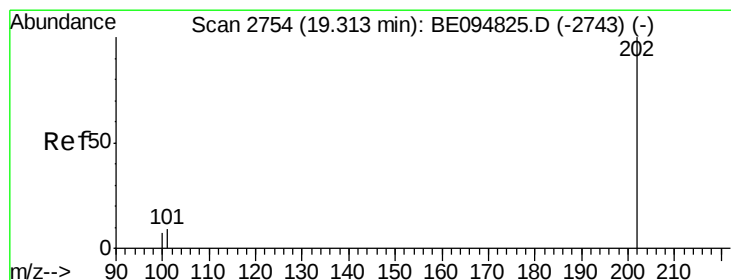
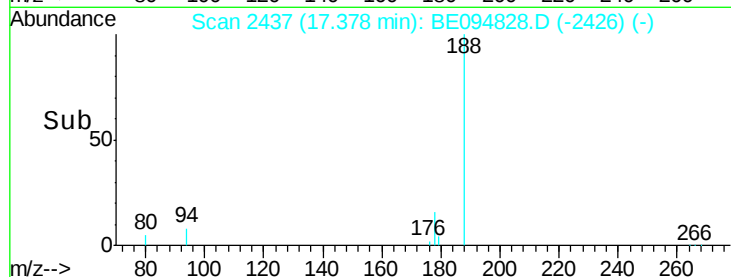
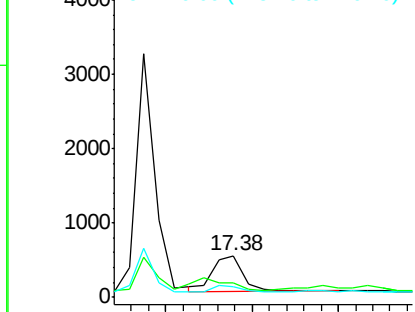
178 100

179 34.3 18.1 27.1#

176 25.4 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: 0.52 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

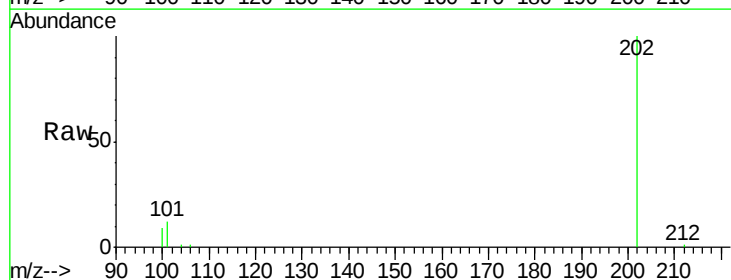
Tgt Ion:202 Resp: 13086

Ion Ratio Lower Upper

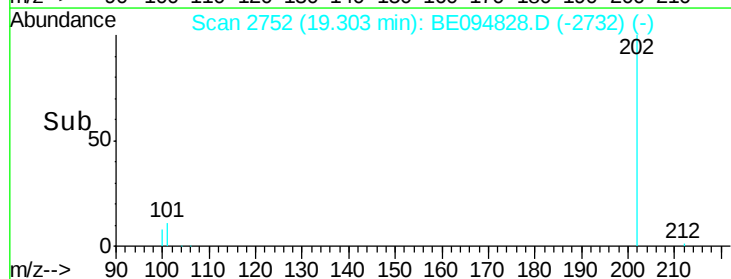
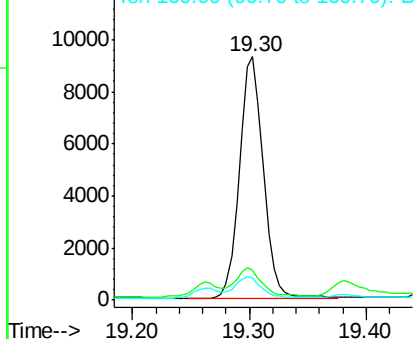
202 100

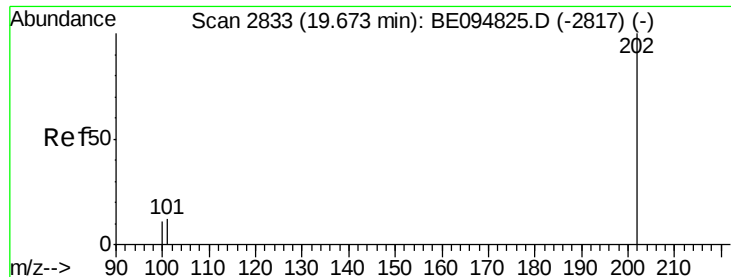
101 12.1 0.0 30.3

100 8.8 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: 0.48 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

Instrument :

BNA_E

ClientSampleId :

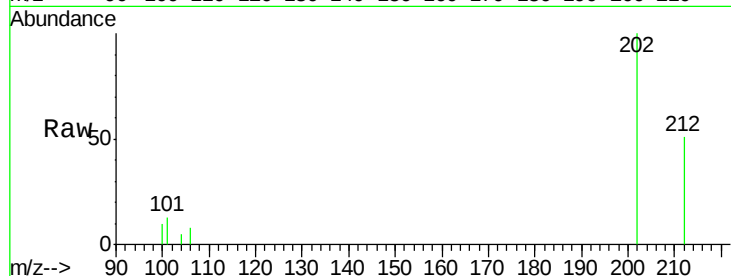
Tot Ion:202 Resp: 11084

Ion Ratio Lower Upper

202 100

101 13.0 18.2 27.4#

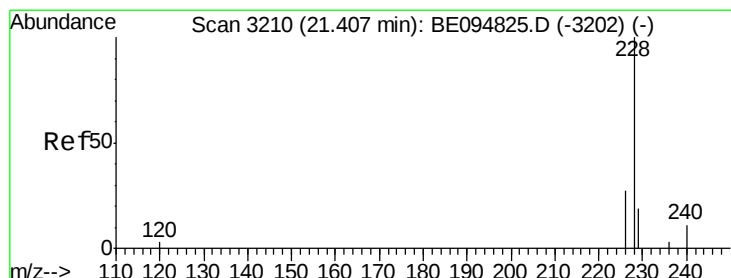
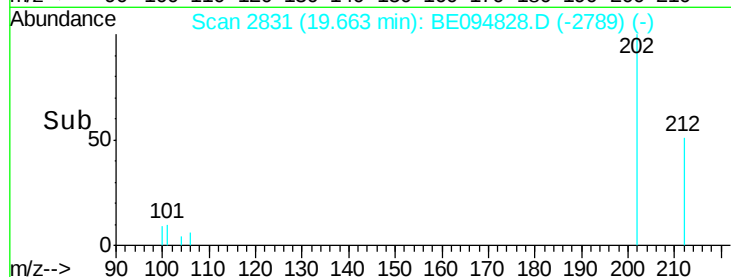
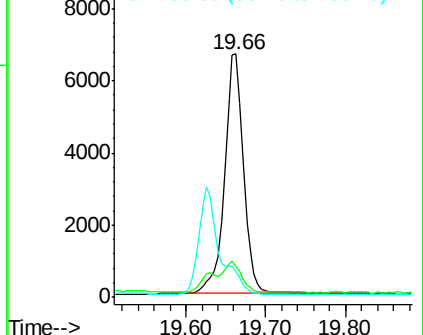
100 10.5 15.6 23.4#



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: 0.30 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

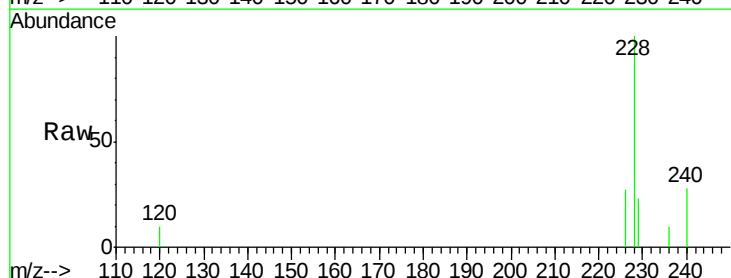
Tgt Ion:228 Resp: 6596

Ion Ratio Lower Upper

228 100

229 23.1 22.8 34.2

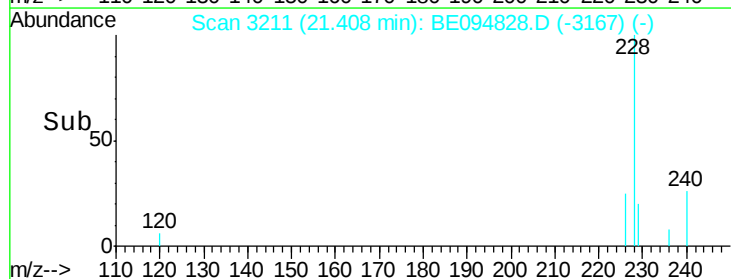
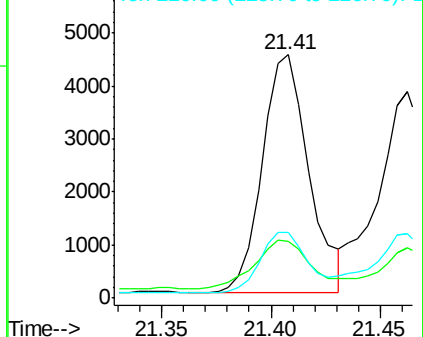
226 26.8 17.0 25.6#

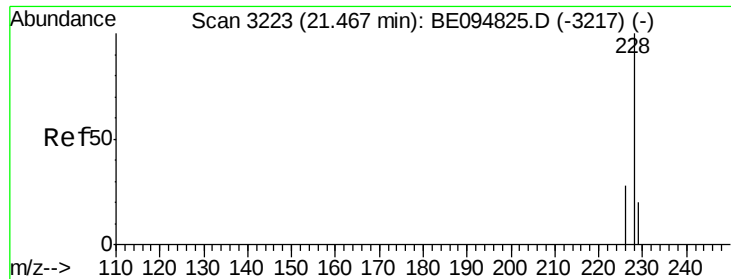


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.29 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

Instrument :

BNA_E

ClientSampleId :

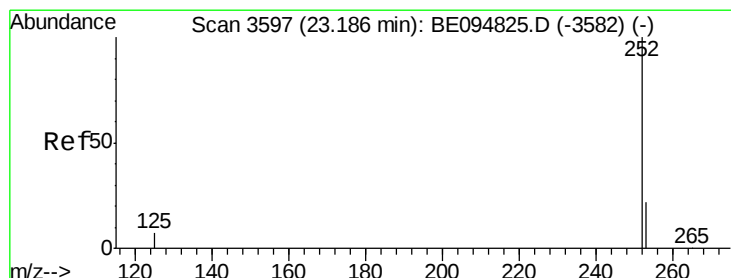
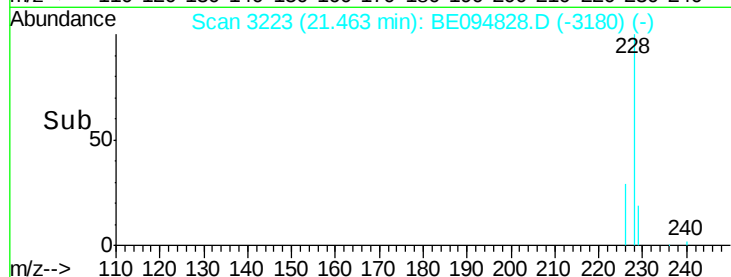
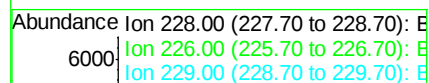
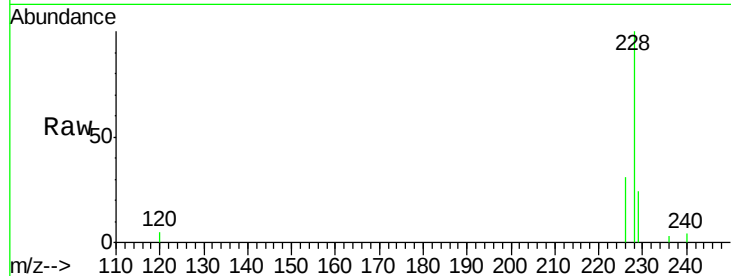
Tot Ion:228 Resp: 6388

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.0

229 24.4 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.44 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.01 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

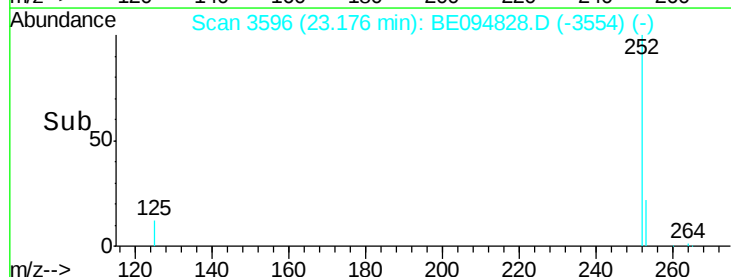
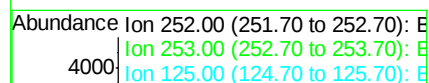
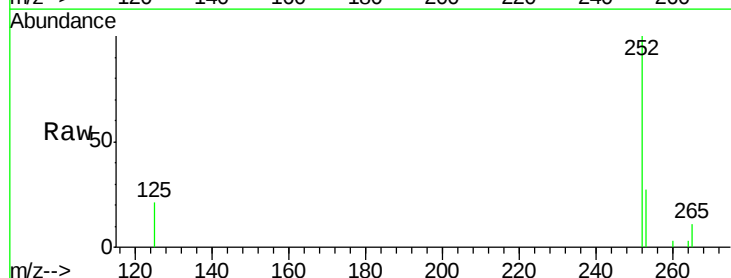
Tgt Ion:252 Resp: 10331

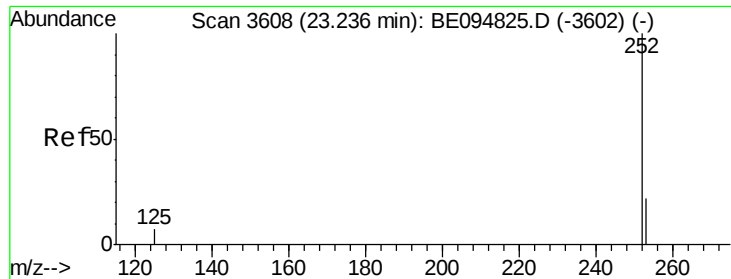
Ion Ratio Lower Upper

252 100

253 27.2 0.0 64.2

125 21.1 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.41 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.06 min

Lab File: BE094828.D

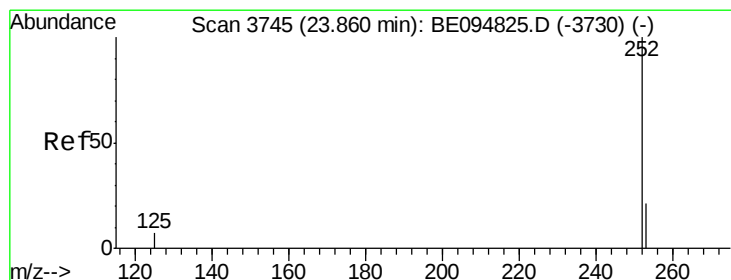
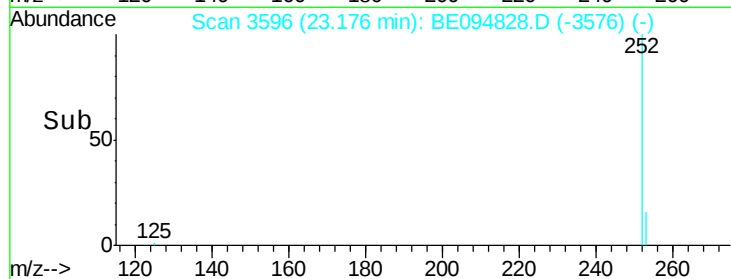
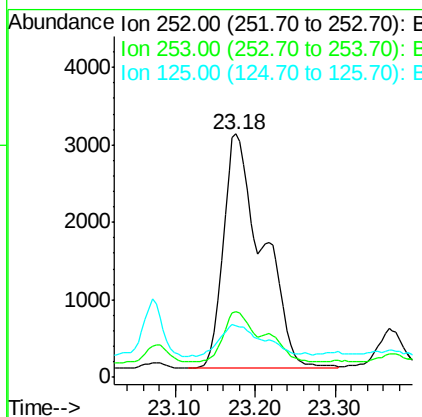
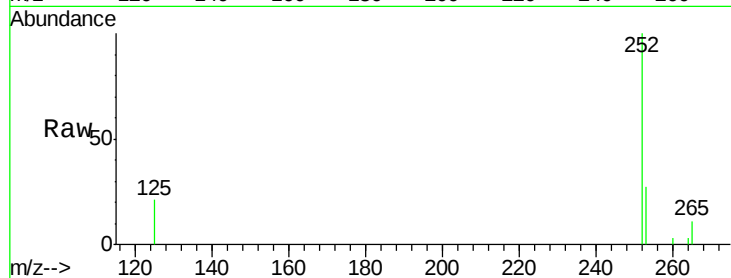
Acq: 22 Nov 2017 12:59

Instrument :

BNA_E

ClientSampleId :

Tot Ion:252	Resp:	10331
Ion Ratio	Lower	Upper
252	100	
253	27.2	24.5 36.7
125	21.1	13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.20 ng/ul

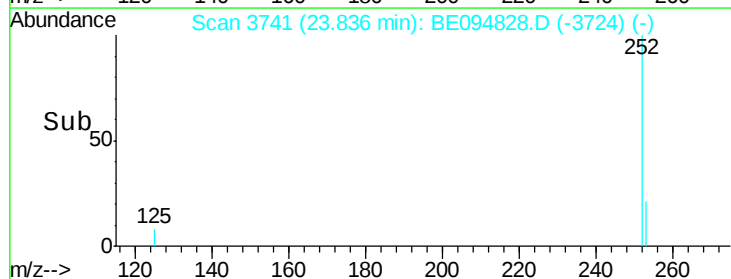
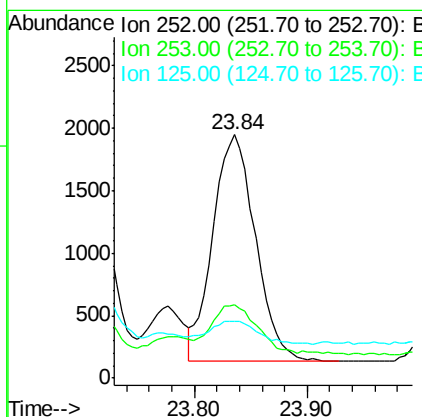
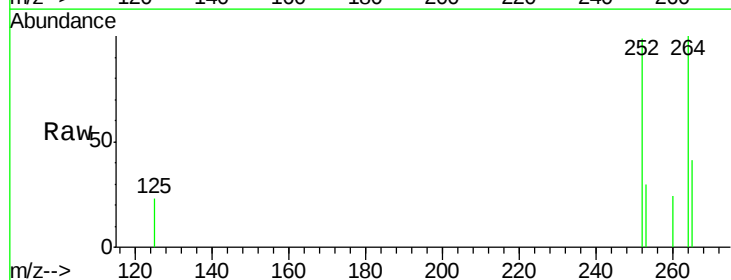
RT: 23.84 min Scan# 3741

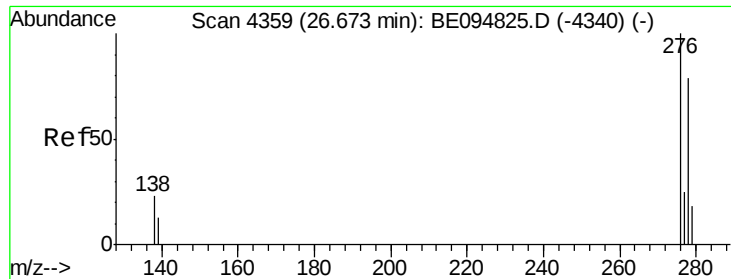
Delta R.T. -0.02 min

Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

Tgt Ion:252	Resp:	4698
Ion Ratio	Lower	Upper
252	100	
253	30.2	28.5 42.7
125	23.3	18.1 27.1

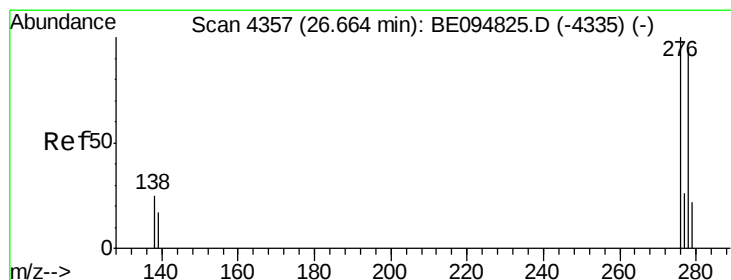
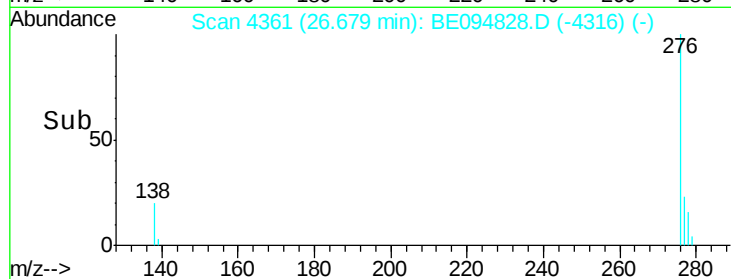
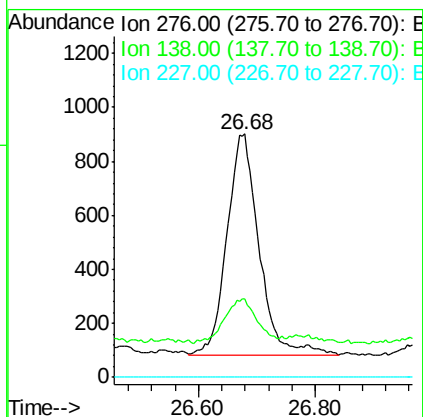
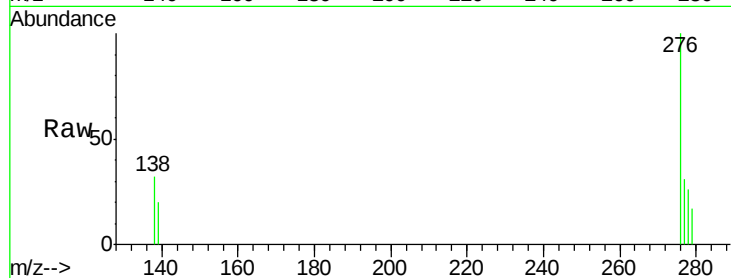




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.12 ng/ul
 RT: 26.68 min Scan# 4361
 Delta R.T. 0.01 min
 Lab File: BE094828.D
 Acq: 22 Nov 2017 12:59

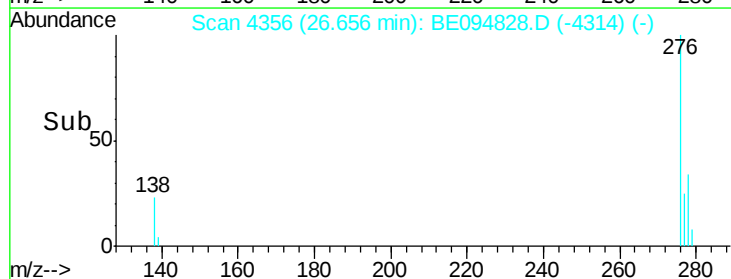
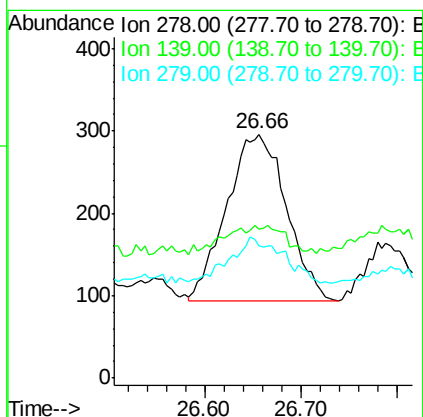
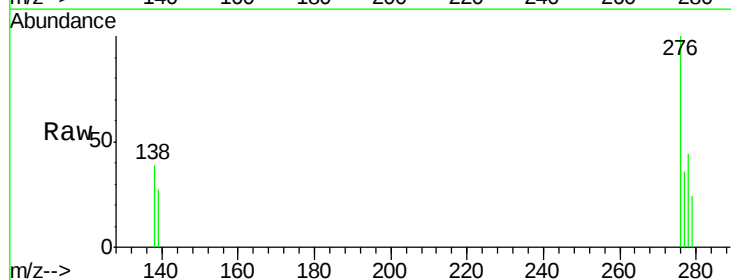
Instrument :
 BNA_E
 ClientSampleId :

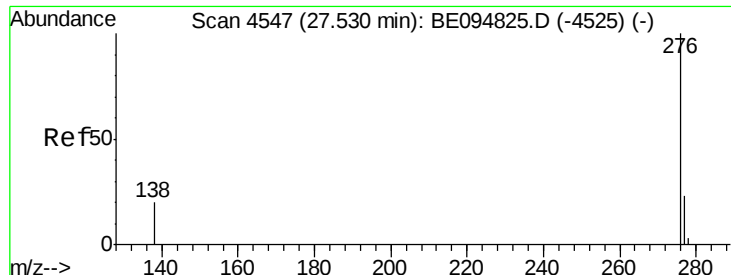
Tot Ion:276 Resp: 3111
 Ion Ratio Lower Upper
 276 100
 138 21.4 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.04 ng/ul
 RT: 26.66 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: BE094828.D
 Acq: 22 Nov 2017 12:59

Tgt Ion:278 Resp: 868
 Ion Ratio Lower Upper
 278 100
 139 60.8 17.4 26.0#
 279 54.4 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.10 ng/ul

RT: 27.52 min Scan# 4545

Delta R.T. -0.01 min

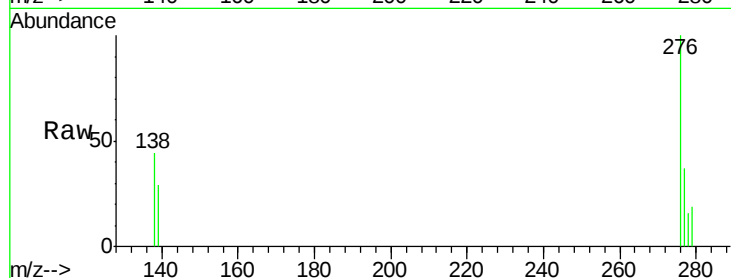
Lab File: BE094828.D

Acq: 22 Nov 2017 12:59

Instrument :

BNA_E

ClientSampleId :



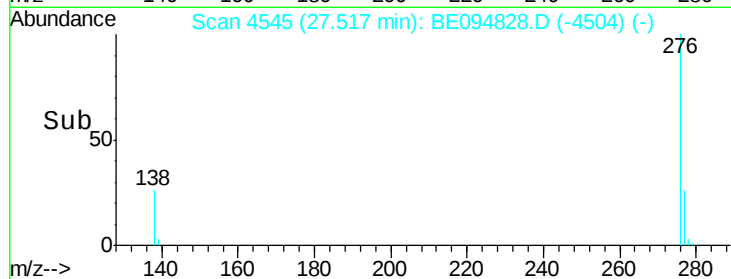
Tot Ion: 276 Resp: 2117

Ion Ratio Lower Upper

276 100

138 43.9 21.8 32.8#

277 37.0 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

800

600

400

200

0

27.40

27.52

27.60

Time-->