

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094218.D
 Acq On : 9 Oct 2017 13:08
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:52:00 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 09 04:05:38 2017
 Response via : Initial Calibration

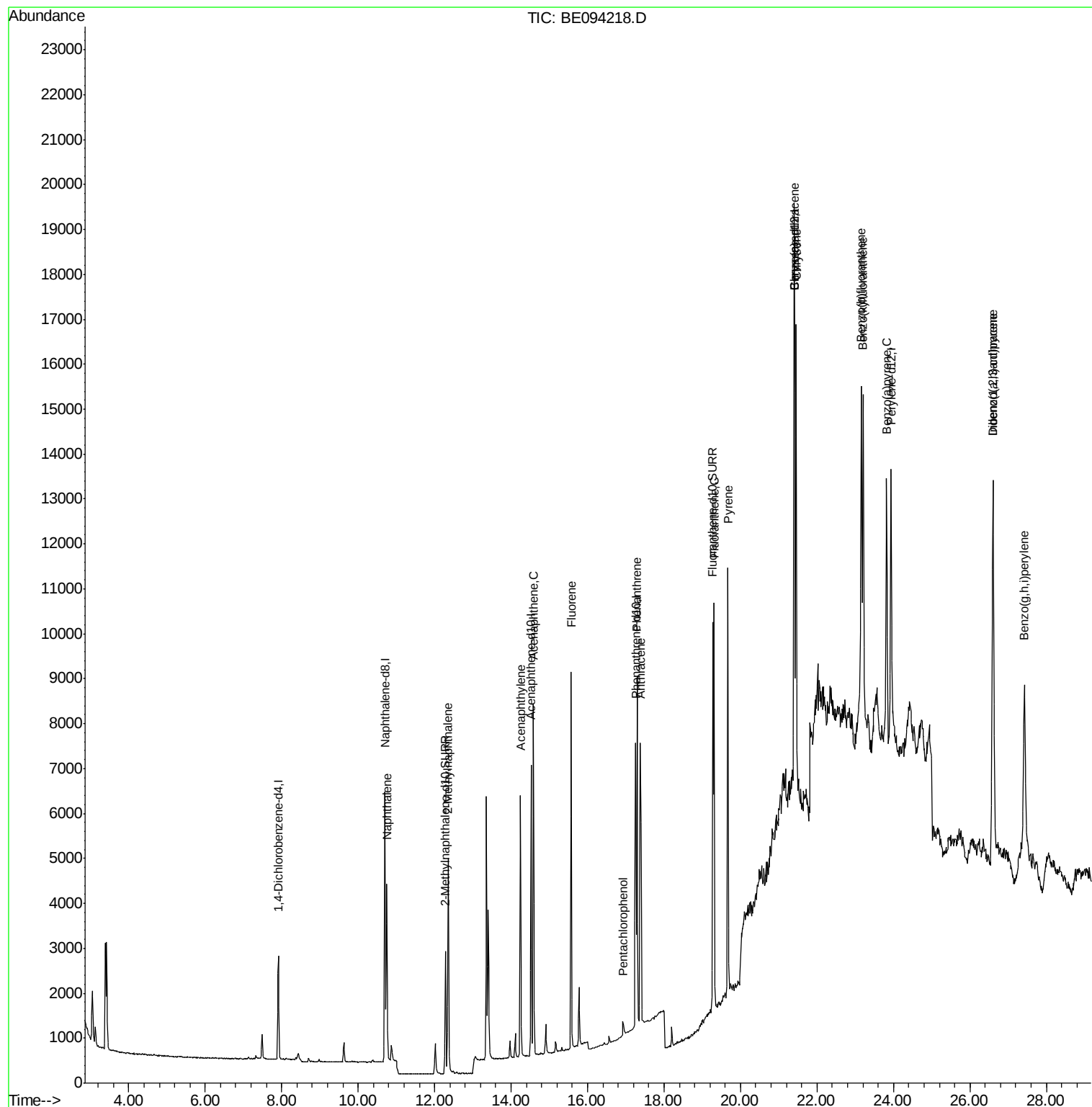
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1239	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6753	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3740	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8457	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	8537	0.40	ng/ul	0.00
20) Perylene-d12	23.94	264	8925	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	4217	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	10429	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	6370	0.385	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	4462	0.416	ng/ul	97
7) Acenaphthylene	14.24	152	6894	0.473	ng/ul	97
8) Acenaphthene	14.58	153	4849	0.404	ng/ul	97
9) Fluorene	15.57	166	5584	0.397	ng/ul	92
11) Pentachlorophenol	16.93	266	500	0.504	ng/ul	99
12) Phenanthrene	17.29	178	8878	0.402	ng/ul#	90
13) Anthracene	17.38	178	9018	0.420	ng/ul#	90
15) Fluoranthene	19.31	202	10311	0.355	ng/ul	84
17) Pyrene	19.67	202	10920	0.460	ng/ul#	84
18) Benzo(a)anthracene	21.40	228	10288	0.454	ng/ul#	80
19) Chrysene	21.46	228	9473	0.362	ng/ul#	77
21) Benzo(b)fluoranthene	23.16	252	10529	0.434	ng/ul#	57
22) Benzo(k)fluoranthene	23.21	252	9660	0.345	ng/ul#	54
23) Benzo(a)pyrene	23.82	252	9796	0.389	ng/ul#	68
24) Indeno(1,2,3-cd)pyrene	26.60	276	11389	0.442	ng/ul#	81
25) Dibenzo(a,h)anthracene	26.61	278	9416	0.436	ng/ul#	67
26) Benzo(g,h,i)perylene	27.43	276	9513	0.428	ng/ul#	62

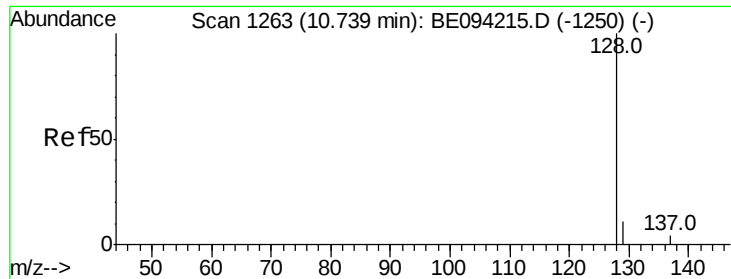
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.385 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

Instrument :

BNA_E

ClientSampleId :

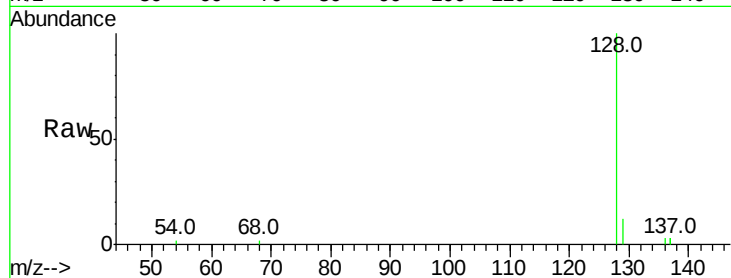
Tot Ion:128 Resp: 6370

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

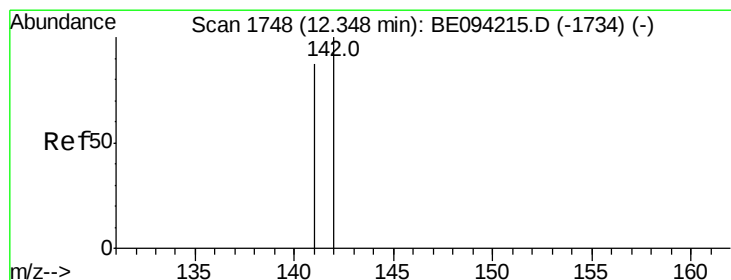
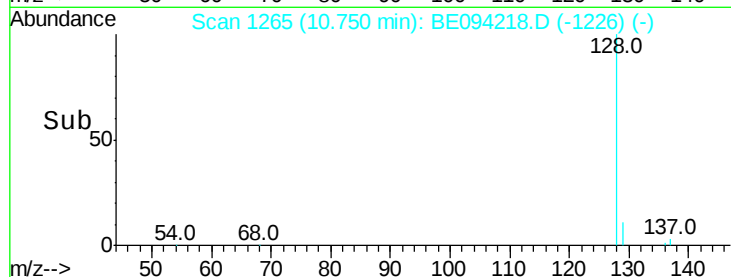
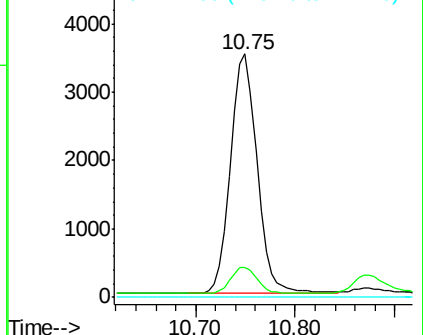
127 0.0 4.0 6.0#



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: 0.416 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094218.D

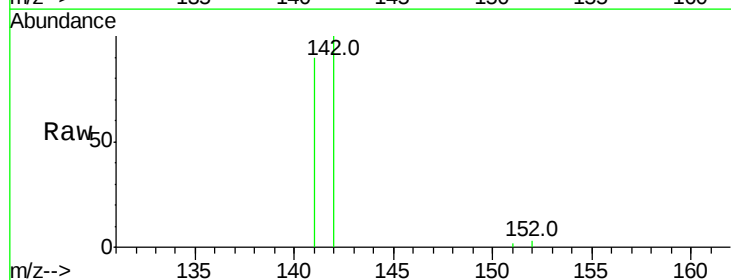
Acq: 9 Oct 2017 13:08

Tgt Ion:142 Resp: 4462

Ion Ratio Lower Upper

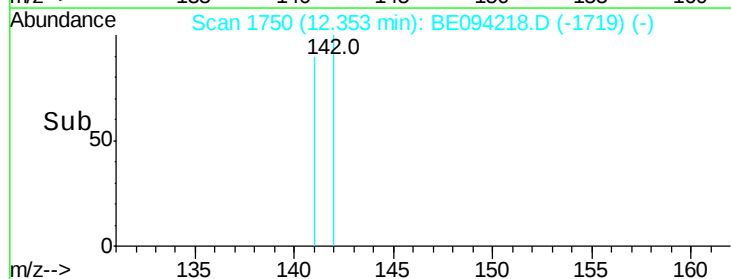
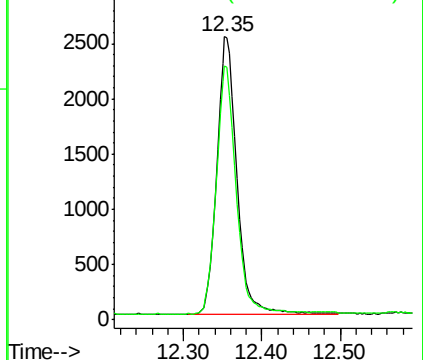
142 100

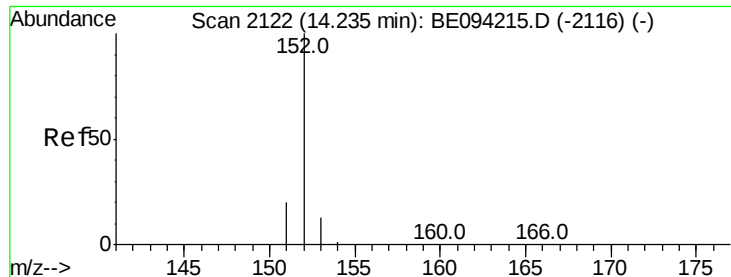
141 88.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.473 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

Instrument :

BNA_E

ClientSampleId :

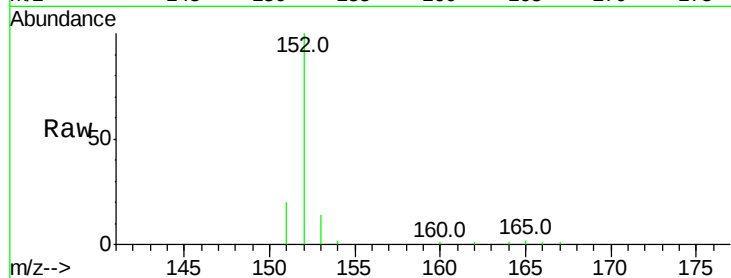
Tot Ion:152 Resp: 6894

Ion Ratio Lower Upper

152 100

151 20.5 17.1 25.7

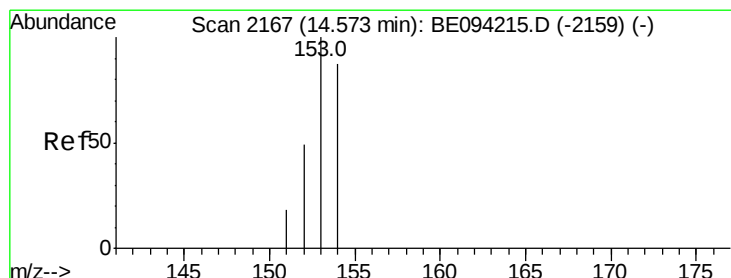
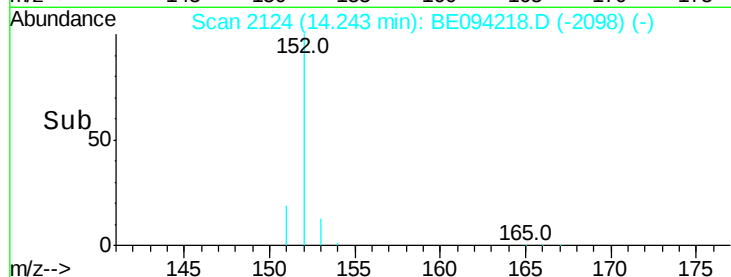
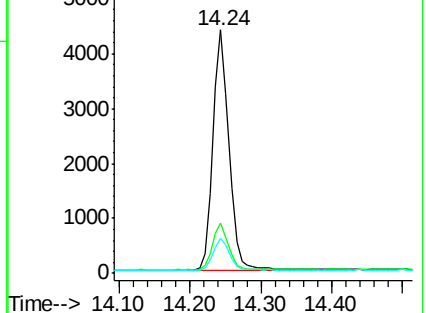
153 14.3 12.8 19.2



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: 0.404 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

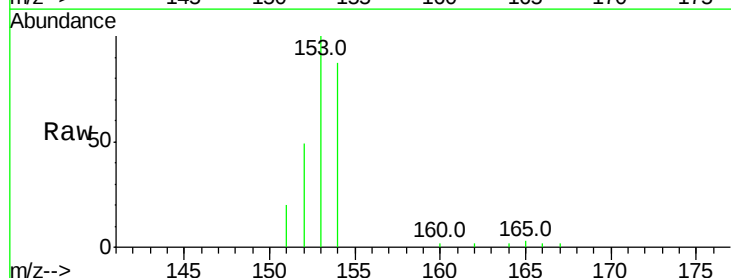
Tgt Ion:153 Resp: 4849

Ion Ratio Lower Upper

153 100

152 48.7 40.3 60.5

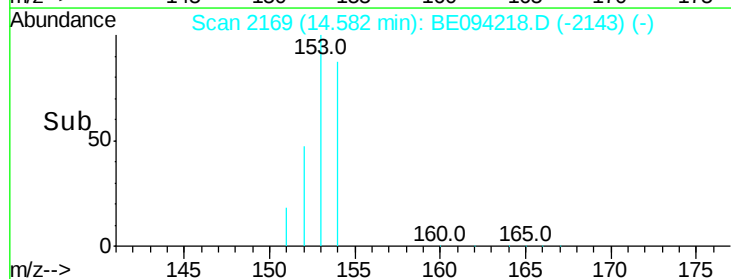
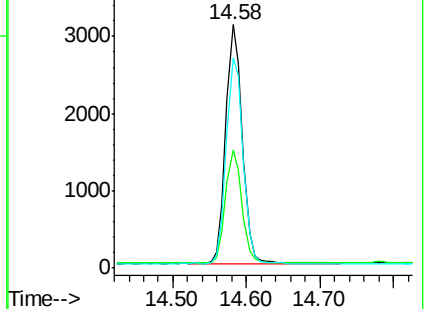
154 86.6 71.4 107.2

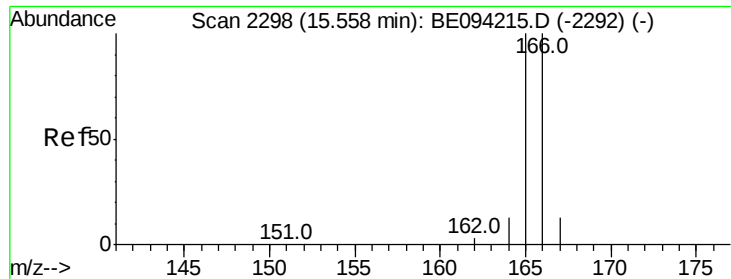


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

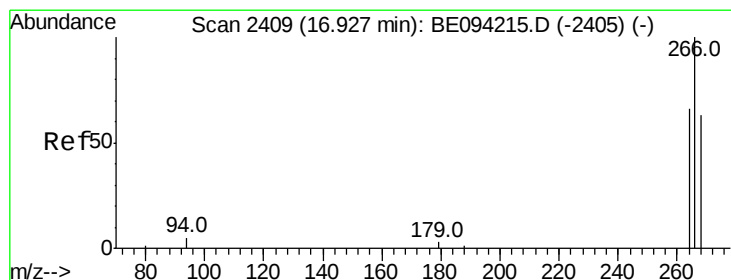
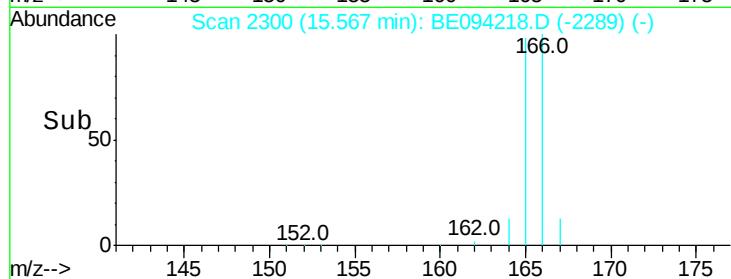
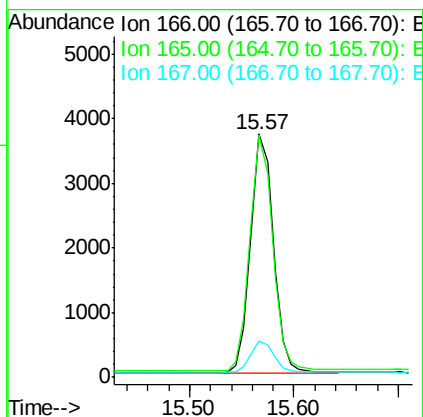
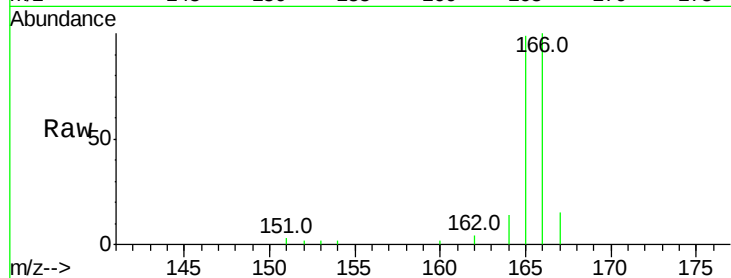




#9
Fluorene
 Concen: 0.397 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: BE094218.D
 Acq: 9 Oct 2017 13:08

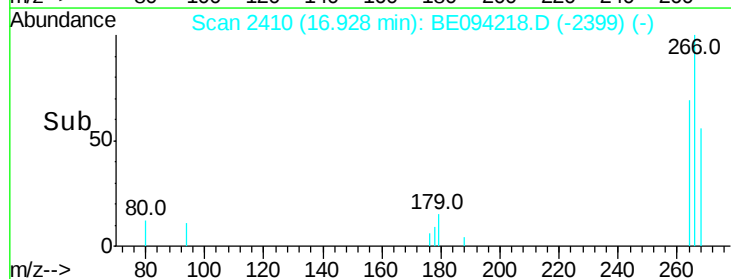
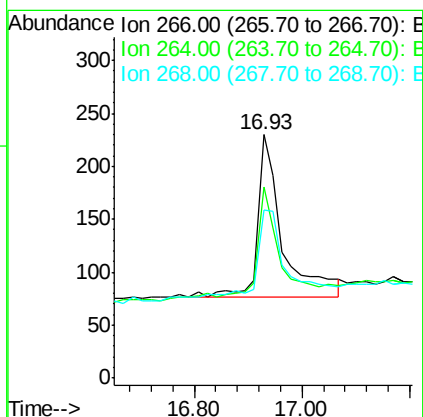
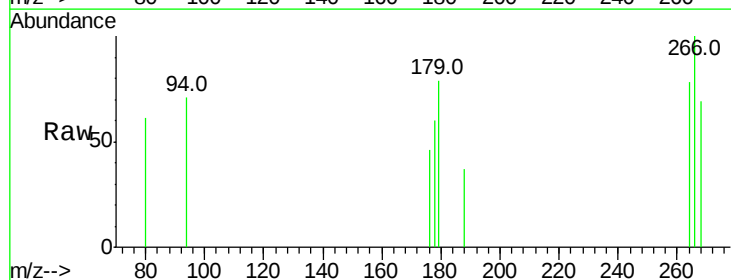
Instrument :
 BNA_E
 ClientSampleId :

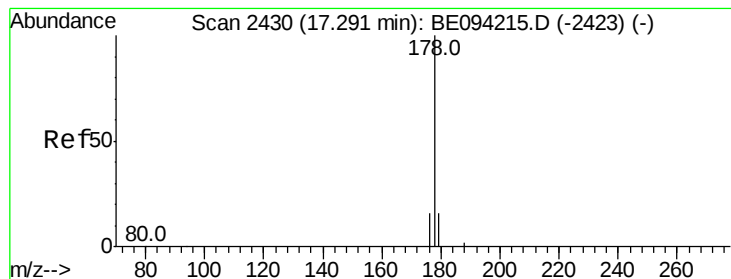
Tot Ion:166 Resp: 5584
 Ion Ratio Lower Upper
 166 100
 165 99.3 73.4 110.2
 167 14.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.504 ng/ul
 RT: 16.93 min Scan# 2410
 Delta R.T. -0.02 min
 Lab File: BE094218.D
 Acq: 9 Oct 2017 13:08

Tgt Ion:266 Resp: 500
 Ion Ratio Lower Upper
 266 100
 264 60.2 47.9 71.9
 268 63.4 49.8 74.8





#12

Phenanthrene

Concen: 0.402 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

Instrument :

BNA_E

ClientSampleId :

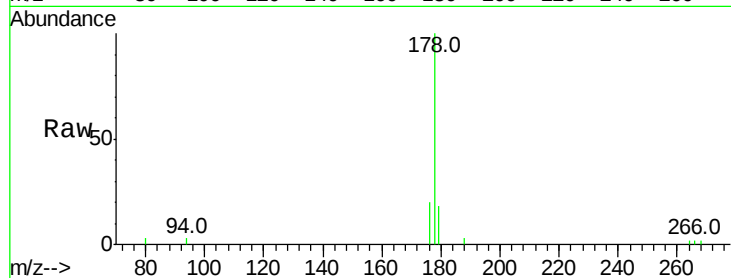
Tot Ion:178 Resp: 8878

Ion Ratio Lower Upper

178 100

179 17.8 18.4 27.6#

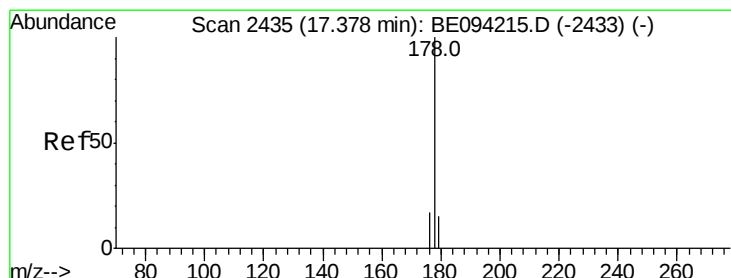
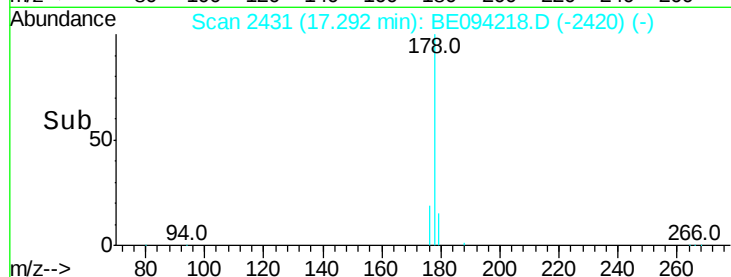
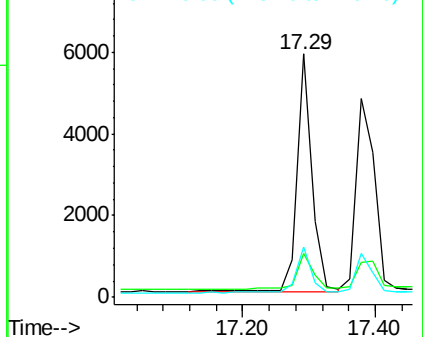
176 20.4 13.6 20.4#



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: 0.420 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

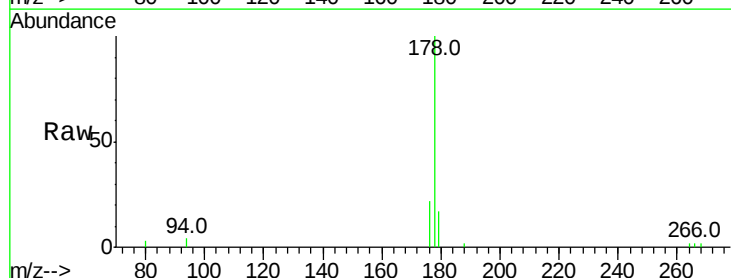
Tgt Ion:178 Resp: 9018

Ion Ratio Lower Upper

178 100

179 17.3 18.1 27.1#

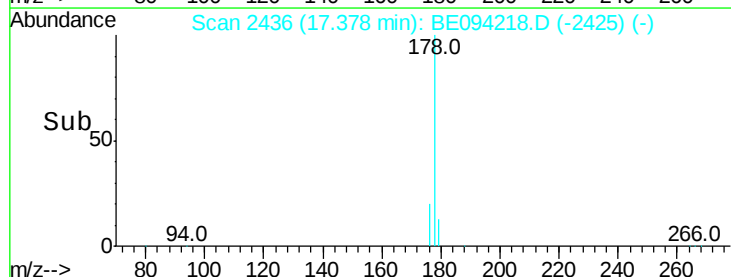
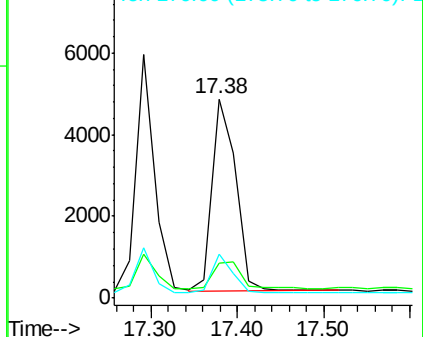
176 22.2 14.7 22.1#

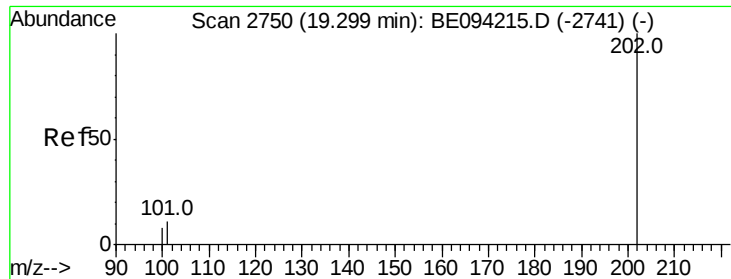


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.355 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.00 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

Instrument :

BNA_E

ClientSampleId :

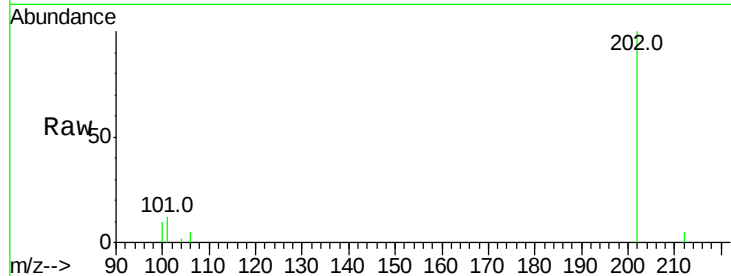
Tot Ion:202 Resp: 10311

Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.3

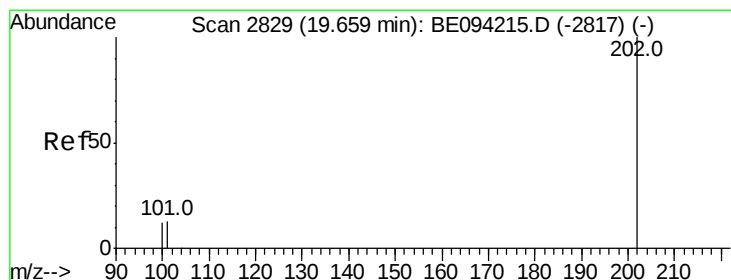
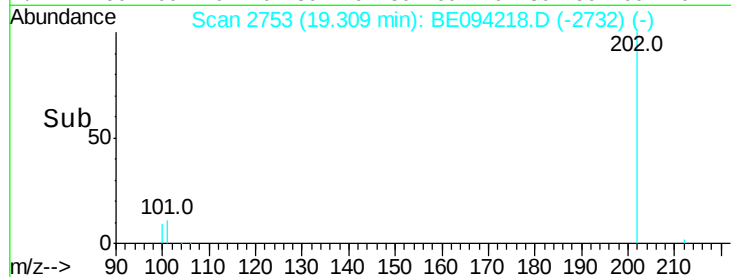
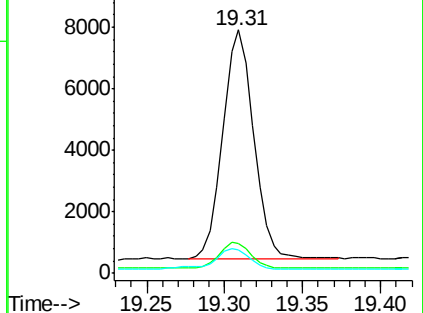
100 9.7 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.460 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

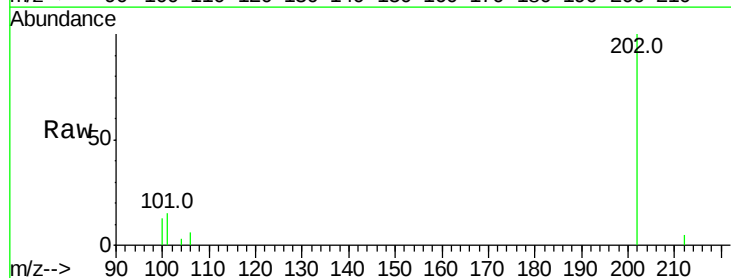
Tgt Ion:202 Resp: 10920

Ion Ratio Lower Upper

202 100

101 14.6 18.2 27.4#

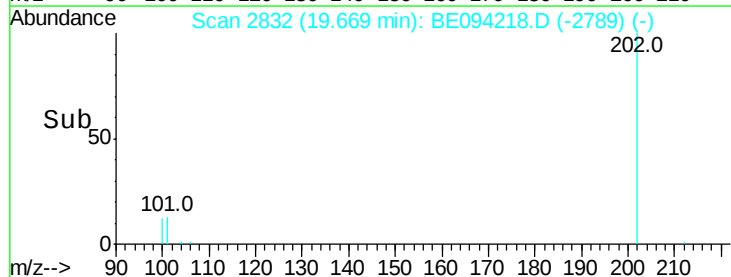
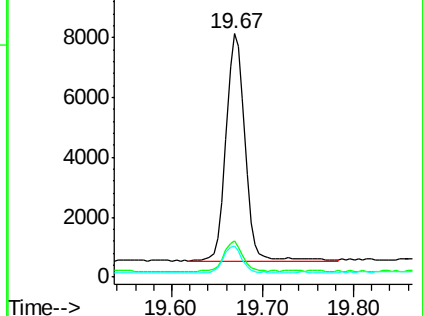
100 12.6 15.6 23.4#

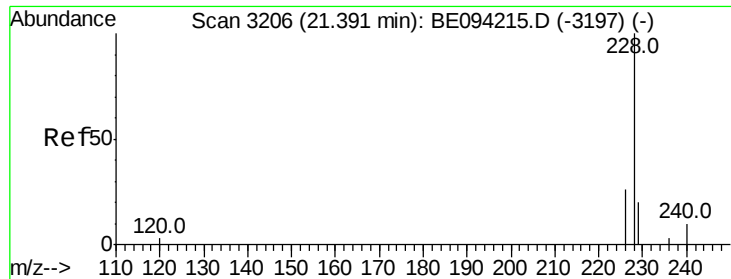


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.454 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

Instrument :

BNA_E

ClientSampleId :

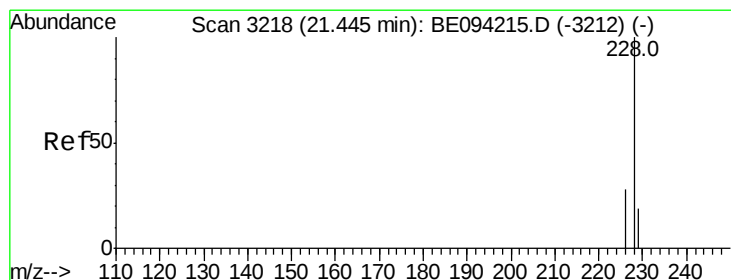
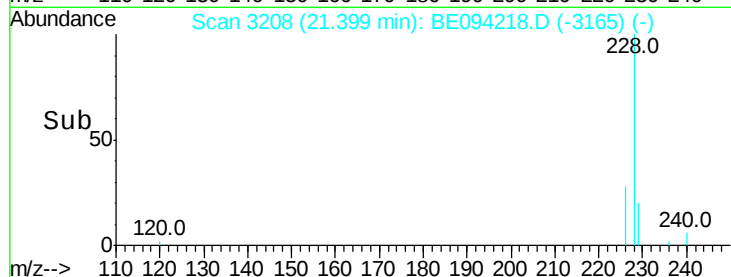
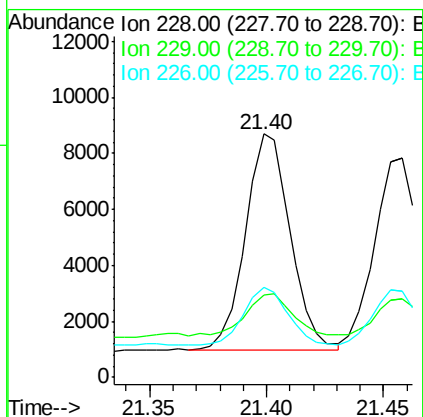
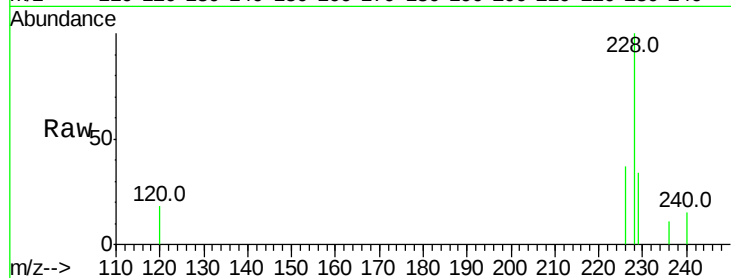
Tot Ion:228 Resp: 10288

Ion Ratio Lower Upper

228 100

229 34.1 22.8 34.2

226 36.9 17.0 25.6#



#19

Chrysene

Concen: 0.362 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. 0.00 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

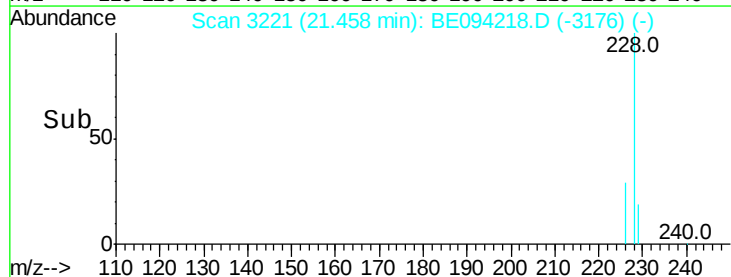
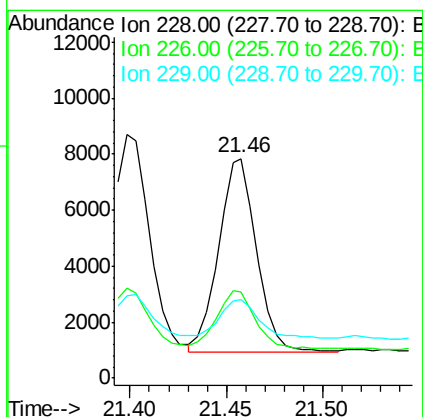
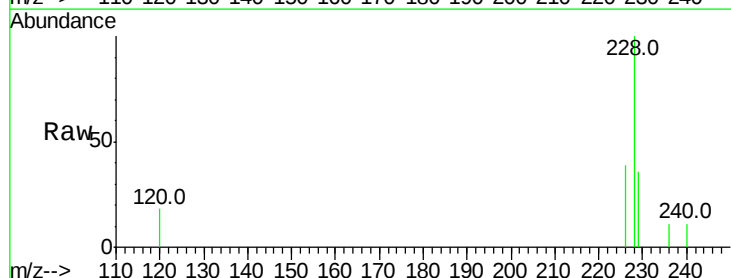
Tgt Ion:228 Resp: 9473

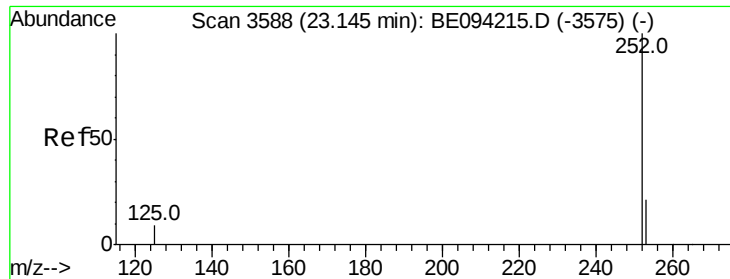
Ion Ratio Lower Upper

228 100

226 39.4 23.4 35.0#

229 35.7 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.434 ng/ul

RT: 23.16 min Scan# 3591

Delta R.T. 0.01 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

Instrument :

BNA_E

ClientSampleId :

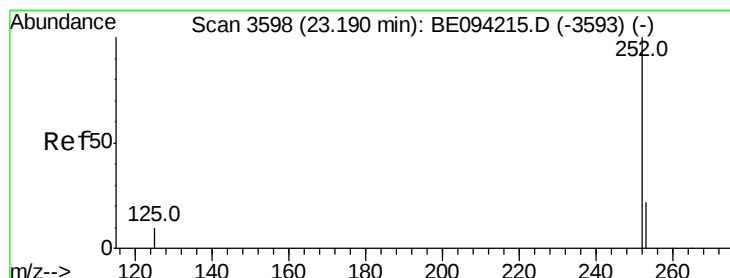
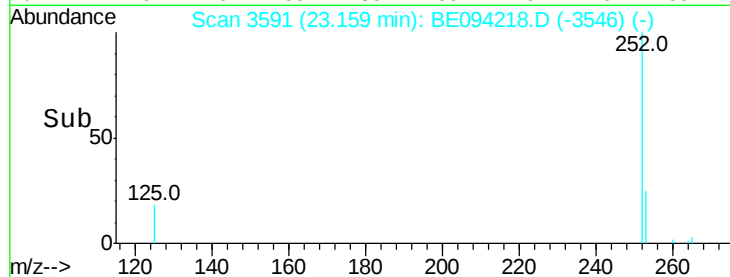
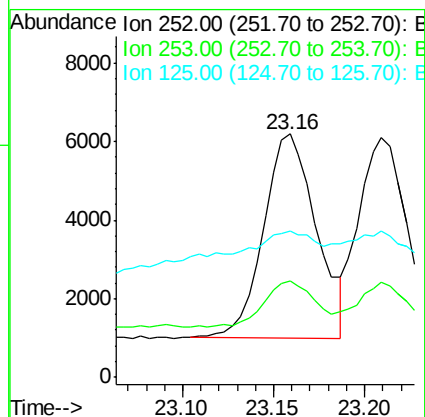
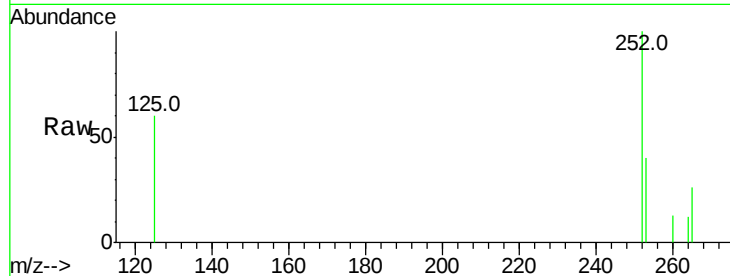
Tot Ion:252 Resp: 10529

Ion Ratio Lower Upper

252 100

253 39.6 0.0 64.2

125 60.3 0.0 35.0#



#22

Benzo(k)fluoranthene

Concen: 0.345 ng/ul

RT: 23.21 min Scan# 3602

Delta R.T. 0.01 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

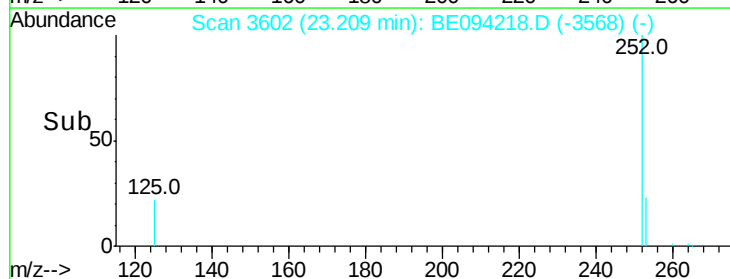
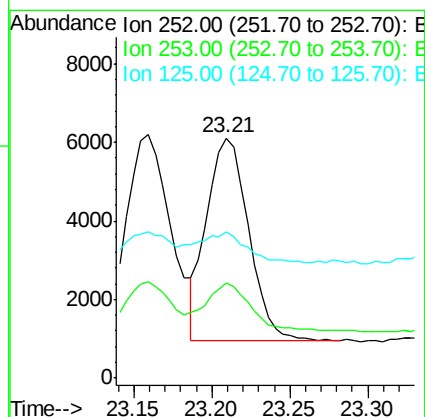
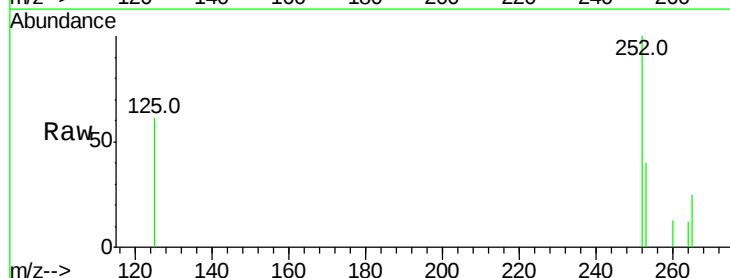
Tgt Ion:252 Resp: 9660

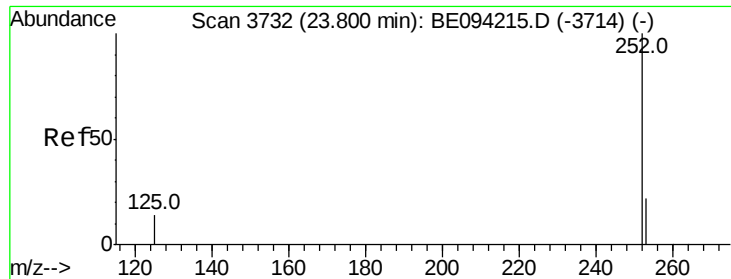
Ion Ratio Lower Upper

252 100

253 39.5 24.5 36.7#

125 60.8 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.389 ng/u1

RT: 23.82 min Scan# 3736

Delta R.T. 0.01 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

Instrument :

BNA_E

ClientSampleId :

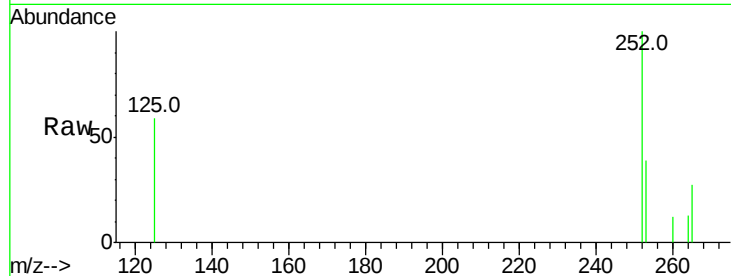
Tot Ion:252 Resp: 9796

Ion Ratio Lower Upper

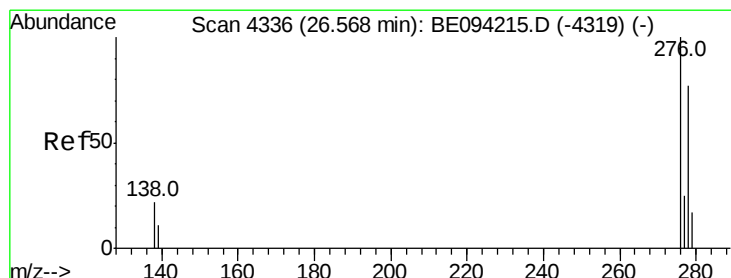
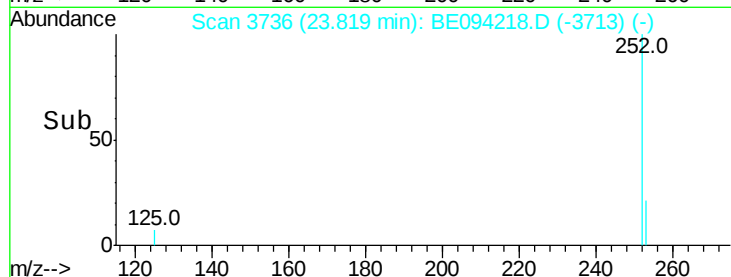
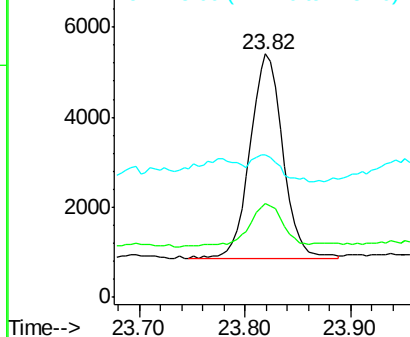
252 100

253 38.5 28.5 42.7

125 58.8 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: 0.442 ng/u1

RT: 26.60 min Scan# 4343

Delta R.T. 0.02 min

Lab File: BE094218.D

Acq: 9 Oct 2017 13:08

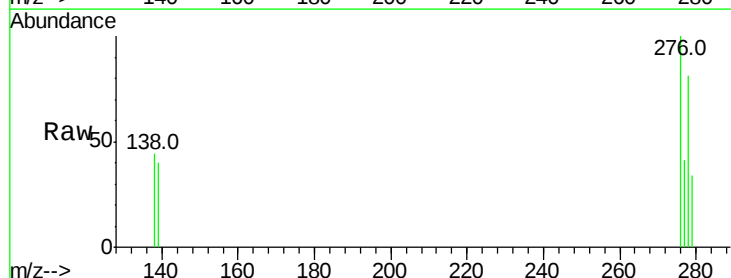
Tgt Ion:276 Resp: 11389

Ion Ratio Lower Upper

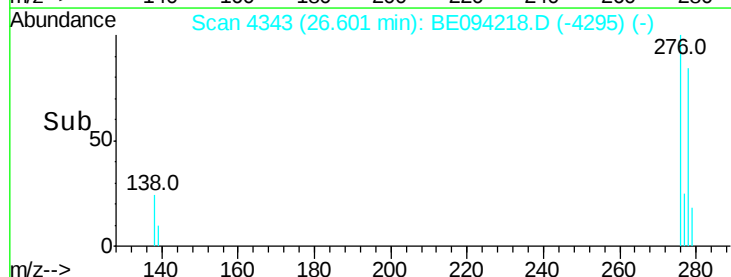
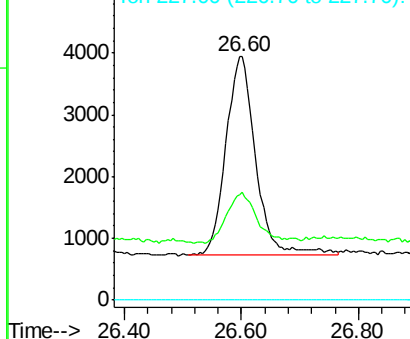
276 100

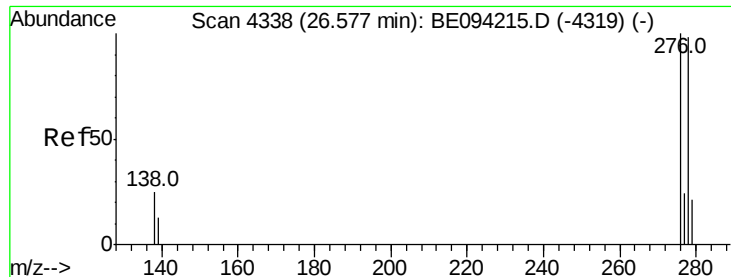
138 25.7 28.0 42.0#

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

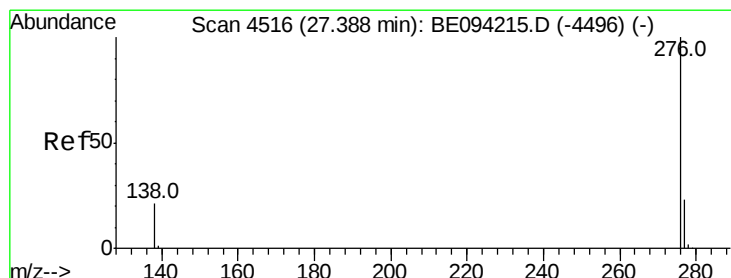
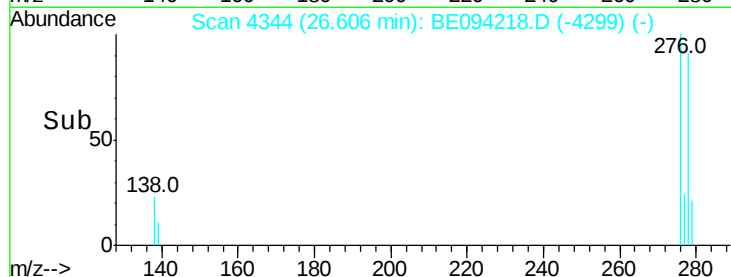
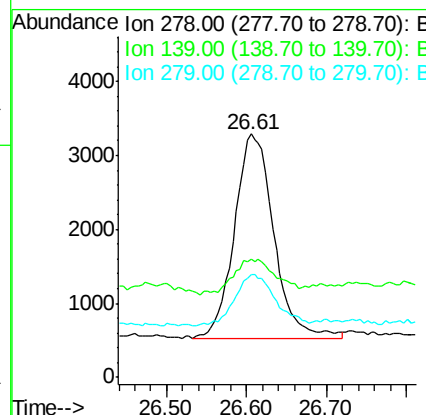
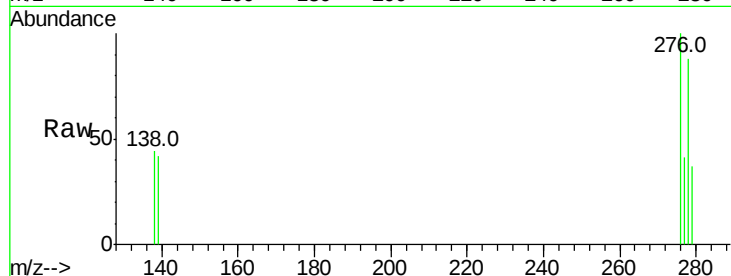




#25
Dibenzo(a,h)anthracene
Concen: 0.436 ng/ul
RT: 26.61 min Scan# 4344
Delta R.T. 0.00 min
Lab File: BE094218.D
Acq: 9 Oct 2017 13:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 9416
Ion Ratio Lower Upper
278 100
139 48.3 17.4 26.0#
279 42.4 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.428 ng/ul
RT: 27.43 min Scan# 4524
Delta R.T. 0.03 min
Lab File: BE094218.D
Acq: 9 Oct 2017 13:08

Tgt Ion:276 Resp: 9513
Ion Ratio Lower Upper
276 100
138 47.9 21.8 32.8#
277 43.5 20.5 30.7#

