

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094340.D
 Acq On : 14 Oct 2017 1:31
 Operator : SJ/JU
 Sample : I5649-05MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 04:03:08 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 03:57:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1710	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	8987	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5403	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.27
16) Chrysene-d12	21.44	240	10184	0.40	ng/ul	0.00
20) Perylene-d12	23.82	264	644170	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	4434	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	9650	0.00	ng/ul	0.00

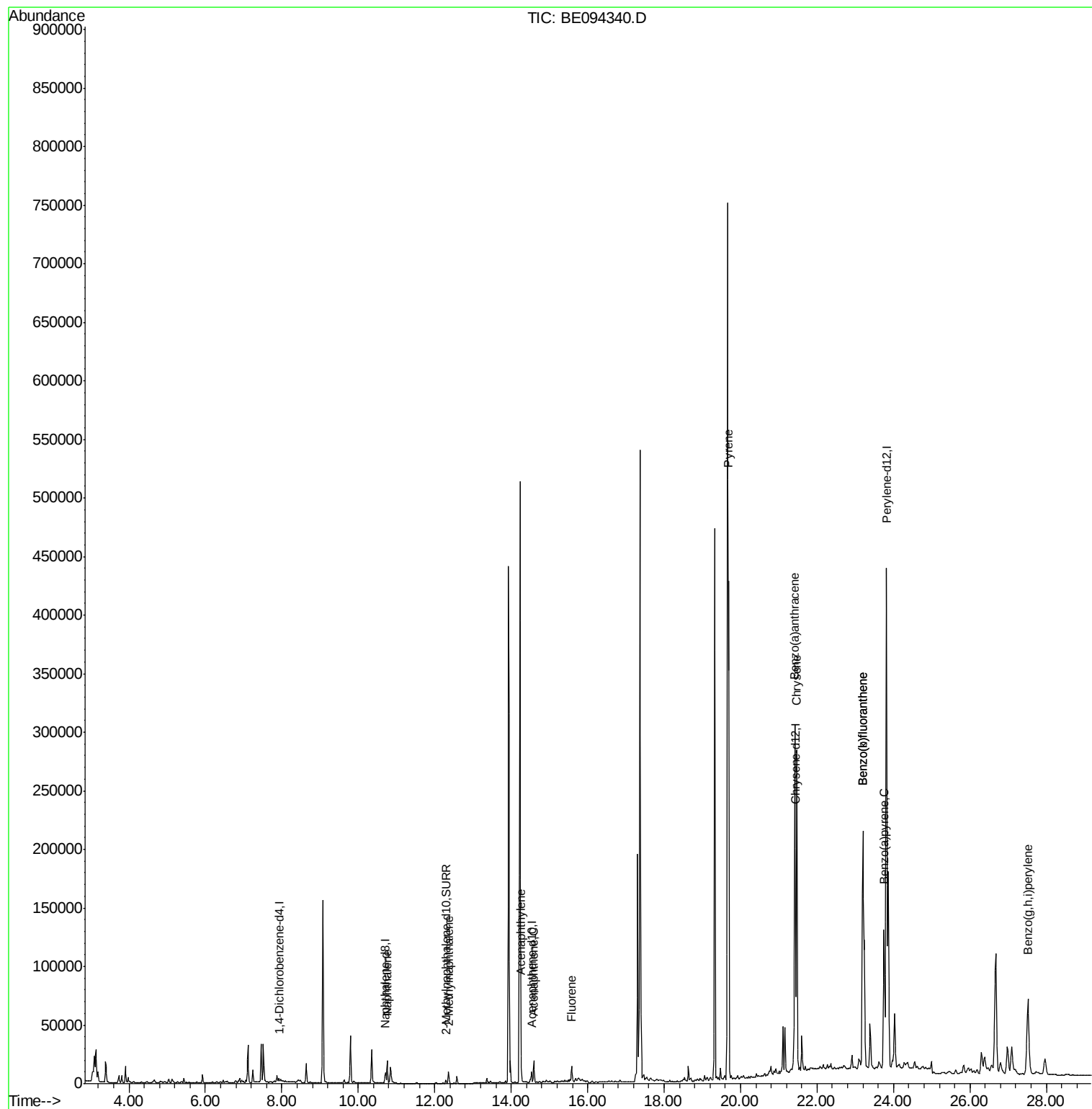
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.76	128	29714	1.350	ng/ul#	92
5) 2-Methylnaphthalene	12.37	142	8679	0.608	ng/ul	98
7) Acenaphthylene	14.26	152	21904	1.040	ng/ul	97
8) Acenaphthene	14.59	153	11811	0.681	ng/ul	97
9) Fluorene	15.58	166	9369	0.461	ng/ul	95
17) Pyrene	19.69	202	501182	17.687	ng/ul#	83
18) Benzo(a)anthracene	21.42	228	279684	10.352	ng/ul#	87
19) Chrysene	21.47	228	283931	9.100	ng/ul	98
21) Benzo(b)fluoranthene	23.20	252	375394	0.215	ng/ul	88
22) Benzo(k)fluoranthene	23.20	252	355129	0.176	ng/ul#	90
23) Benzo(a)pyrene	23.75	252	190249	0.105	ng/ul#	87
26) Benzo(g,h,i)perylene	27.52	276	102078	0.064	ng/ul	98

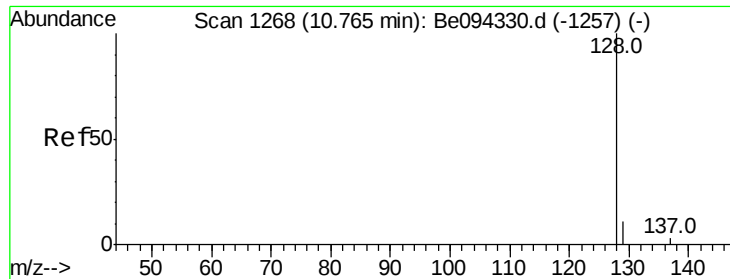
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.350 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

Instrument :

BNA_E

ClientSampleId :

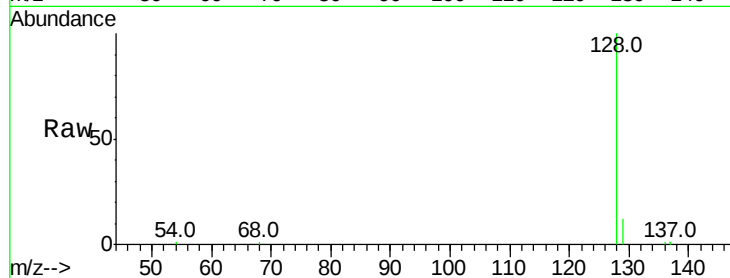
Tot Ion:128 Resp: 29714

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

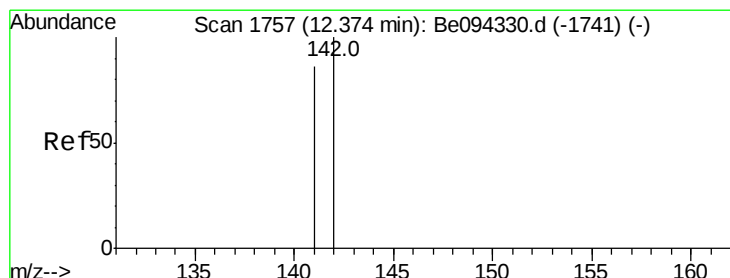
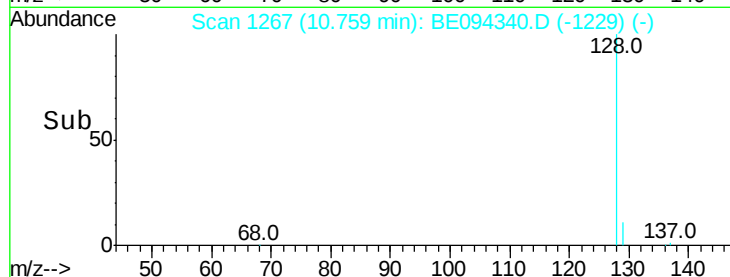
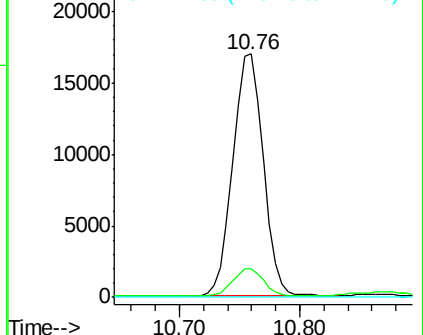
127 0.0 4.0 6.0#



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: 0.608 ng/ul

RT: 12.37 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BE094340.D

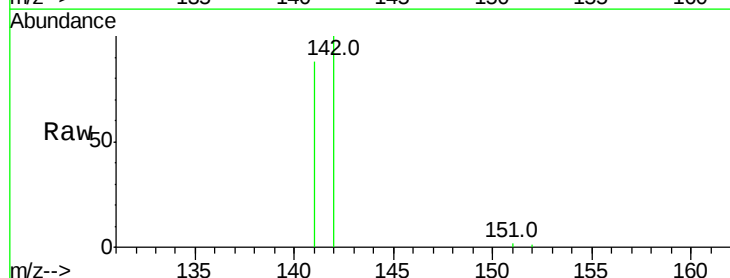
Acq: 14 Oct 2017 1:31

Tgt Ion:142 Resp: 8679

Ion Ratio Lower Upper

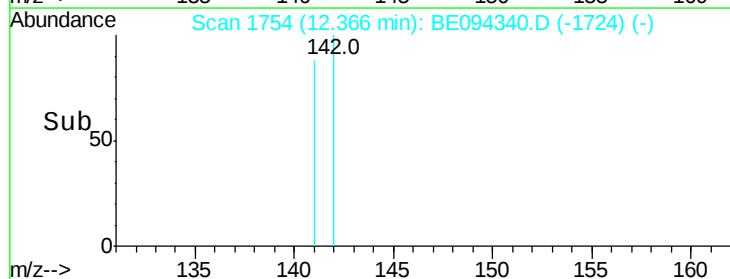
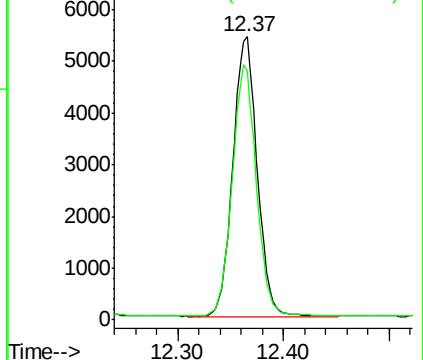
142 100

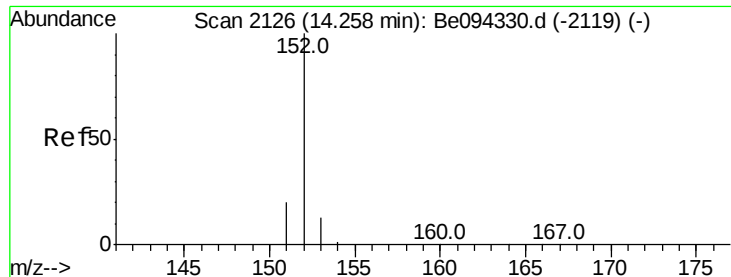
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.040 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

Instrument :

BNA_E

ClientSampleId :

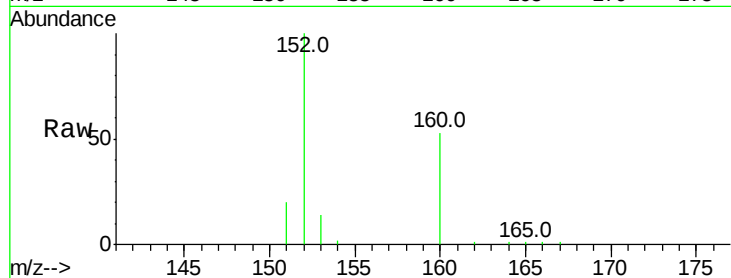
Tot Ion:152 Resp: 21904

Ion Ratio Lower Upper

152 100

151 20.2 17.1 25.7

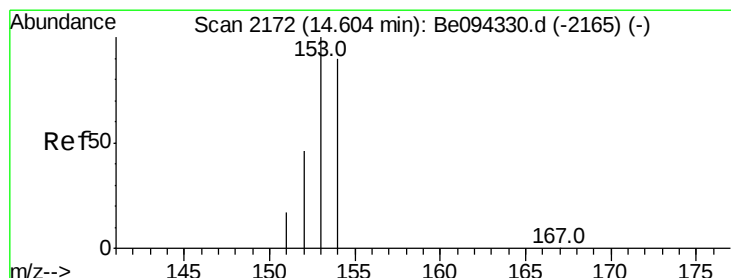
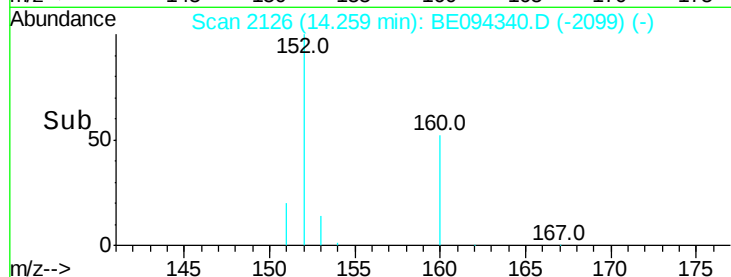
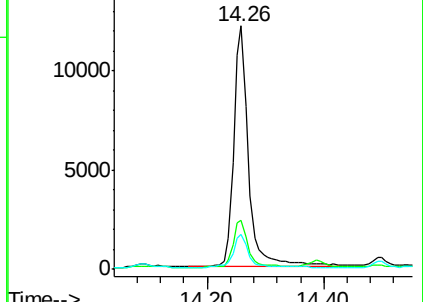
153 14.5 12.8 19.2



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: 0.681 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

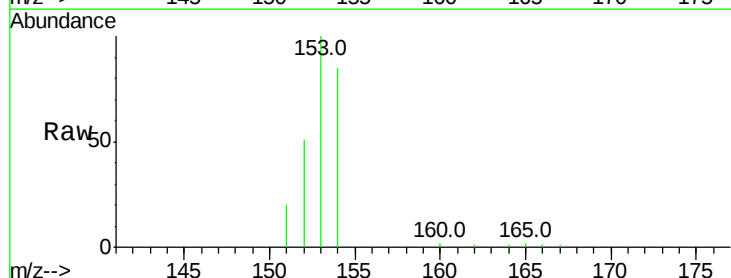
Tgt Ion:153 Resp: 11811

Ion Ratio Lower Upper

153 100

152 51.0 40.3 60.5

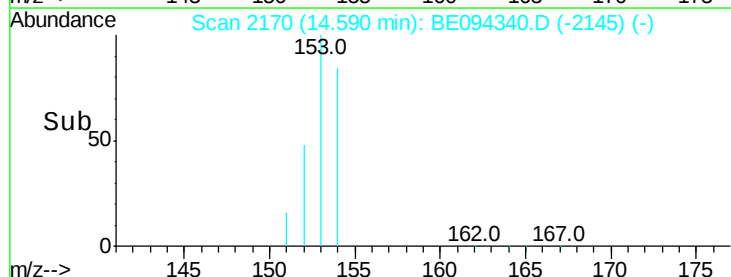
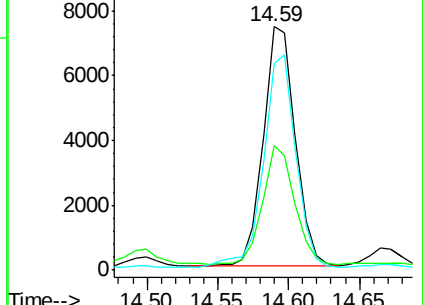
154 84.9 71.4 107.2

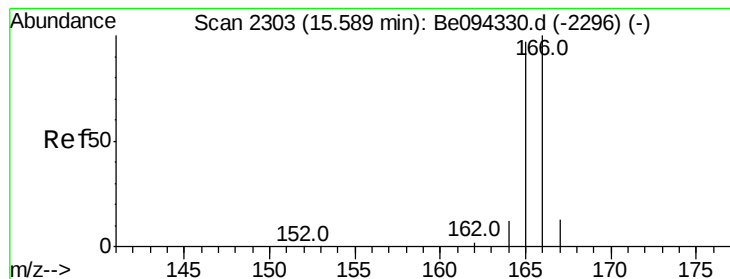


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.461 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

Instrument :

BNA_E

ClientSampleId :

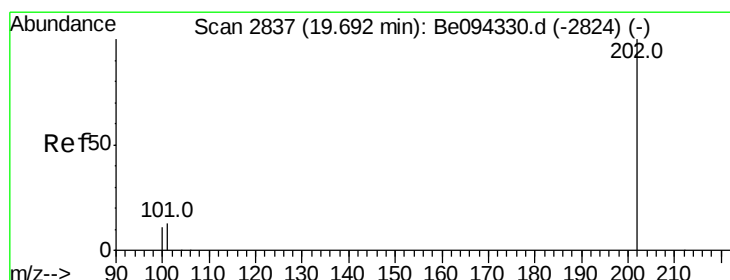
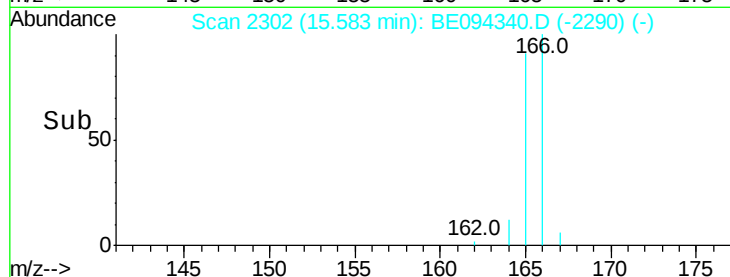
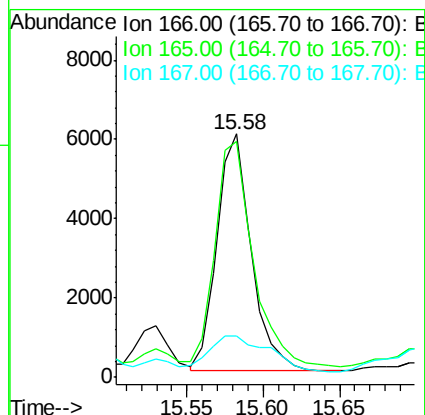
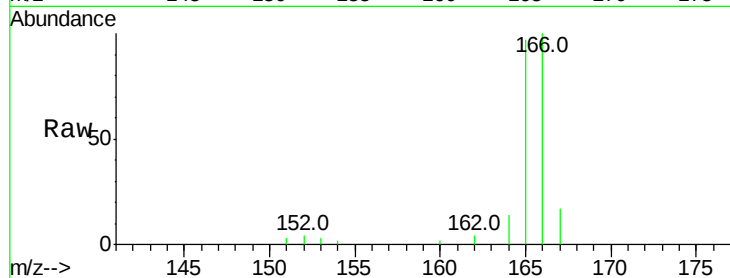
Tot Ion:166 Resp: 9369

Ion Ratio Lower Upper

166 100

165 97.0 73.4 110.2

167 17.0 14.6 22.0



#17

Pyrene

Concen: 17.687 ng/ul

RT: 19.69 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

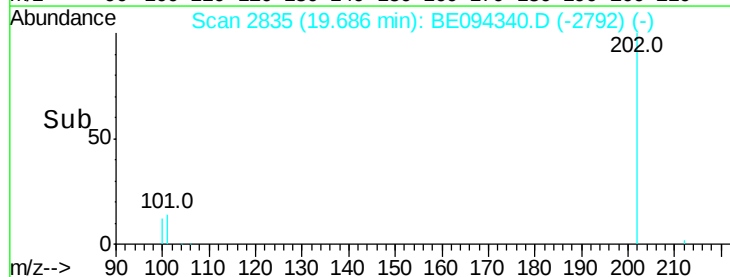
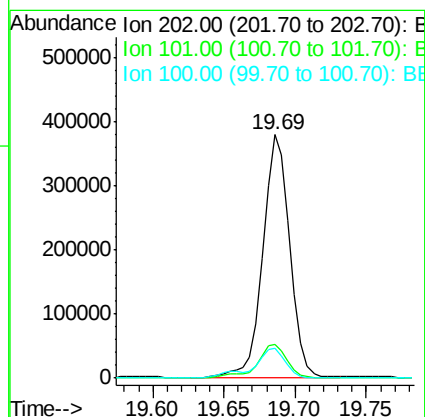
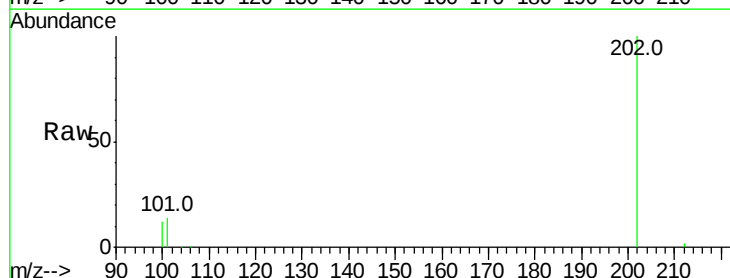
Tgt Ion:202 Resp: 501182

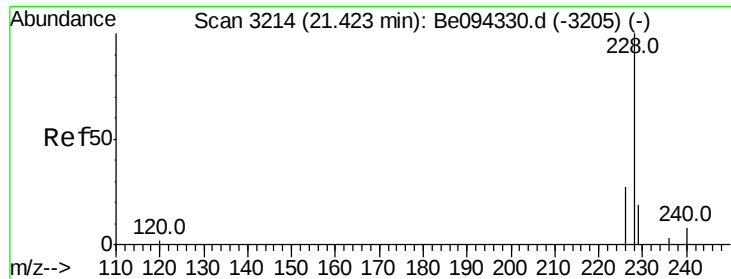
Ion Ratio Lower Upper

202 100

101 14.0 18.2 27.4#

100 12.0 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 10.352 ng/ul

RT: 21.42 min Scan# 3212

Delta R.T. -0.01 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

Instrument :

BNA_E

ClientSampleId :

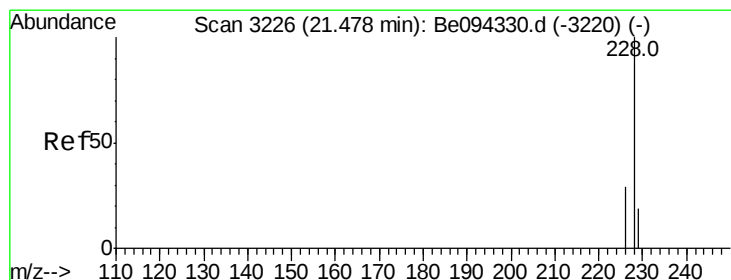
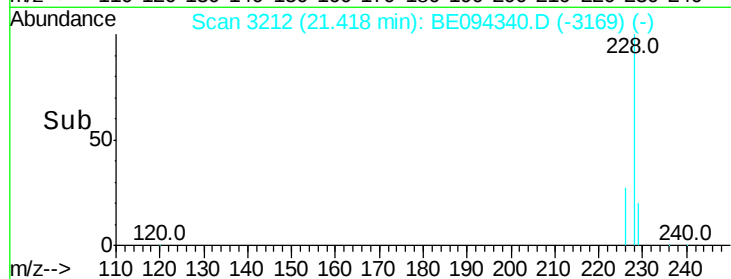
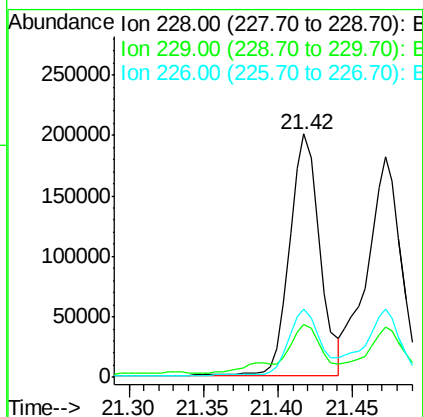
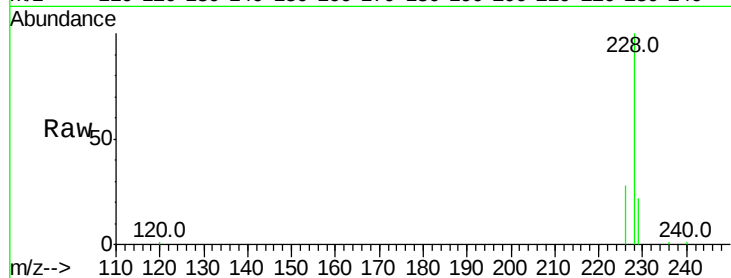
Tot Ion:228 Resp: 279684

Ion Ratio Lower Upper

228 100

229 21.7 22.8 34.2#

226 27.9 17.0 25.6#



#19

Chrysene

Concen: 9.100 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

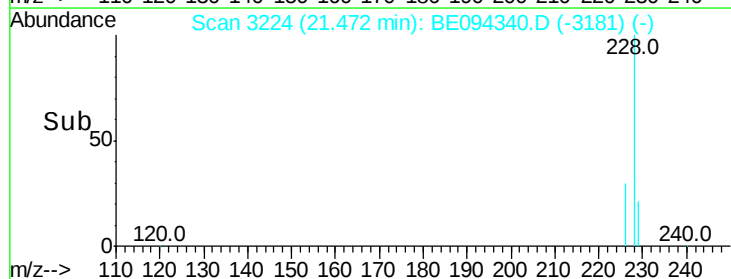
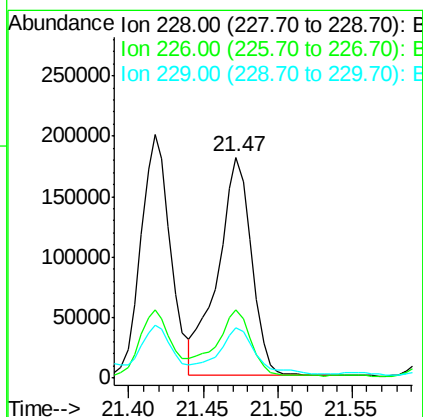
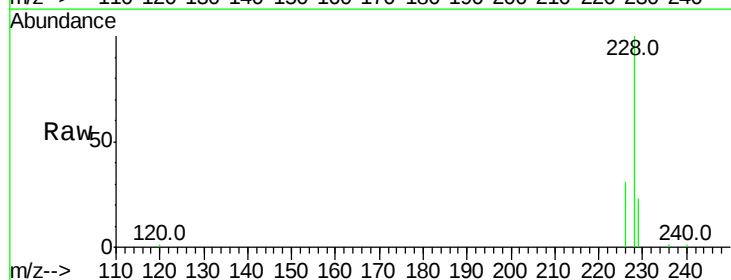
Tgt Ion:228 Resp: 283931

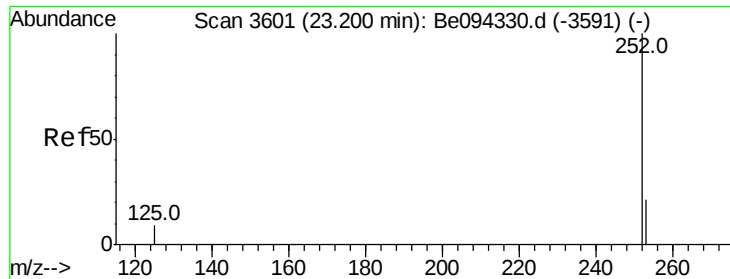
Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

229 22.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.215 ng/u1

RT: 23.20 min Scan# 3600

Delta R.T. -0.00 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

Instrument :

BNA_E

ClientSampleId :

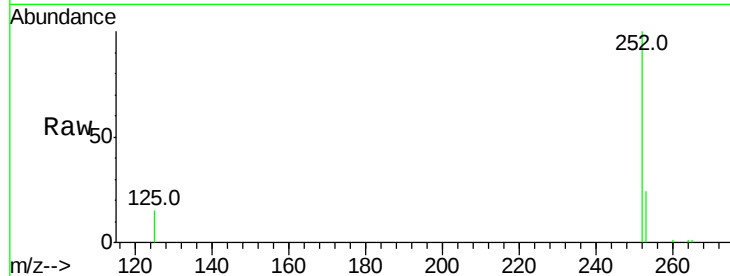
Tot Ion:252 Resp: 375394

Ion Ratio Lower Upper

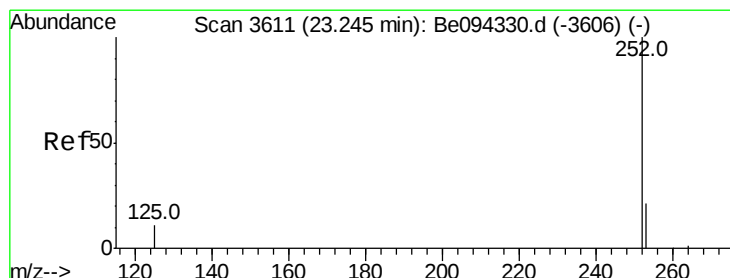
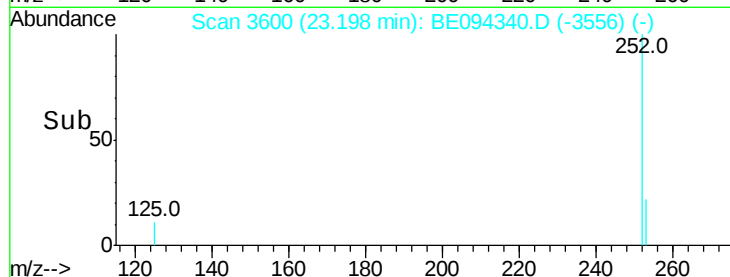
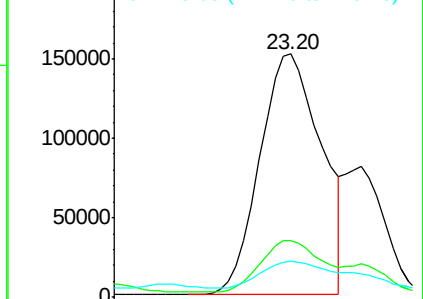
252 100

253 23.6 0.0 64.2

125 14.9 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: 0.176 ng/u1

RT: 23.20 min Scan# 3600

Delta R.T. -0.05 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

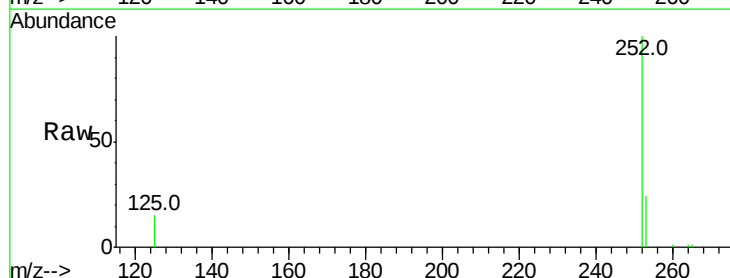
Tgt Ion:252 Resp: 355129

Ion Ratio Lower Upper

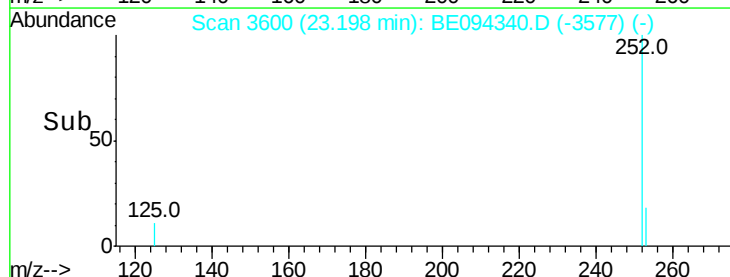
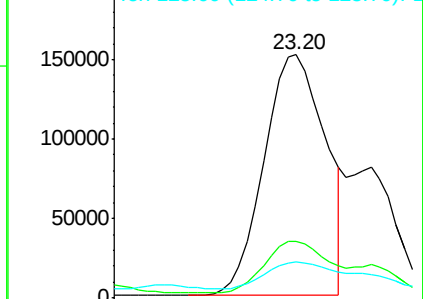
252 100

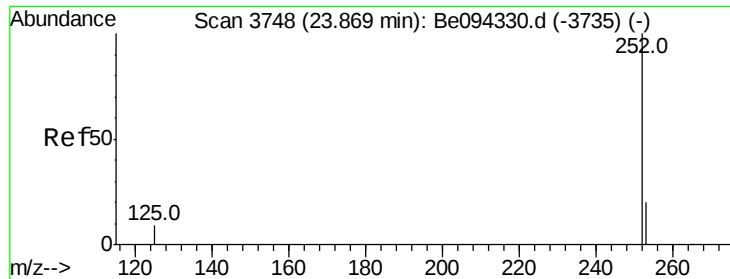
253 23.6 24.5 36.7#

125 14.9 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: 0.105 ng/ul

RT: 23.75 min Scan# 3721

Delta R.T. -0.12 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

Instrument :

BNA_E

ClientSampleId :

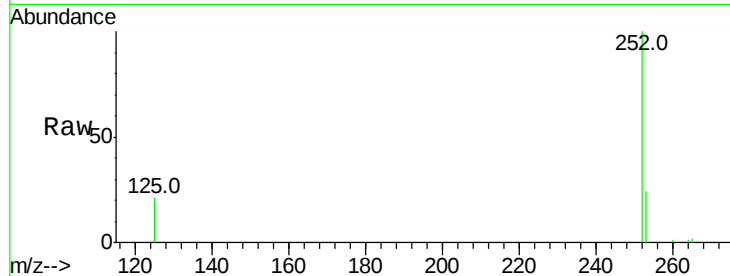
Tot Ion:252 Resp: 190249

Ion Ratio Lower Upper

252 100

253 24.0 28.5 42.7#

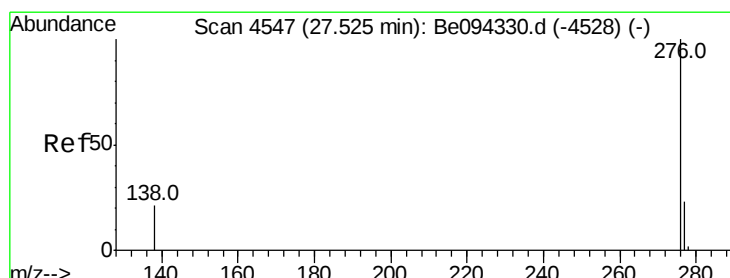
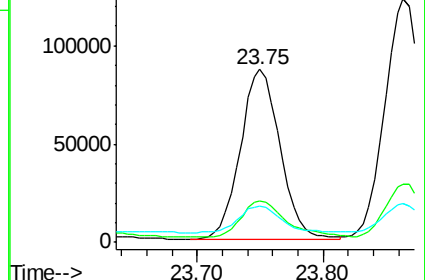
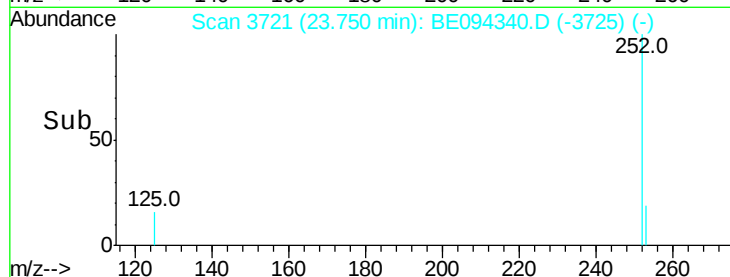
125 20.9 18.1 27.1



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



#26

Benzo(g,h,i)perylene

Concen: 0.064 ng/ul

RT: 27.52 min Scan# 4545

Delta R.T. -0.01 min

Lab File: BE094340.D

Acq: 14 Oct 2017 1:31

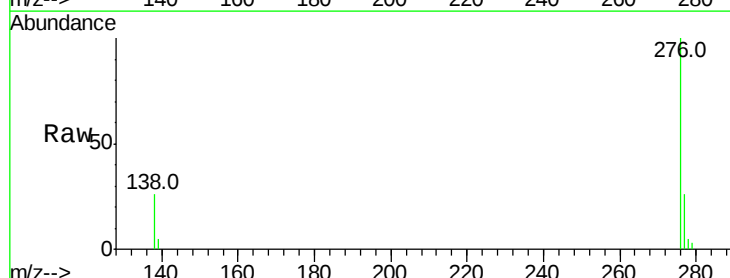
Tgt Ion:276 Resp: 102078

Ion Ratio Lower Upper

276 100

138 25.9 21.8 32.8

277 26.1 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

