

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094720.D
 Acq On : 3 Nov 2017 22:42
 Operator : SJ/JU
 Sample : I5902-05 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-65(0.5-1.5)-101317

Quant Time: Nov 04 01:16:21 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 01:15:30 2017
 Response via : Initial Calibration

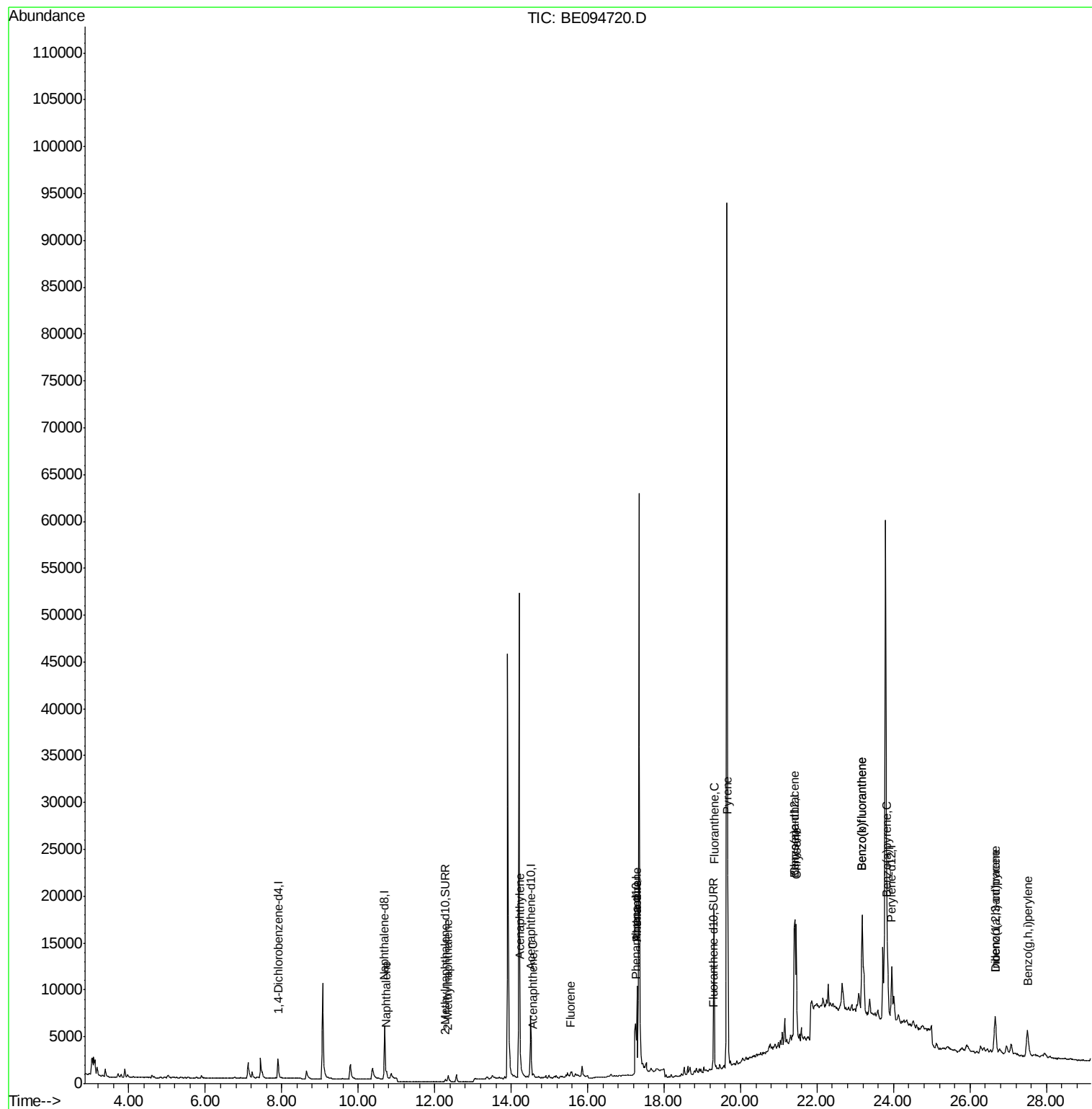
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1366	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7682	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4367	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9510	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	9276	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	9521	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	498	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1187	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	965	0.05	ng/ul#	80
5) 2-Methylnaphthalene	12.35	142	850	0.06	ng/ul	97
7) Acenaphthylene	14.24	152	1014	0.05	ng/ul#	85
8) Acenaphthene	14.58	153	301	0.02	ng/ul#	87
9) Fluorene	15.56	166	536	0.03	ng/ul#	80
12) Phenanthrene	17.29	178	11261	0.45	ng/ul#	94
13) Anthracene	17.29	178	11108	0.45	ng/ul	94
15) Fluoranthene	19.30	202	19923	0.69	ng/ul	84
17) Pyrene	19.67	202	22807	0.80	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	10177	0.38	ng/ul#	83
19) Chrysene	21.46	228	15636	0.57	ng/ul#	84
21) Benzo(b)fluoranthene	23.18	252	25930	0.97	ng/ul#	66
22) Benzo(k)fluoranthene	23.18	252	25788	0.90	ng/ul#	64
23) Benzo(a)pyrene	23.84	252	11045	0.41	ng/ul#	51
24) Indeno(1,2,3-cd)pyrene	26.66	276	8466	0.31	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.65	278	2054	0.09	ng/ul#	1
26) Benzo(a,h,i)perylene	27.51	276	7965	0.36	ng/ul#	66

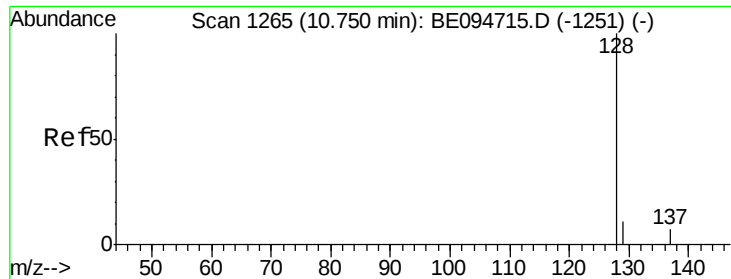
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

Instrument :

BNA_E

ClientSampleId :

B-65(0.5-1.5)-101317

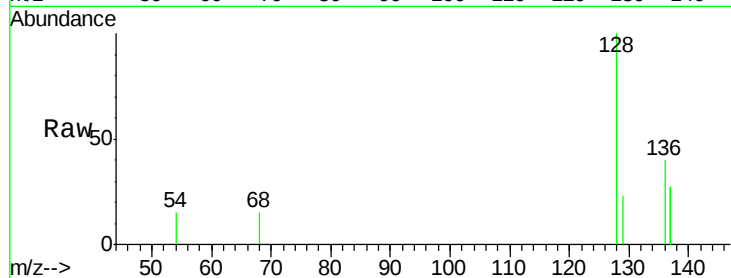
Tot Ion:128 Resp: 965

Ion Ratio Lower Upper

128 100

129 23.2 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

10.74

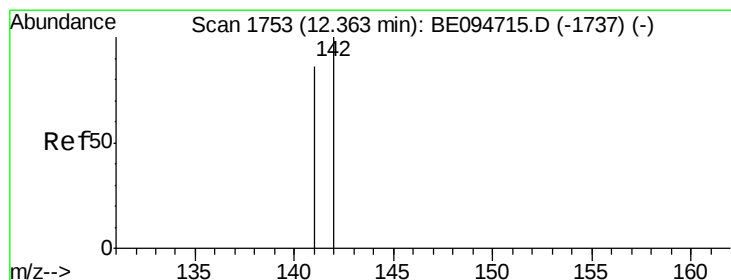
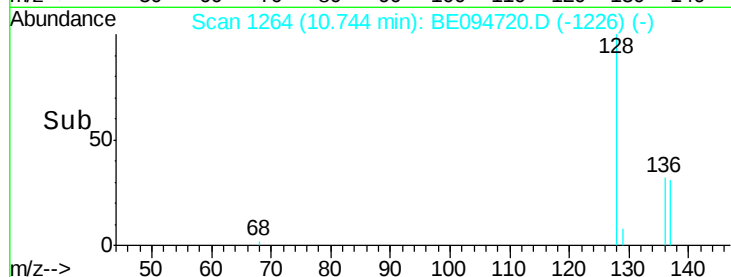
400

200

0

Time-->

10.70 10.80 10.90



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094720.D

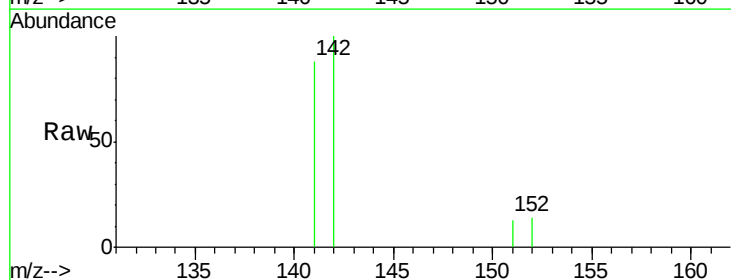
Acq: 3 Nov 2017 22:42

Tgt Ion:142 Resp: 850

Ion Ratio Lower Upper

142 100

141 88.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.35

500

400

300

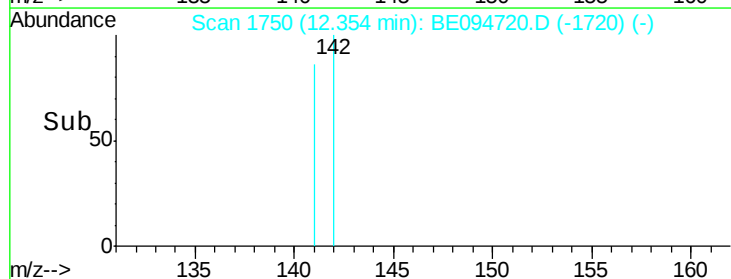
200

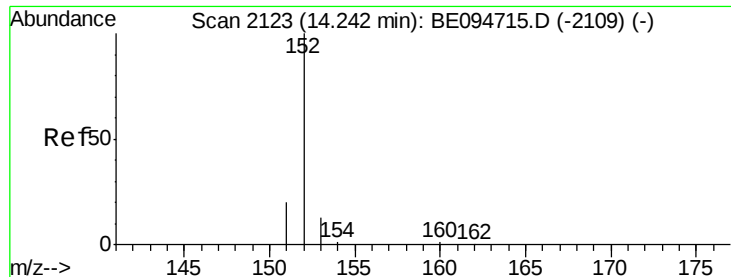
100

0

Time-->

12.30 12.40 12.50





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

Instrument :

BNA_E

ClientSampleId :

B-65(0.5-1.5)-101317

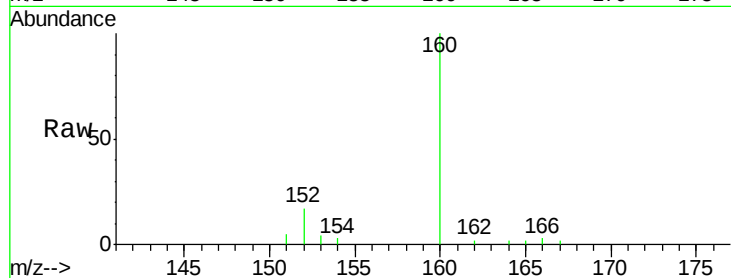
Tot Ion:152 Resp: 1014

Ion Ratio Lower Upper

152 100

151 28.0 17.1 25.7#

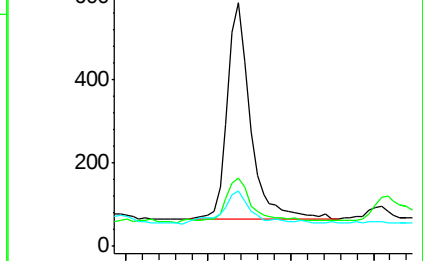
153 22.8 12.8 19.2#



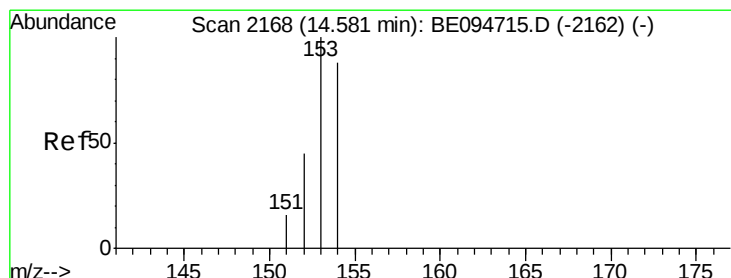
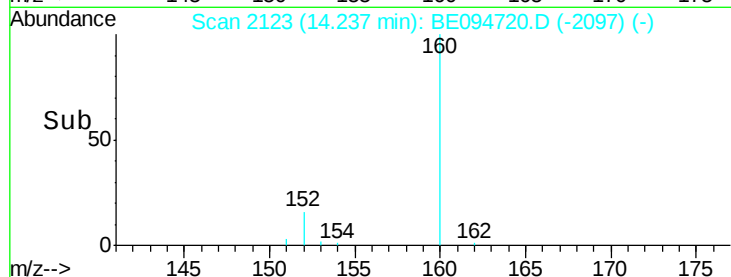
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.02 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

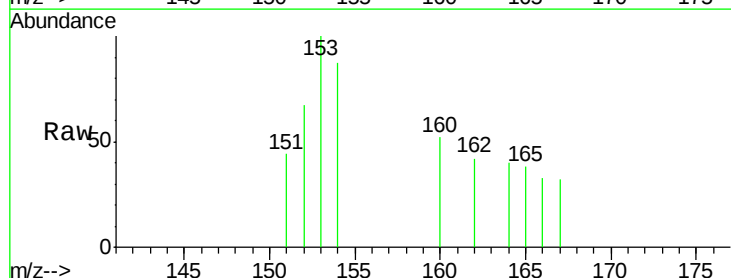
Tgt Ion:153 Resp: 301

Ion Ratio Lower Upper

153 100

152 66.8 36.0 54.0#

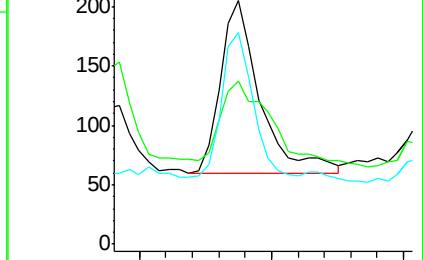
154 86.8 72.0 108.0



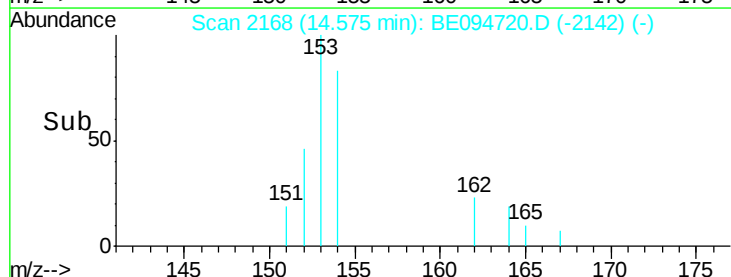
Abundance Ion 153.00 (152.70 to 153.70): E

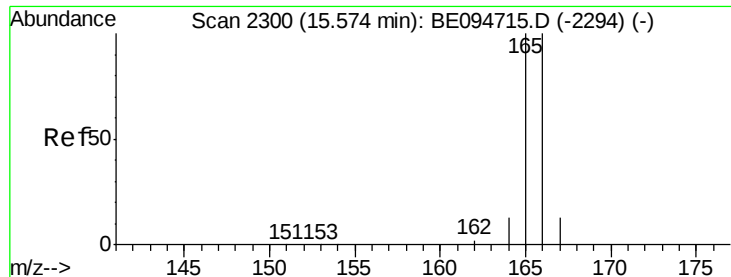
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

Instrument :

BNA_E

ClientSampleId :

B-65(0.5-1.5)-101317

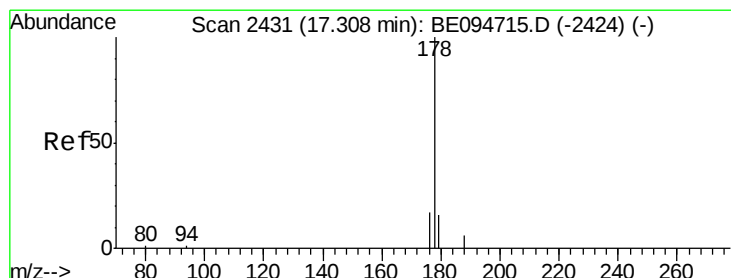
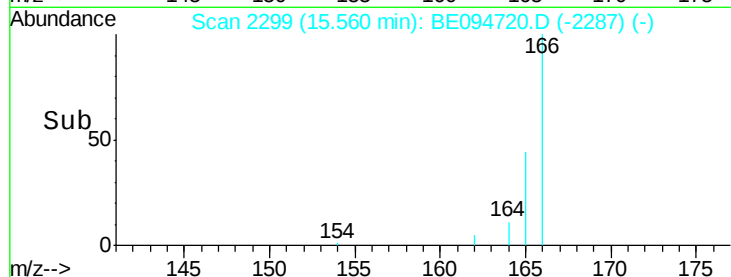
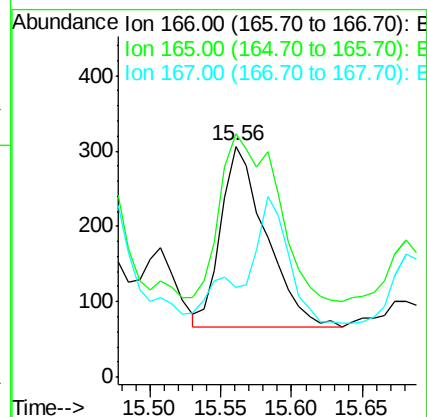
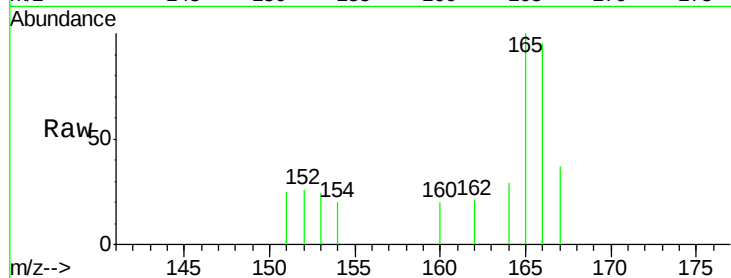
Tot Ion:166 Resp: 536

Ion Ratio Lower Upper

166 100

165 105.6 73.4 110.2

167 38.9 14.6 22.0#



#12

Phenanthrene

Concen: 0.45 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

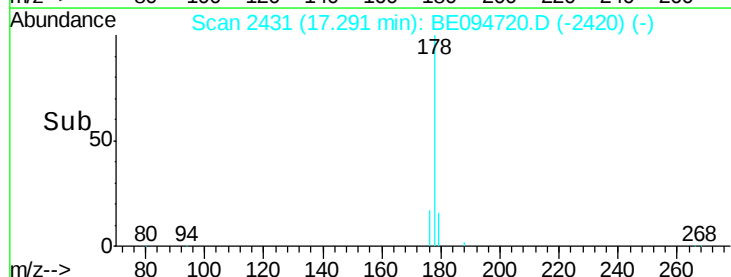
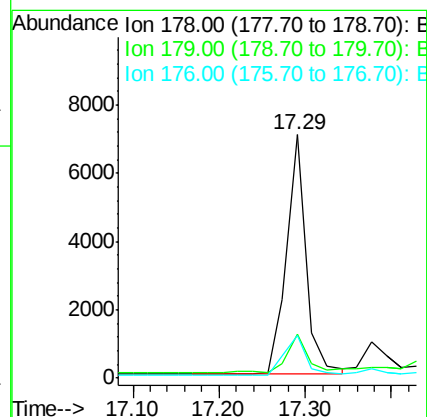
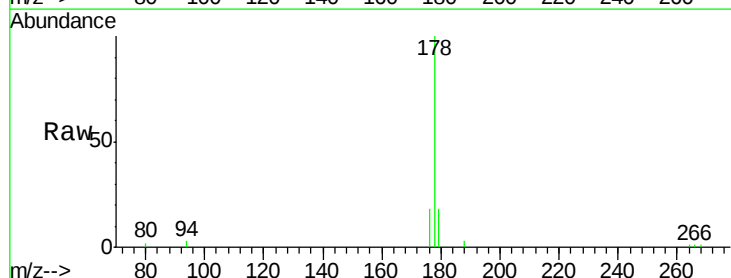
Tgt Ion:178 Resp: 11261

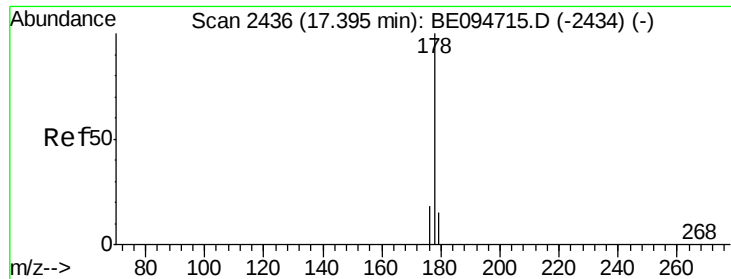
Ion Ratio Lower Upper

178 100

179 18.2 18.4 27.6#

176 17.8 13.6 20.4





#13

Anthracene

Concen: 0.45 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.10 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

Instrument :

BNA_E

ClientSampleId :

B-65(0.5-1.5)-101317

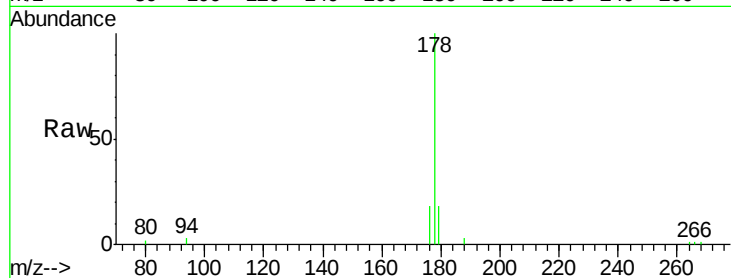
Tot Ion:178 Resp: 11108

Ion Ratio Lower Upper

178 100

179 18.2 18.1 27.1

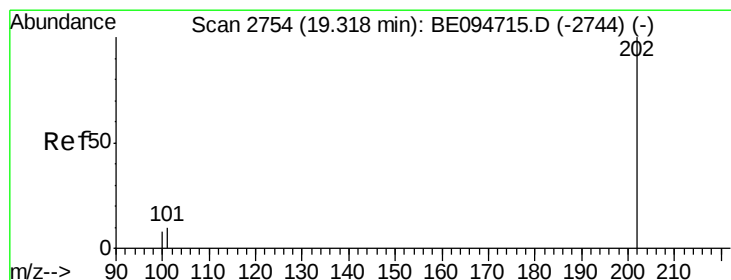
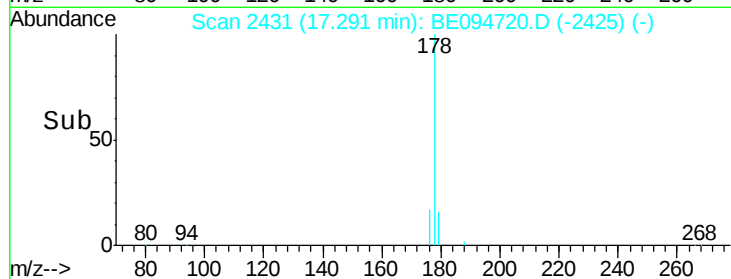
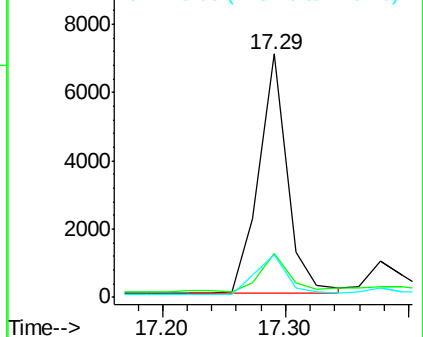
176 17.8 14.7 22.1



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: 0.69 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

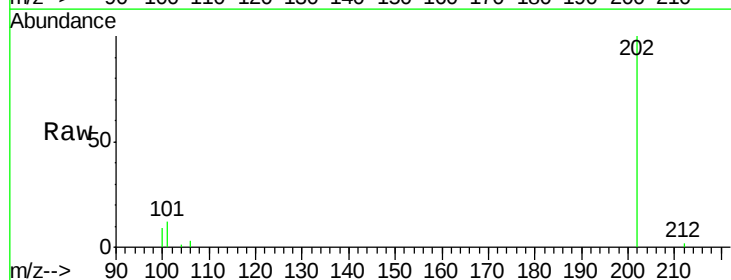
Tgt Ion:202 Resp: 19923

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.3

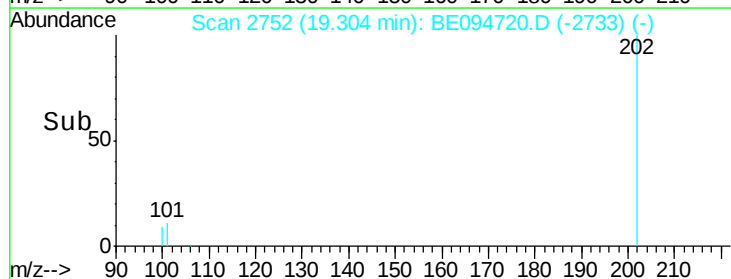
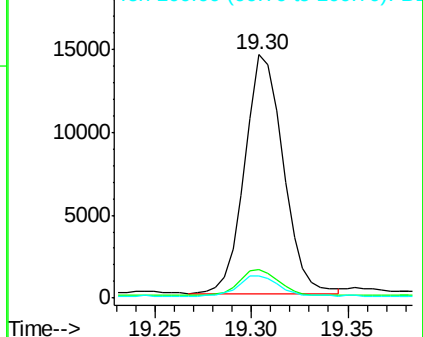
100 9.4 0.0 39.5

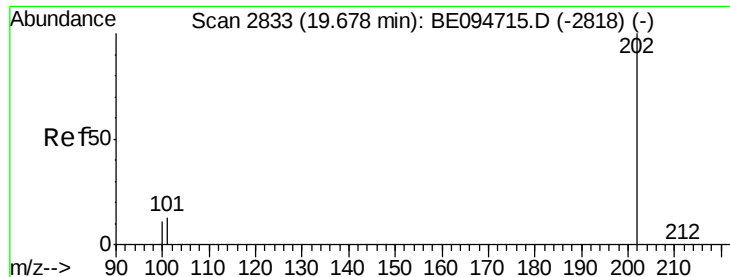


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.80 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

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B-65(0.5-1.5)-101317

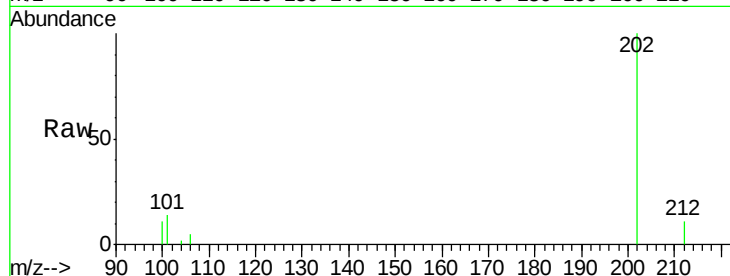
Tot Ion:202 Resp: 22807

Ion Ratio Lower Upper

202 100

101 13.7 18.2 27.4#

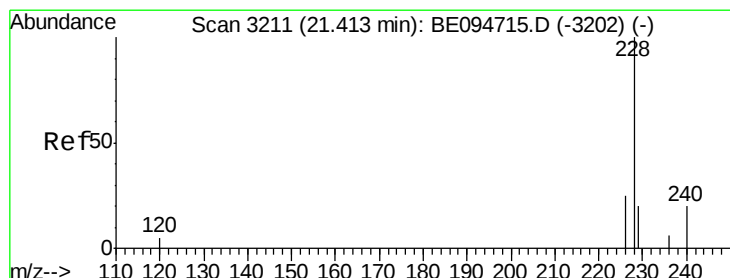
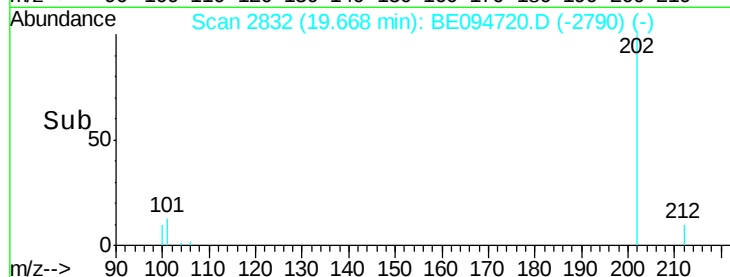
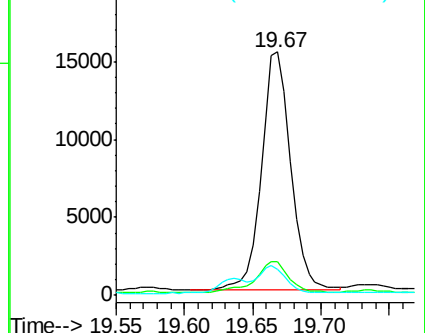
100 10.9 15.6 23.4#



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: 0.38 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

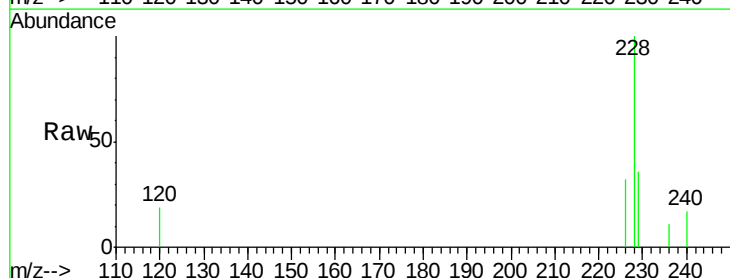
Tgt Ion:228 Resp: 10177

Ion Ratio Lower Upper

228 100

229 35.7 22.8 34.2#

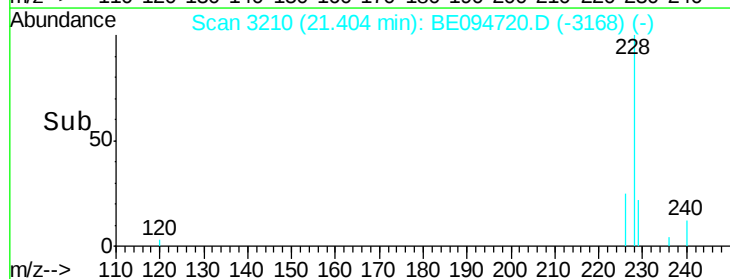
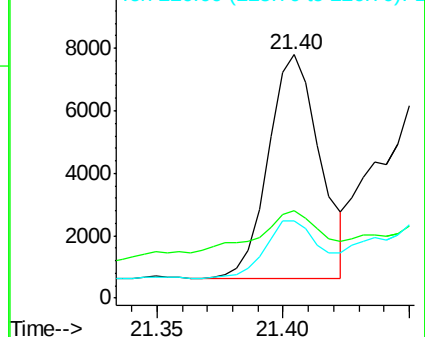
226 31.8 17.0 25.6#

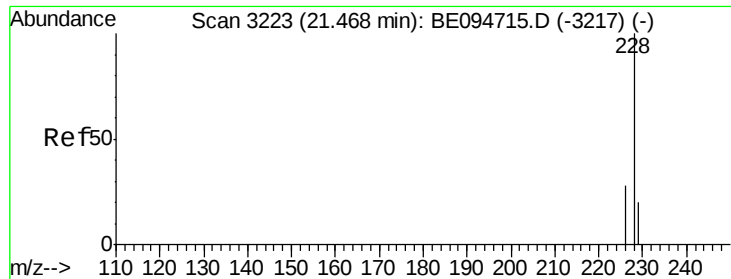


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.57 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

Instrument :

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B-65(0.5-1.5)-101317

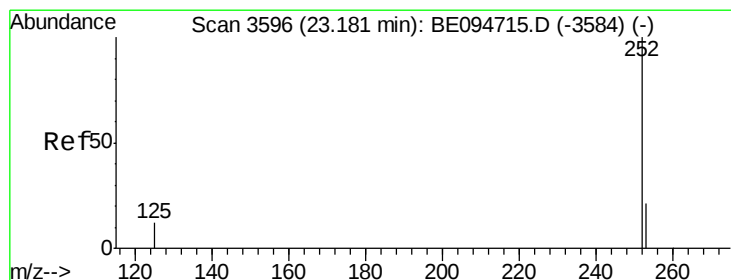
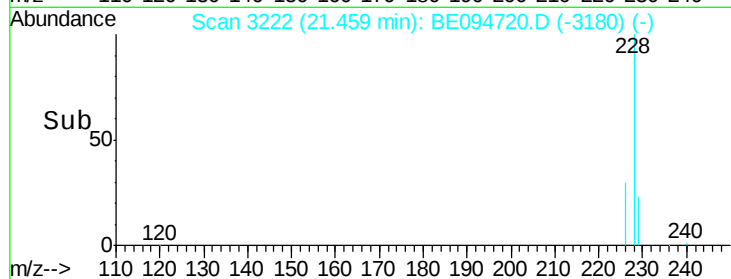
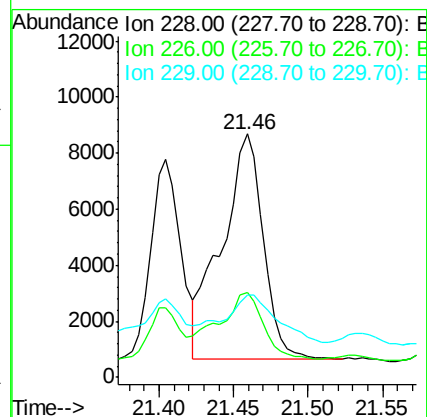
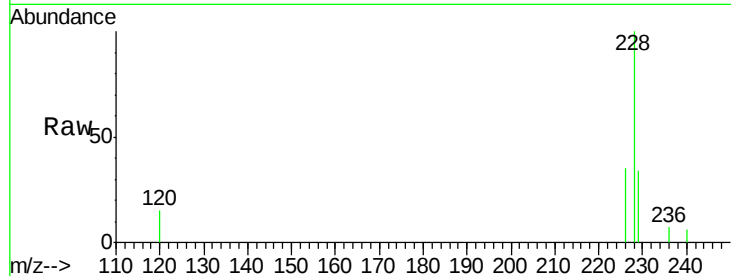
Tot Ion:228 Resp: 15636

Ion Ratio Lower Upper

228 100

226 34.8 23.4 35.0

229 33.7 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.97 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

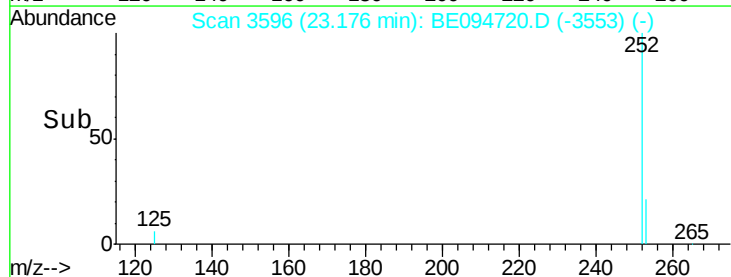
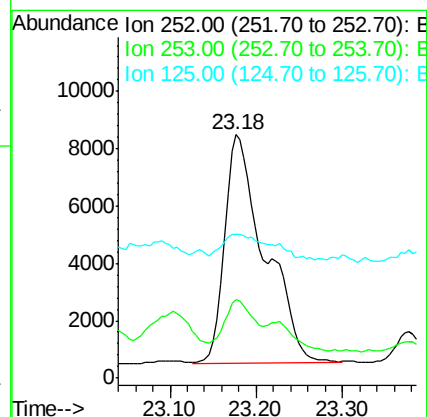
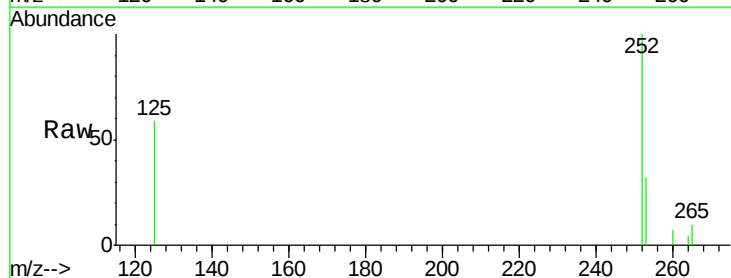
Tgt Ion:252 Resp: 25930

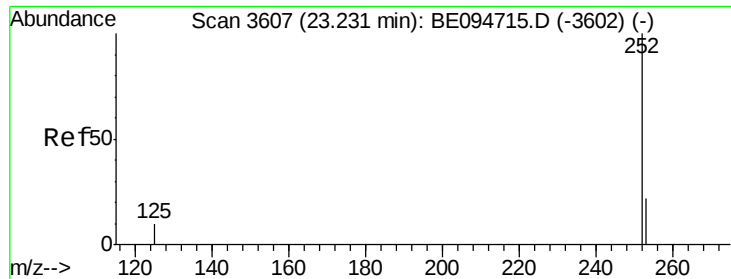
Ion Ratio Lower Upper

252 100

253 32.0 0.0 64.2

125 59.1 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.90 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

Instrument :

BNA_E

ClientSampleId :

B-65(0.5-1.5)-101317

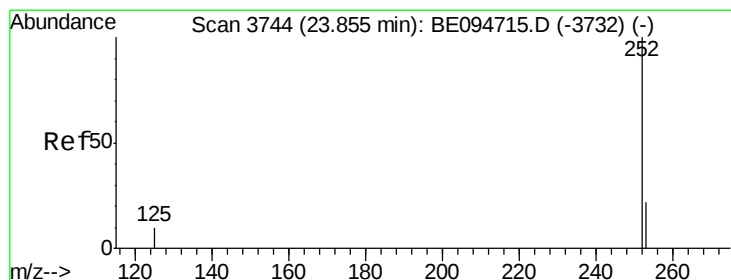
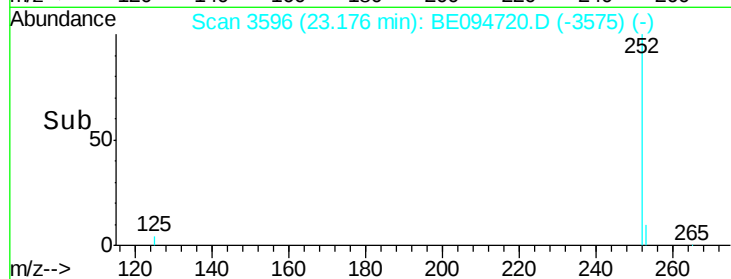
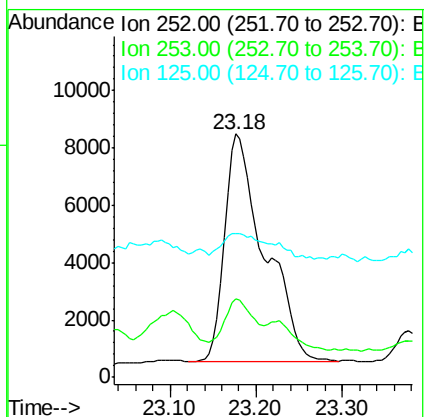
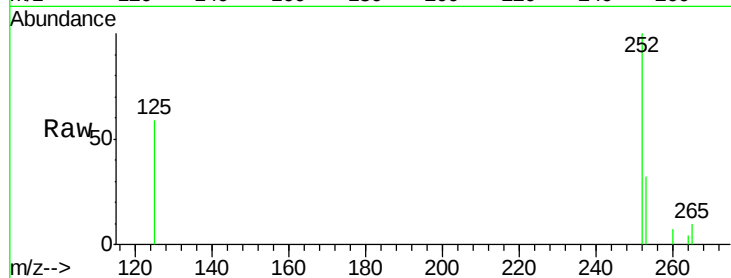
Tot Ion:252 Resp: 25788

Ion Ratio Lower Upper

252 100

253 32.0 24.5 36.7

125 59.1 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.84 min Scan# 3742

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

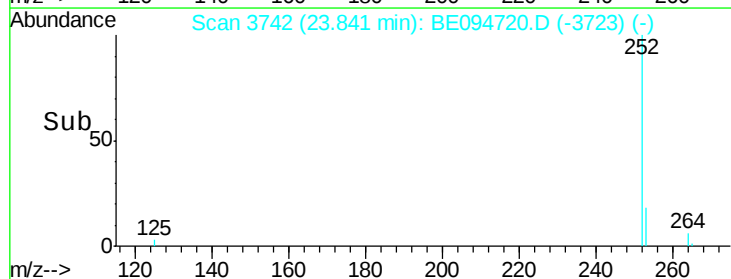
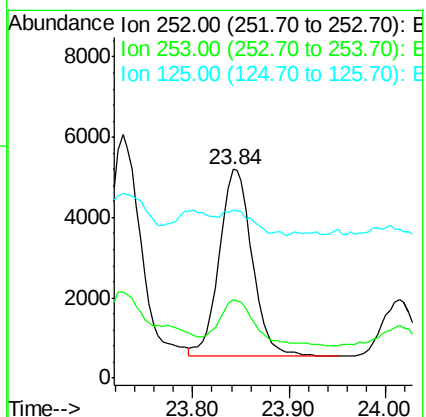
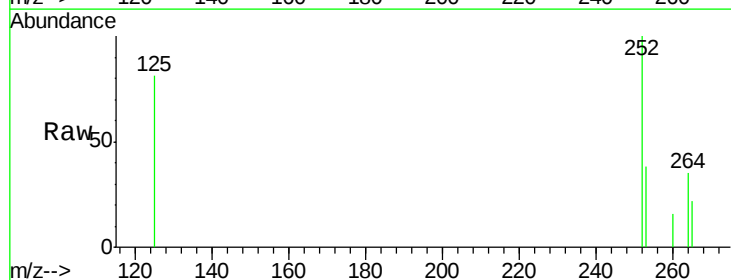
Tgt Ion:252 Resp: 11045

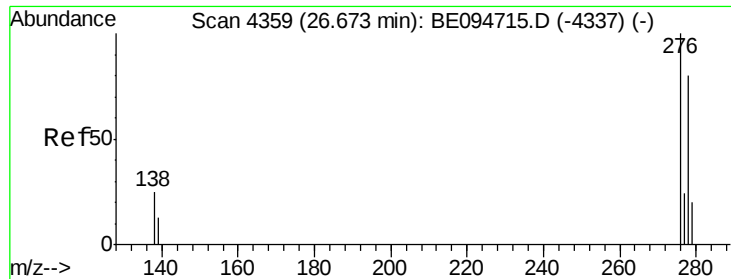
Ion Ratio Lower Upper

252 100

253 37.9 28.5 42.7

125 80.6 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.31 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

Instrument :

BNA_E

ClientSampleId :

B-65(0.5-1.5)-101317

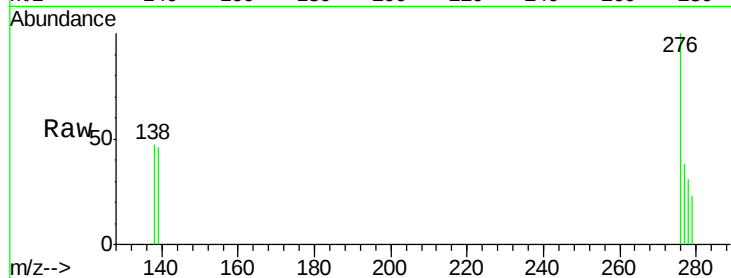
Tot Ion:276 Resp: 8466

Ion Ratio Lower Upper

276 100

138 20.3 28.0 42.0#

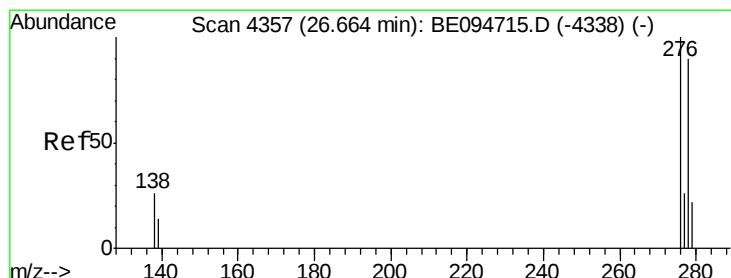
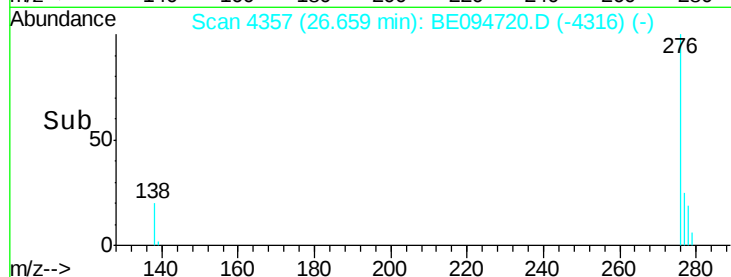
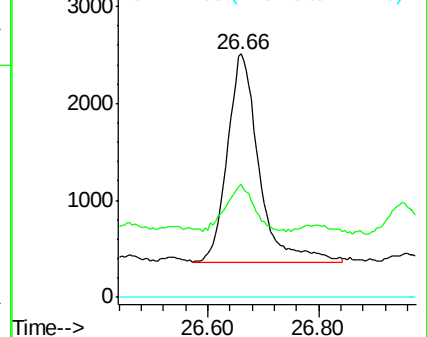
227 0.0 8.0 12.0#



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: 0.09 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. -0.01 min

Lab File: BE094720.D

Acq: 3 Nov 2017 22:42

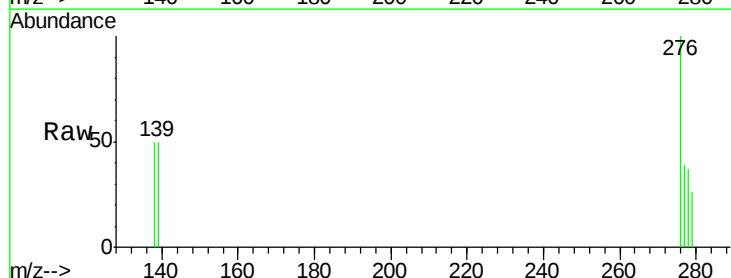
Tgt Ion:278 Resp: 2054

Ion Ratio Lower Upper

278 100

139 137.5 17.4 26.0#

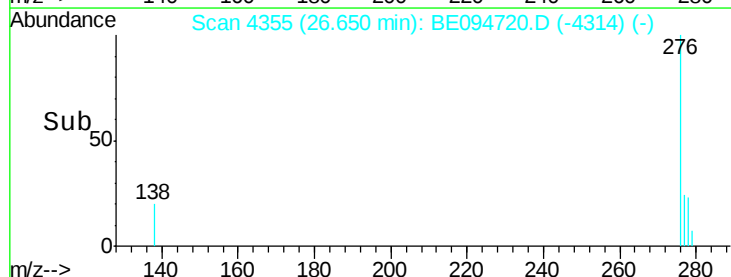
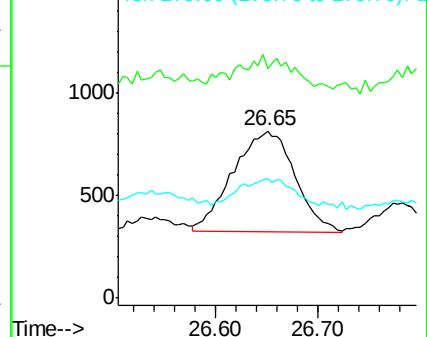
279 71.6 25.9 38.9#

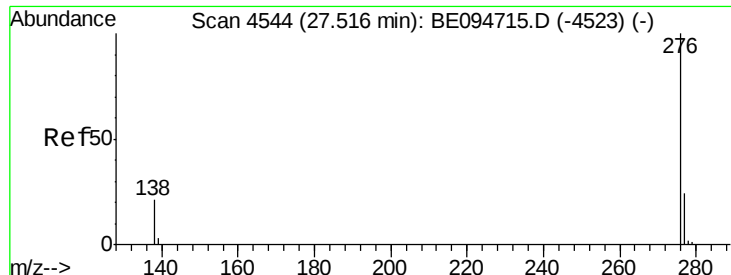


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.36 ng/ul

RT: 27.51 min Scan# 4543

Delta R.T. -0.01 min

Lab File: BE094720.D

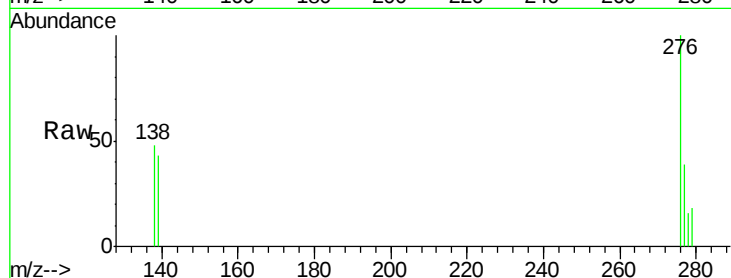
Acq: 3 Nov 2017 22:42

Instrument :

BNA_E

ClientSampleId :

B-65(0.5-1.5)-101317



Tot Ion: 276 Resp: 7965

Ion Ratio Lower Upper

276 100

138 48.3 21.8 32.8#

277 39.0 20.5 30.7#

