

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094346.D
 Acq On : 14 Oct 2017 5:11
 Operator : SJ/JU
 Sample : I5649-01DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 22:13:13 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 05:22:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1633	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	8441	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	4685	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9883	0.40	ng/ul	-0.02
16) Chrysene-d12	21.44	240	9908	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	10024	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1096	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	2791	0.08	ng/ul	0.00

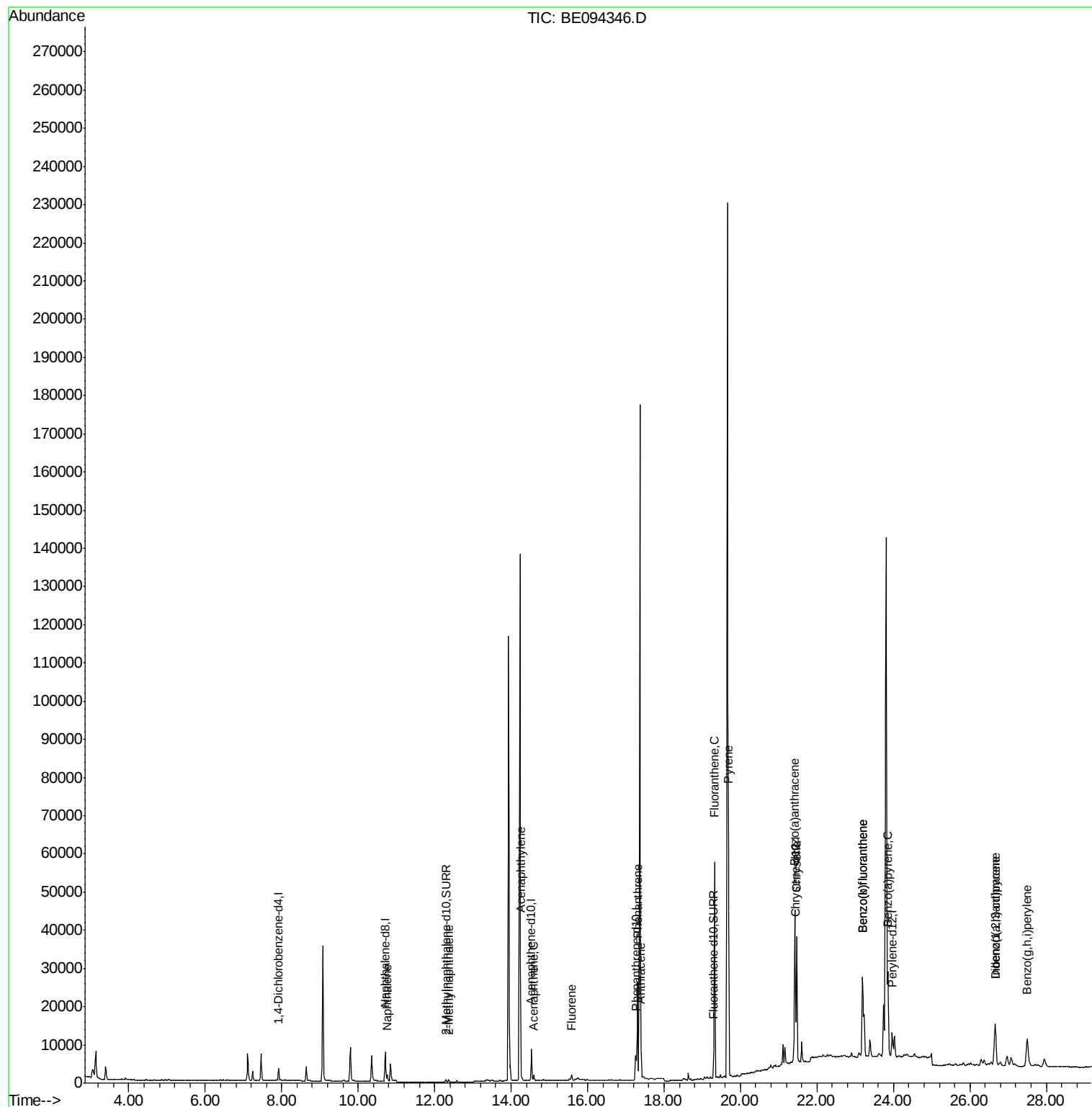
Target Compounds						Ovalue
3) Naphthalene	10.76	128	2514	0.122	ng/ul#	95
5) 2-Methylnaphthalene	12.37	142	716	0.053	ng/ul	98
7) Acenaphthylene	14.25	152	1311	0.072	ng/ul#	82
8) Acenaphthene	14.59	153	1007	0.067	ng/ul	97
9) Fluorene	15.58	166	1031	0.059	ng/ul#	91
12) Phenanthrene	17.31	178	31383	1.215	ng/ul#	93
13) Anthracene	17.40	178	7537	0.300	ng/ul	94
15) Fluoranthene	19.32	202	61403	1.809	ng/ul	84
17) Pyrene	19.68	202	66480	2.412	ng/ul#	84
18) Benzo(a)anthracene	21.42	228	35573	1.353	ng/ul#	89
19) Chrysene	21.47	228	33830	1.115	ng/ul	93
21) Benzo(b)fluoranthene	23.19	252	52199	1.917	ng/ul	89
22) Benzo(k)fluoranthene	23.19	252	52141	1.657	ng/ul#	91
23) Benzo(a)pyrene	23.85	252	33272	1.176	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.66	276	20024	0.692	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.66	278	4796	0.198	ng/ul#	30
26) Benzo(a,h,i)perylene	27.49	276	18573	0.744	ng/ul#	84

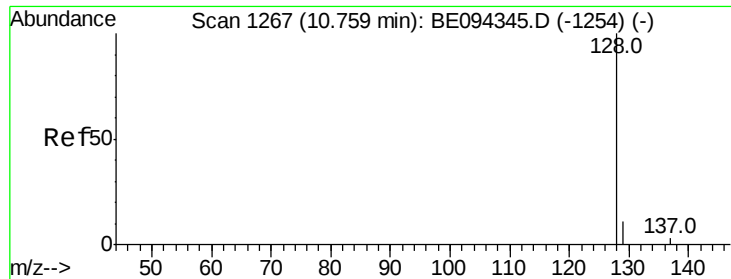
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.122 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

Instrument :

BNA_E

ClientSampleId :

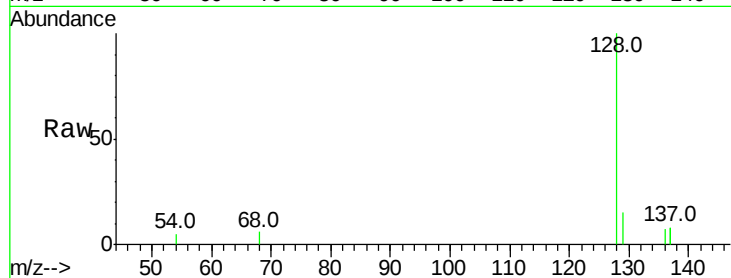
Tot Ion:128 Resp: 2514

Ion Ratio Lower Upper

128 100

129 14.6 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

10.76

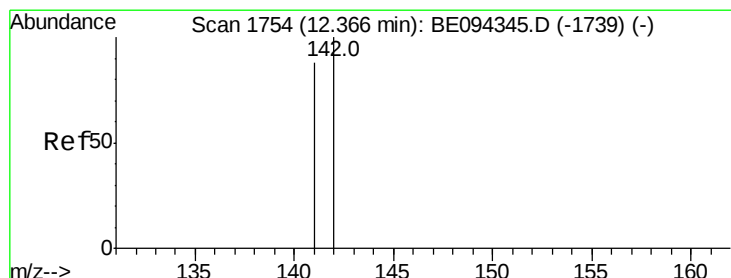
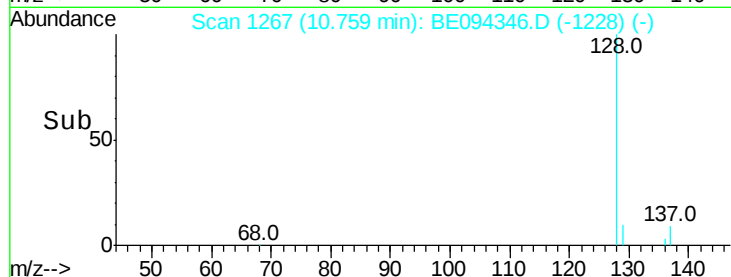
1500

1000

500

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.053 ng/ul

RT: 12.37 min Scan# 1754

Delta R.T. -0.00 min

Lab File: BE094346.D

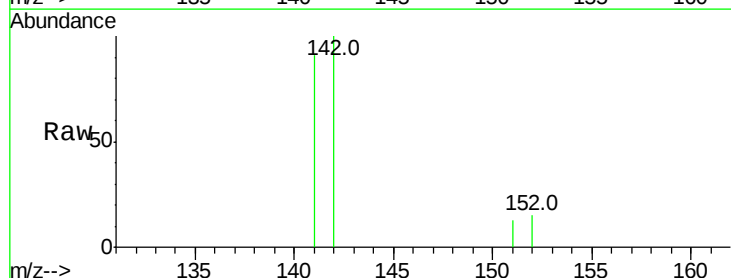
Acq: 14 Oct 2017 5:11

Tgt Ion:142 Resp: 716

Ion Ratio Lower Upper

142 100

141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.37

500

400

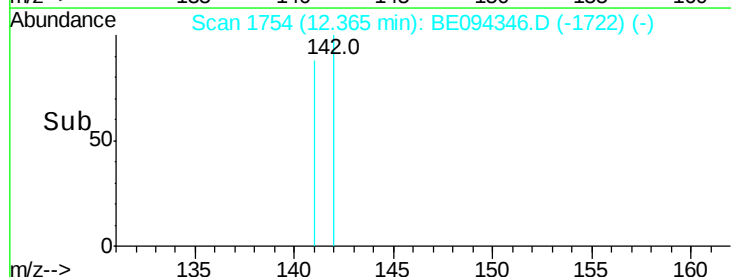
300

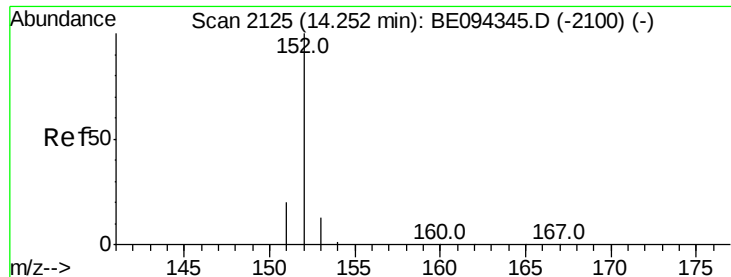
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.072 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. -0.00 min

Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

Instrument :

BNA_E

ClientSampleId :

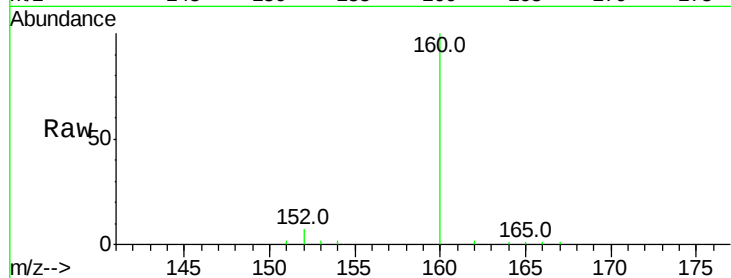
Tot Ion:152 Resp: 1311

Ion Ratio Lower Upper

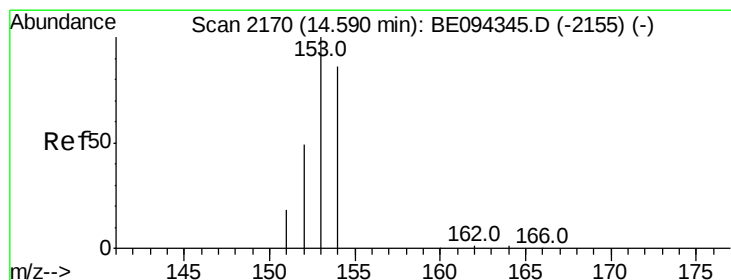
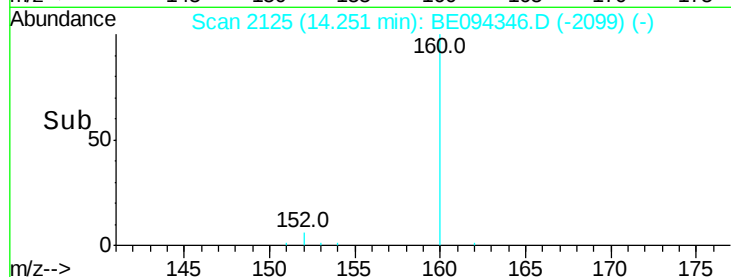
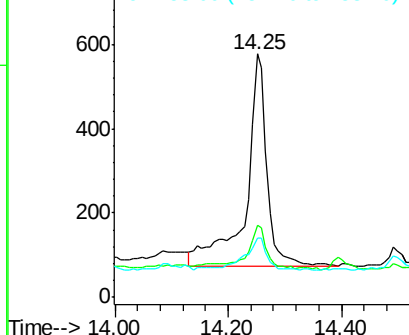
152 100

151 29.5 17.1 25.7#

153 24.6 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: 0.067 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

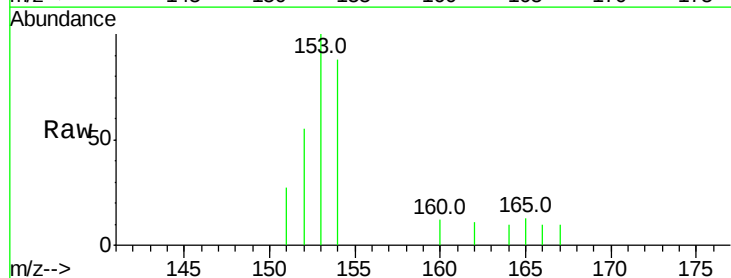
Tgt Ion:153 Resp: 1007

Ion Ratio Lower Upper

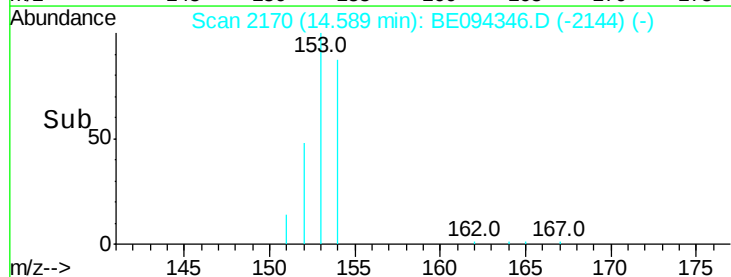
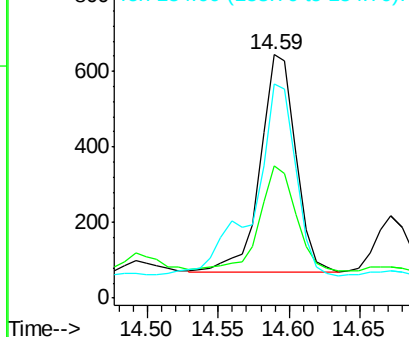
153 100

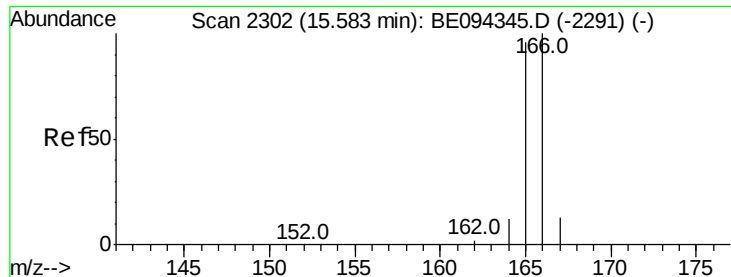
152 54.5 40.3 60.5

154 88.0 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

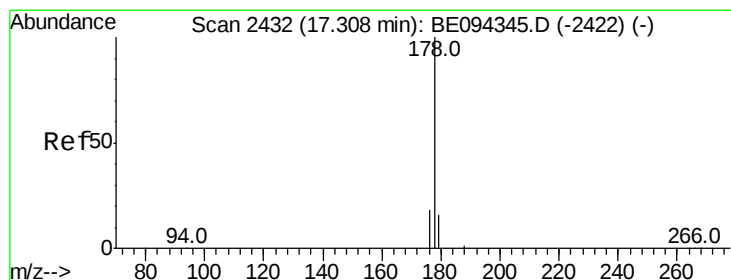
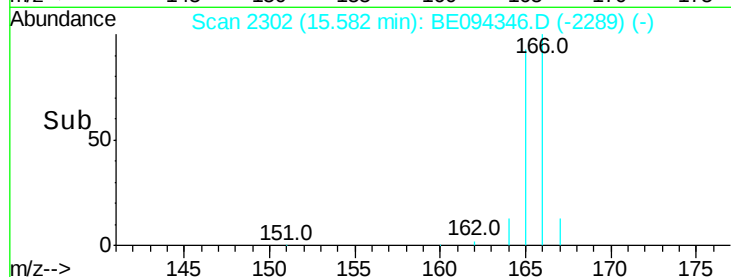
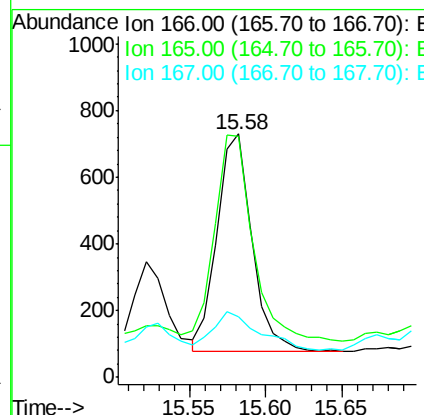
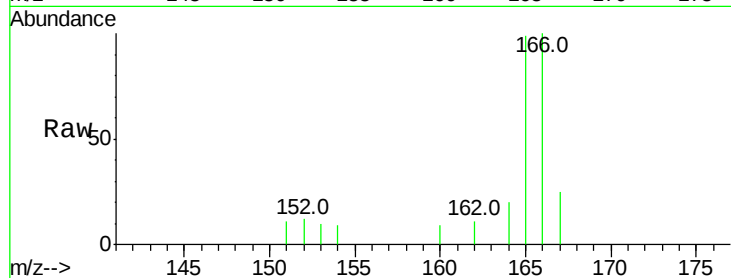




#9
Fluorene
 Concen: 0.059 ng/ul
 RT: 15.58 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: BE094346.D
 Acq: 14 Oct 2017 5:11

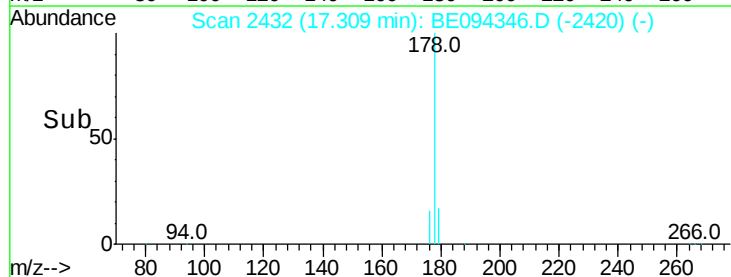
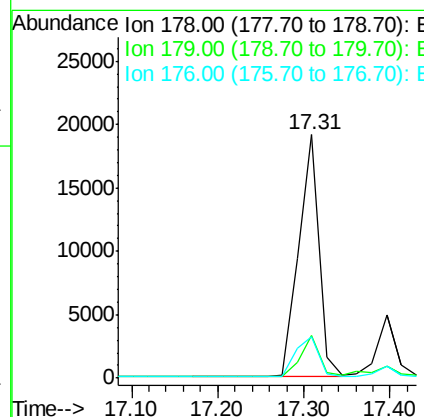
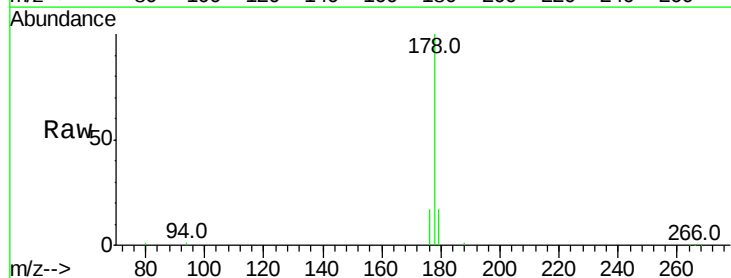
Instrument :
 BNA_E
 ClientSampleId :

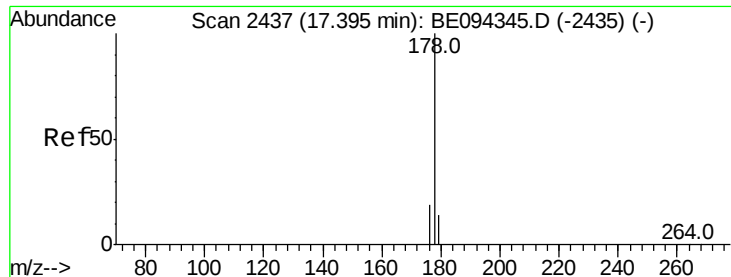
Tot Ion:166 Resp: 1031
 Ion Ratio Lower Upper
 166 100
 165 99.2 73.4 110.2
 167 24.9 14.6 22.0#



#12
Phenanthrene
 Concen: 1.215 ng/ul
 RT: 17.31 min Scan# 2432
 Delta R.T. 0.00 min
 Lab File: BE094346.D
 Acq: 14 Oct 2017 5:11

Tgt Ion:178 Resp: 31383
 Ion Ratio Lower Upper
 178 100
 179 17.3 18.4 27.6#
 176 16.8 13.6 20.4





#13

Anthracene

Concen: 0.300 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

Instrument :

BNA_E

ClientSampleId :

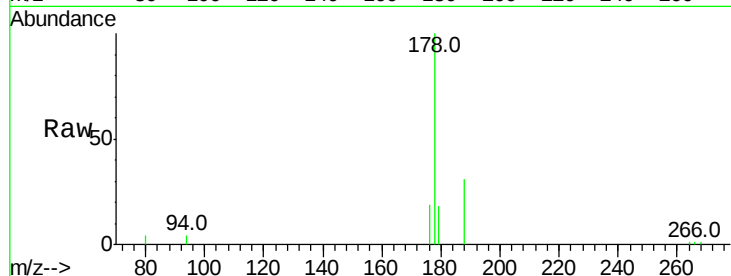
Tot Ion:178 Resp: 7537

Ion Ratio Lower Upper

178 100

179 18.3 18.1 27.1

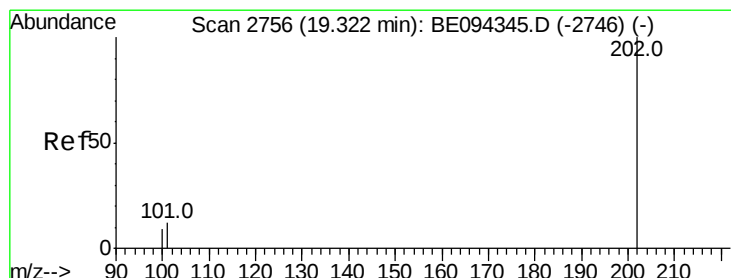
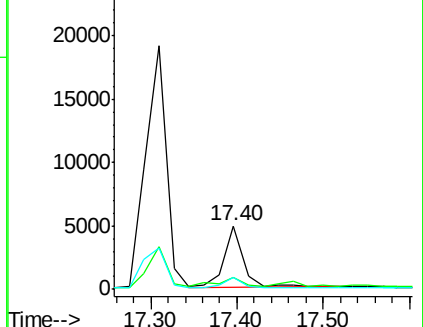
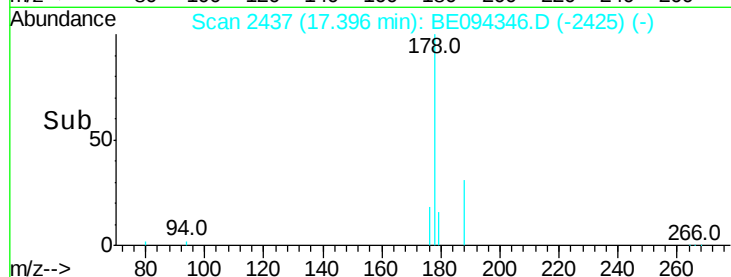
176 19.1 14.7 22.1



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: 1.809 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

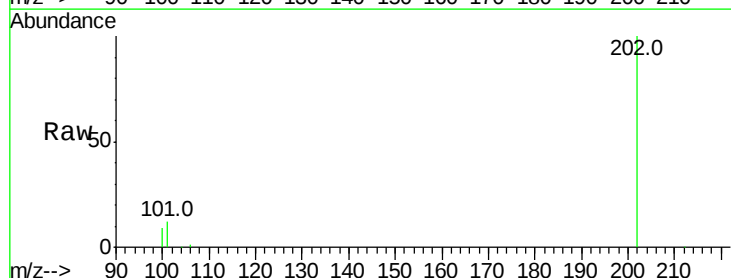
Tgt Ion:202 Resp: 61403

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

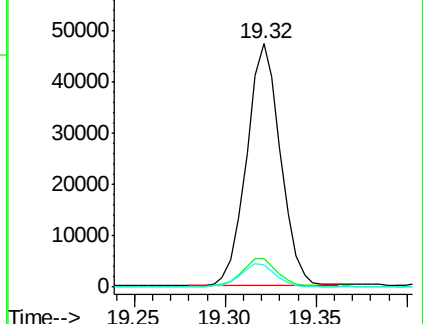
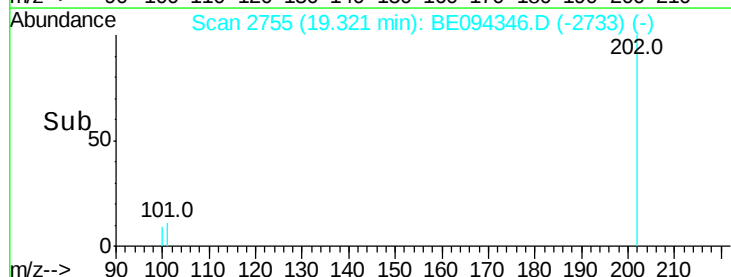
100 9.2 0.0 39.5

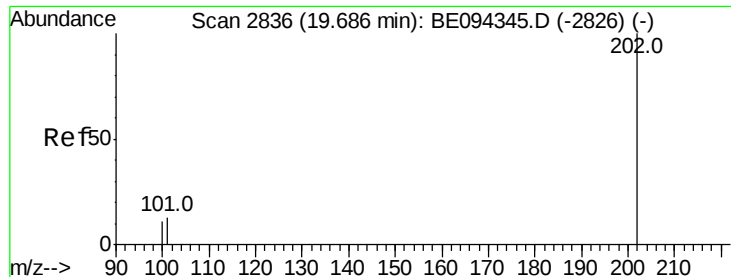


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

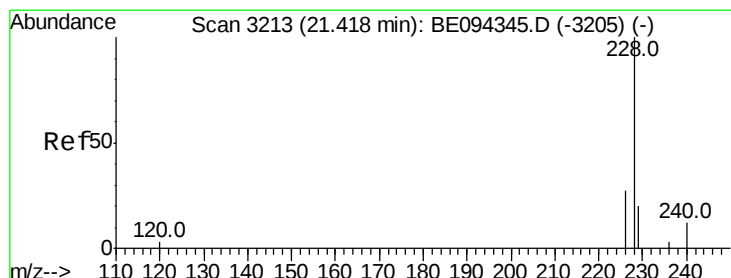
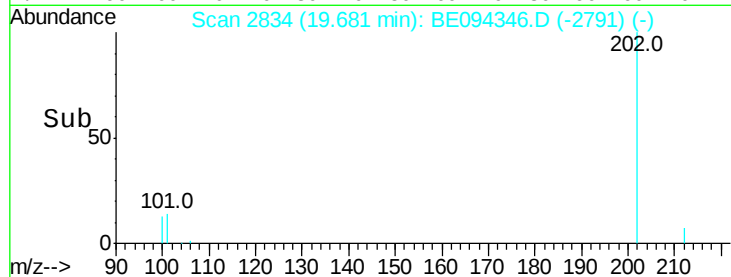
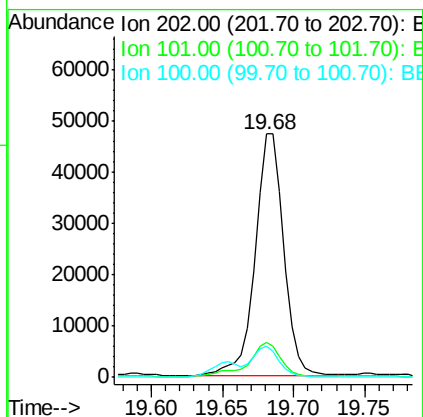
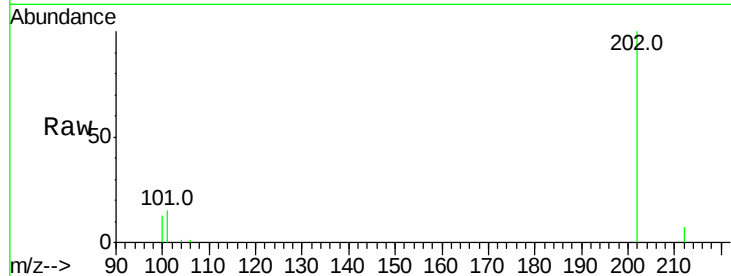




#17
Pvrene
Concen: 2.412 ng/ul
RT: 19.68 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BE094346.D
Acq: 14 Oct 2017 5:11

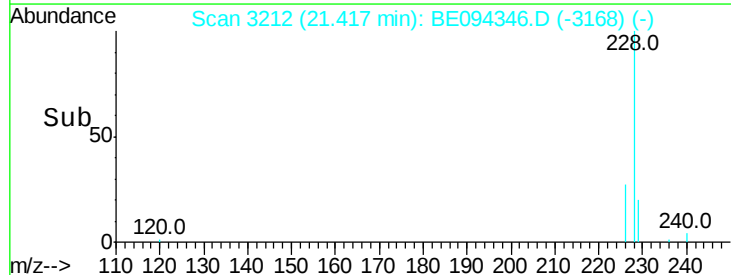
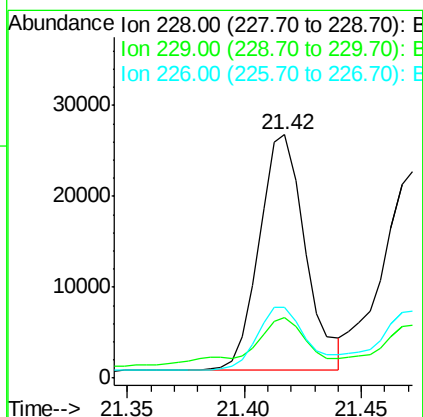
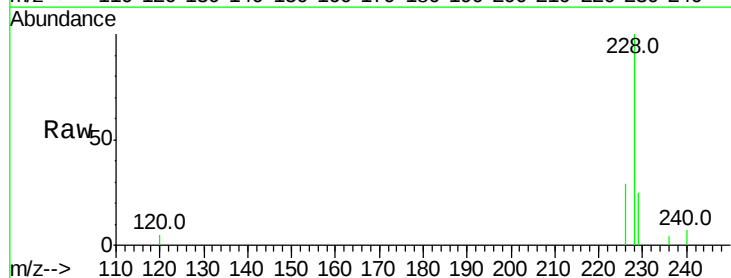
Instrument :
BNA_E
ClientSampleId :

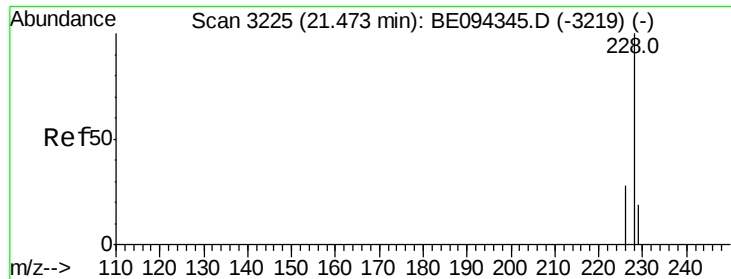
Tot Ion:202 Resp: 66480
Ion Ratio Lower Upper
202 100
101 14.6 18.2 27.4#
100 12.8 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 1.353 ng/ul
RT: 21.42 min Scan# 3212
Delta R.T. -0.00 min
Lab File: BE094346.D
Acq: 14 Oct 2017 5:11

Tgt Ion:228 Resp: 35573
Ion Ratio Lower Upper
228 100
229 24.6 22.8 34.2
226 29.1 17.0 25.6#





#19

Chrysene

Concen: 1.115 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

Instrument :

BNA_E

ClientSampleId :

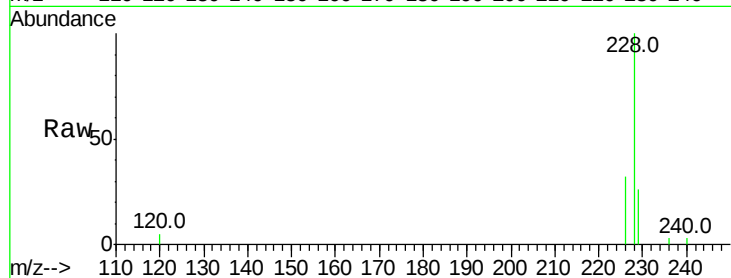
Tot Ion:228 Resp: 33830

Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.0

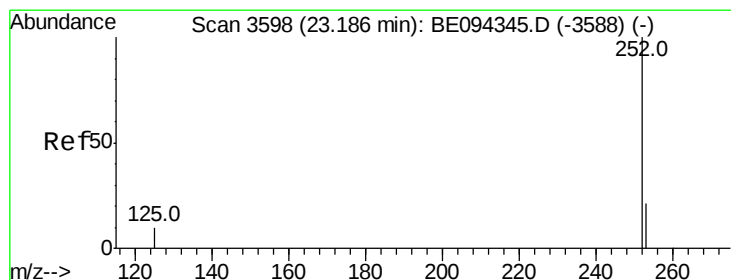
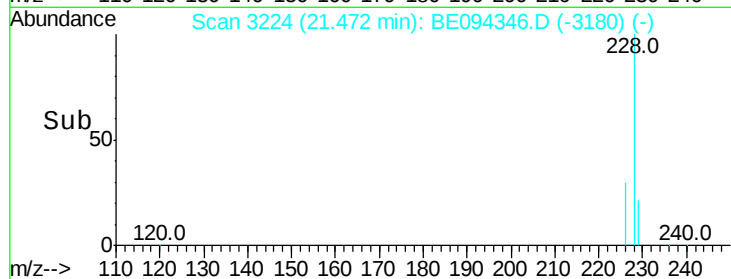
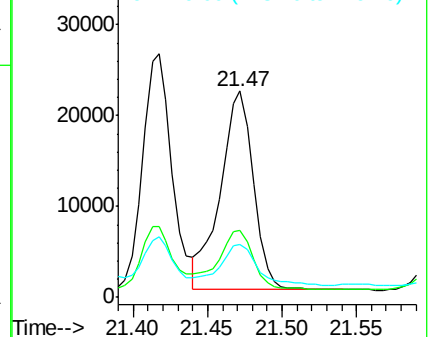
229 26.0 17.7 26.5



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: 1.917 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

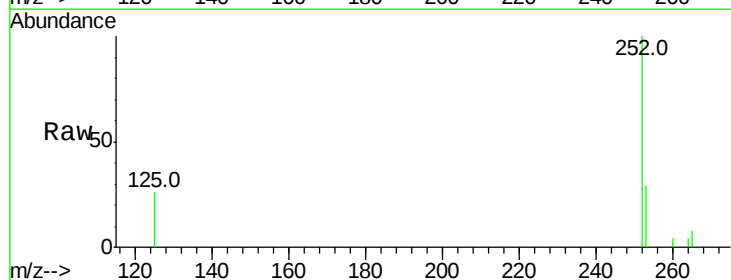
Tgt Ion:252 Resp: 52199

Ion Ratio Lower Upper

252 100

253 28.6 0.0 64.2

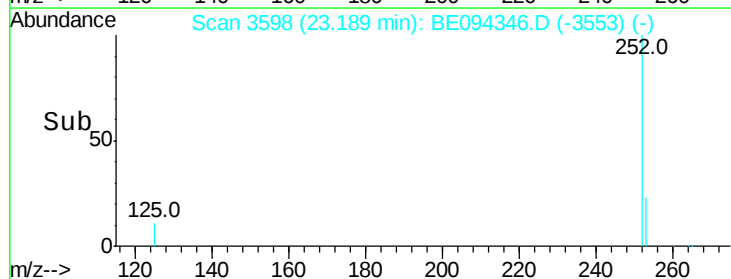
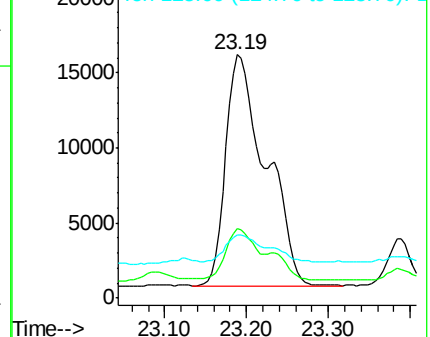
125 25.8 0.0 35.0

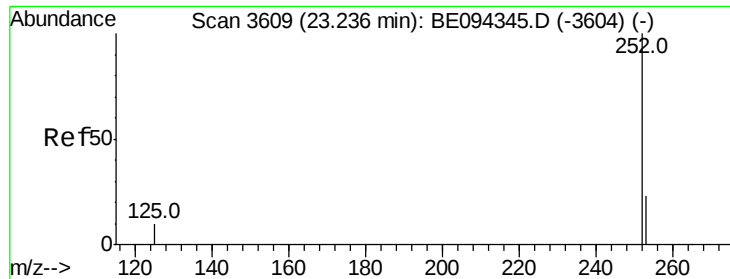


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.657 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.05 min

Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

Instrument :

BNA_E

ClientSampleId :

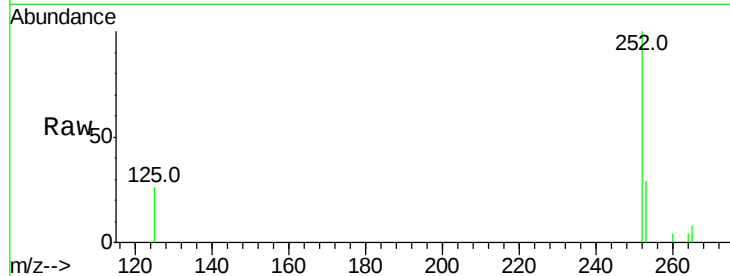
Tot Ion:252 Resp: 52141

Ion Ratio Lower Upper

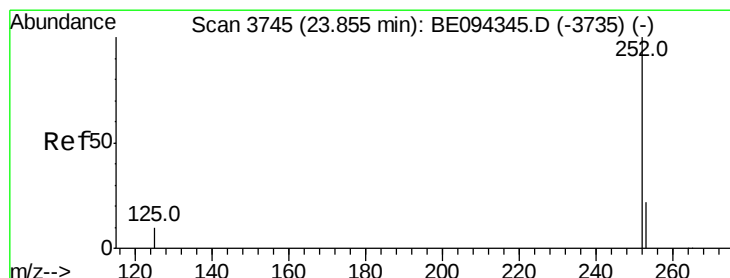
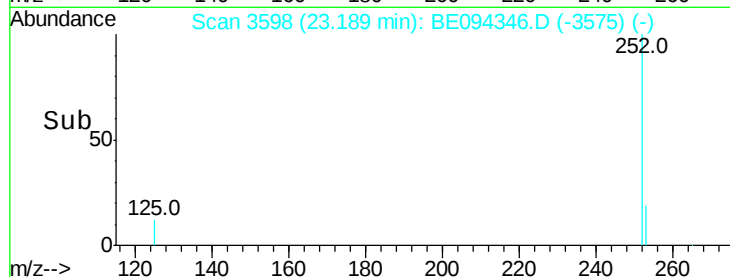
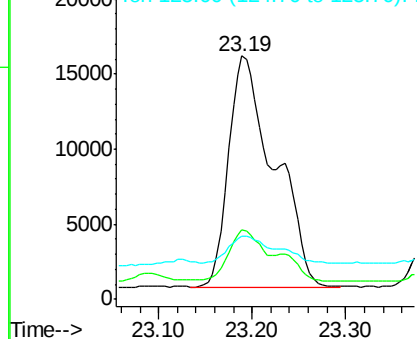
252 100

253 28.6 24.5 36.7

125 25.8 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: 1.176 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. -0.01 min

Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

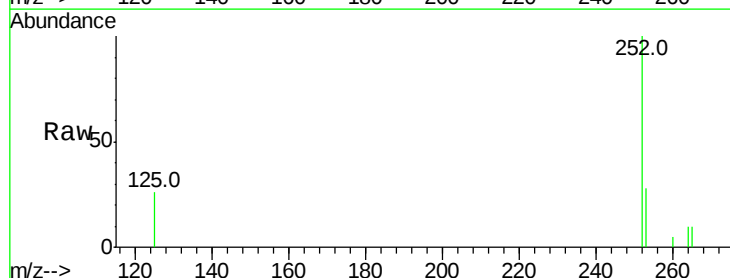
Tgt Ion:252 Resp: 33272

Ion Ratio Lower Upper

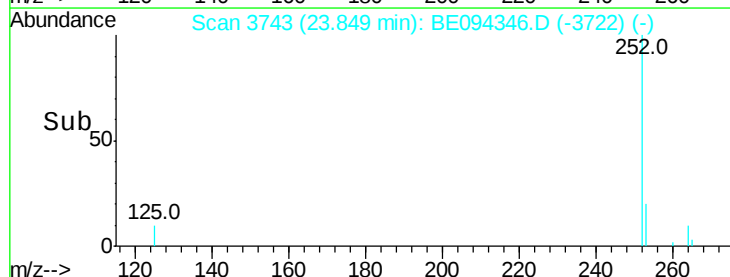
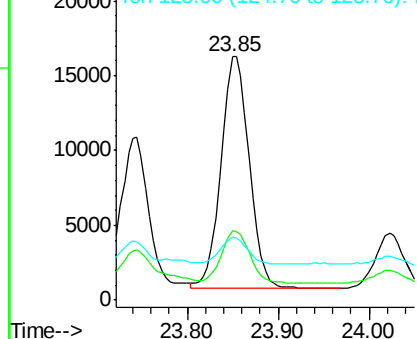
252 100

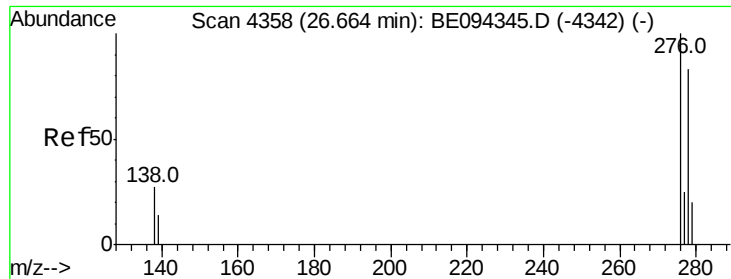
253 28.3 28.5 42.7#

125 26.1 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



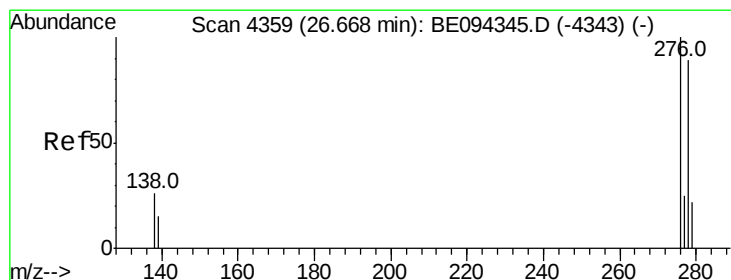
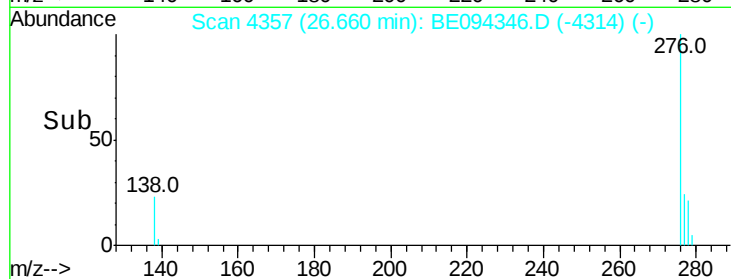
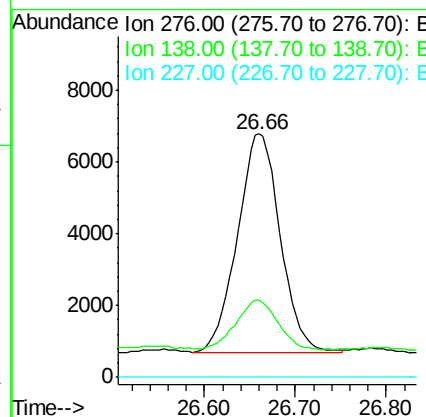
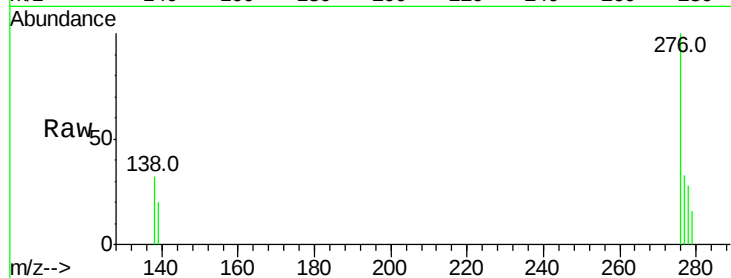


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.692 ng/ul
RT: 26.66 min Scan# 4357
Delta R.T. -0.00 min
Lab File: BE094346.D
Acq: 14 Oct 2017 5:11

Instrument :
BNA_E
ClientSampleId :

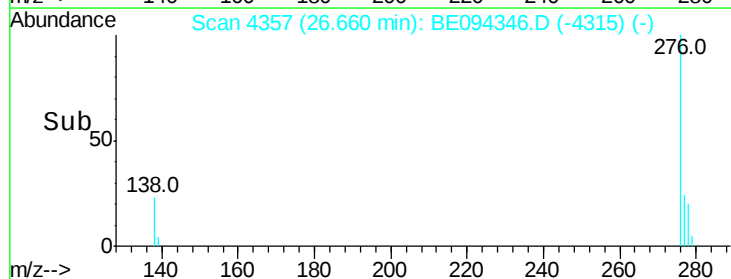
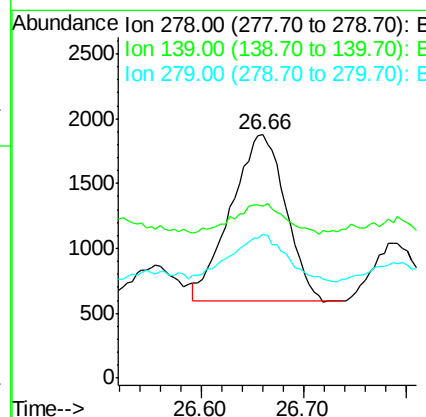
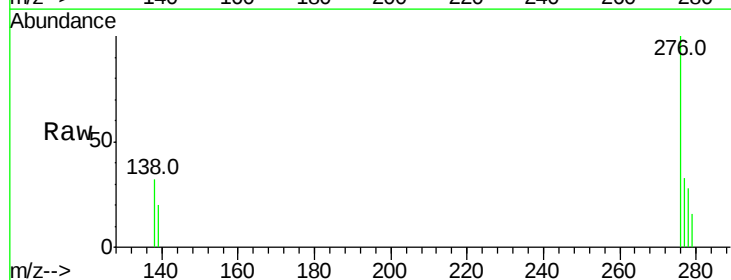
Tot Ion:276 Resp: 20024
Ion Ratio Lower Upper
276 100
138 22.1 28.0 42.0#
227 0.0 8.0 12.0#

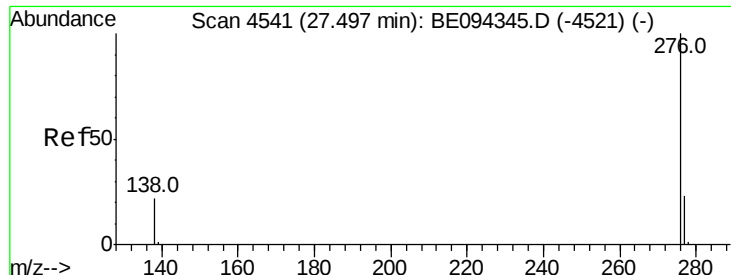


#25

Dibenzo(a,h)anthracene
Concen: 0.198 ng/ul
RT: 26.66 min Scan# 4357
Delta R.T. -0.01 min
Lab File: BE094346.D
Acq: 14 Oct 2017 5:11

Tgt Ion:278 Resp: 4796
Ion Ratio Lower Upper
278 100
139 70.7 17.4 26.0#
279 59.0 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.744 ng/ul

RT: 27.49 min Scan# 4540

Delta R.T. -0.00 min

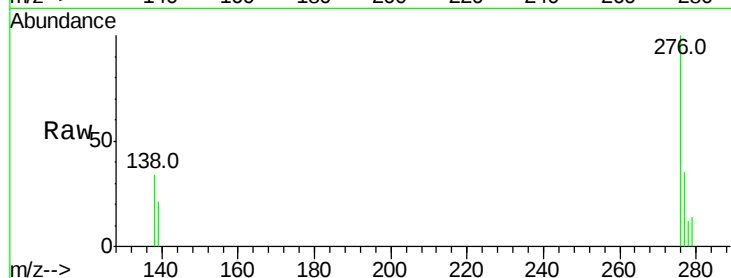
Lab File: BE094346.D

Acq: 14 Oct 2017 5:11

Instrument :

BNA_E

ClientSampleId :



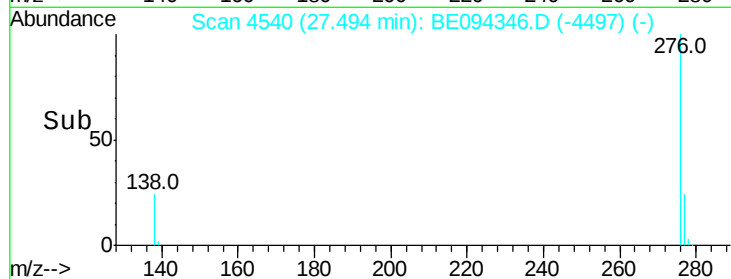
Tot Ion:276 Resp: 18573

Ion Ratio Lower Upper

276 100

138 34.4 21.8 32.8#

277 34.6 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

