

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094349.D
 Acq On : 14 Oct 2017 7:02
 Operator : SJ/JU
 Sample : I5649-12DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 22:13:47 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	1796	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	9351	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5177	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11173	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	10954	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	11053	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1027	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	2579	0.07	ng/ul	0.00

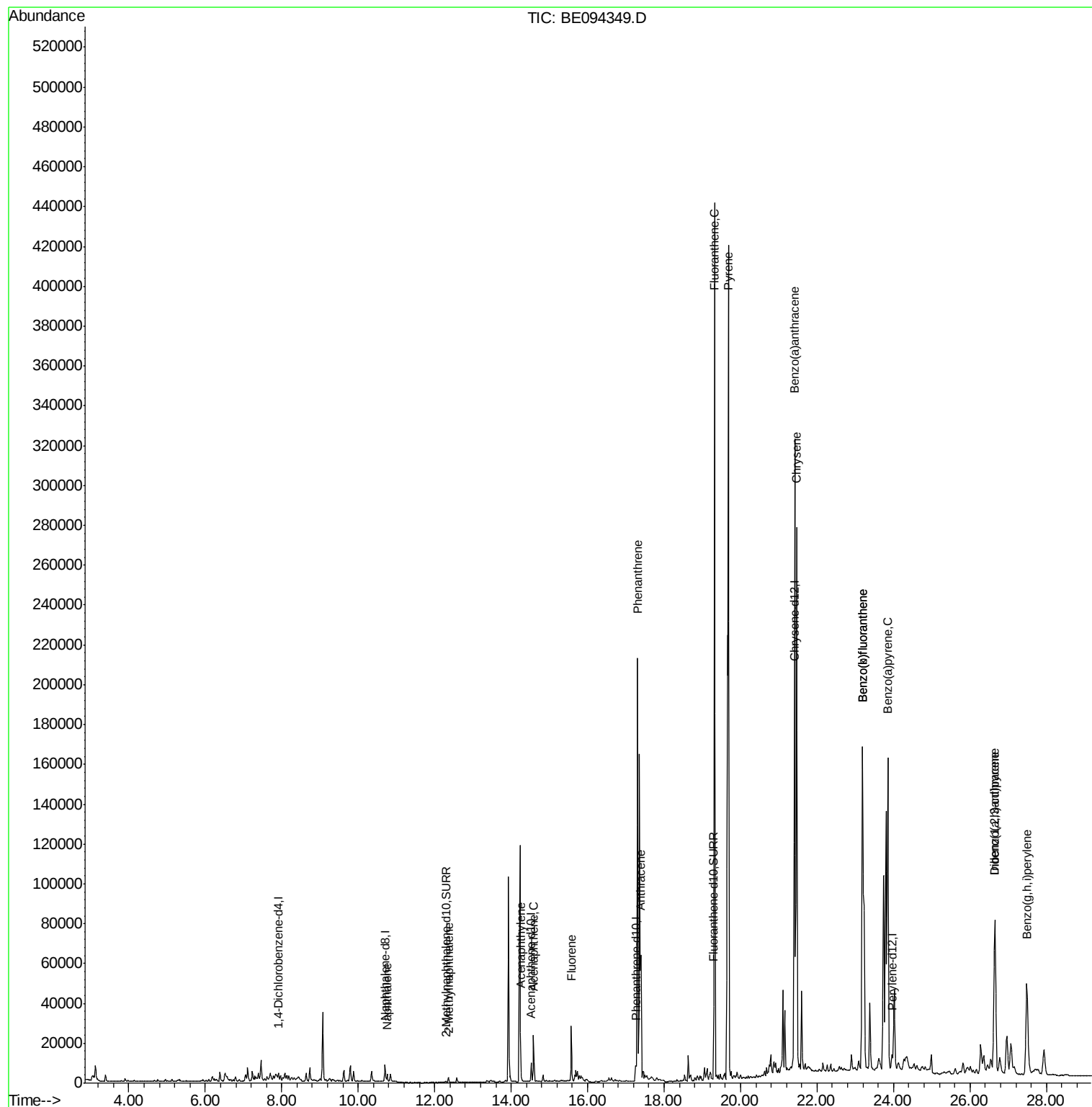
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	5814	0.254	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	2205	0.148	ng/ul	98
7) Acenaphthylene	14.25	152	4596	0.228	ng/ul	96
8) Acenaphthene	14.59	153	14246	0.857	ng/ul	97
9) Fluorene	15.57	166	18291	0.940	ng/ul	92
12) Phenanthrene	17.31	178	276375	9.466	ng/ul#	92
13) Anthracene	17.39	178	69934	2.463	ng/ul#	92
15) Fluoranthene	19.32	202	493849	12.873	ng/ul	84
17) Pyrene	19.68	202	475112	15.589	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	300162	10.329	ng/ul#	87
19) Chrysene	21.47	228	282432	8.416	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	411689	13.711	ng/ul	85
22) Benzo(k)fluoranthene	23.19	252	411689	11.862	ng/ul#	87
23) Benzo(a)pyrene	23.85	252	242971	7.787	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.65	276	138737	4.347	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.65	278	39804	1.487	ng/ul	96
26) Benzo(a,h,i)perylene	27.49	276	114467	4.158	ng/ul	97

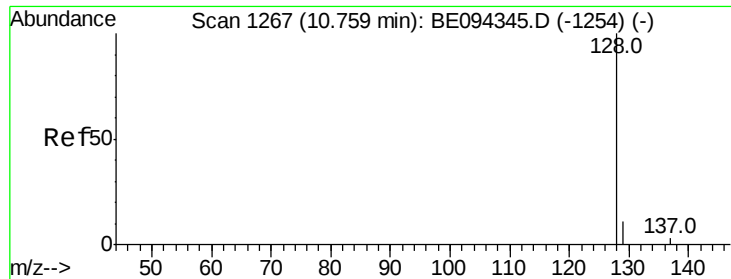
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.254 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

Instrument :

BNA_E

ClientSampleId :

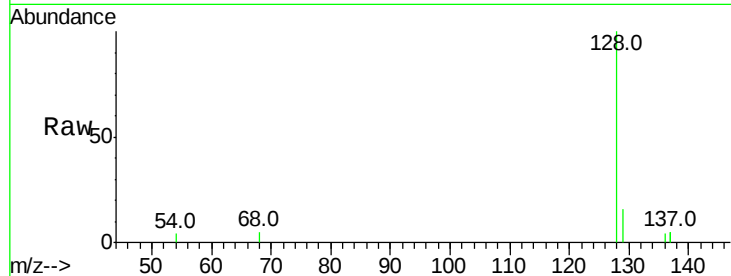
Tot Ion:128 Resp: 5814

Ion Ratio Lower Upper

128 100

129 15.8 11.3 16.9

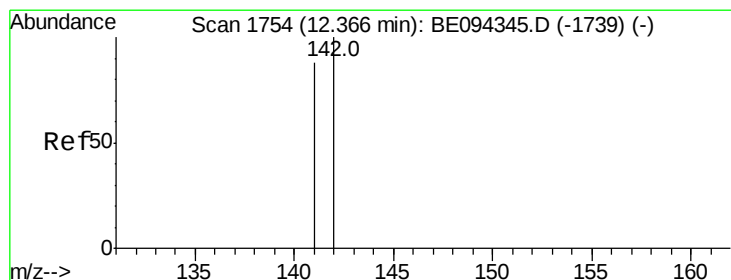
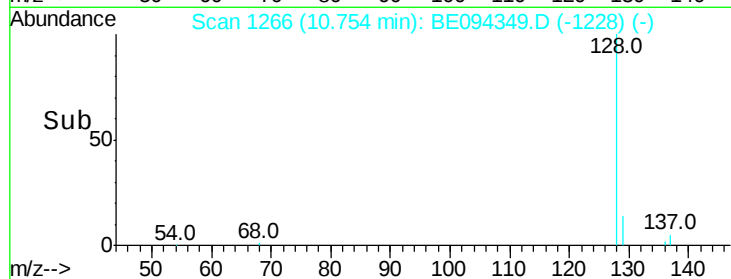
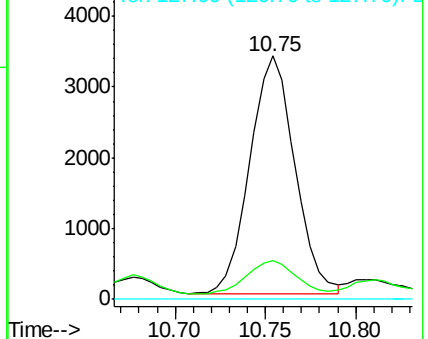
127 0.0 4.0 6.0#



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: 0.148 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BE094349.D

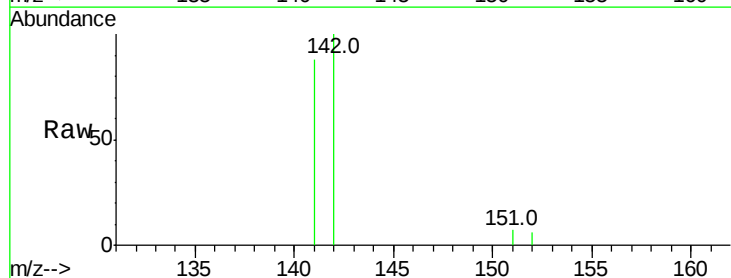
Acq: 14 Oct 2017 7:02

Tgt Ion:142 Resp: 2205

Ion Ratio Lower Upper

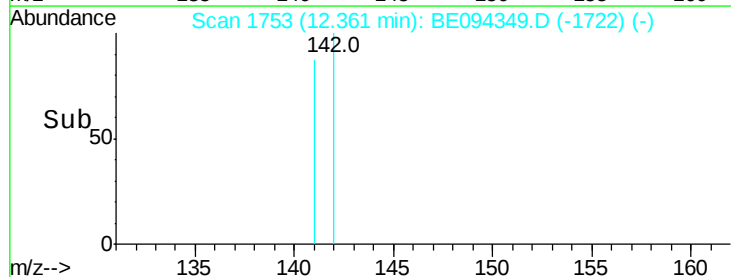
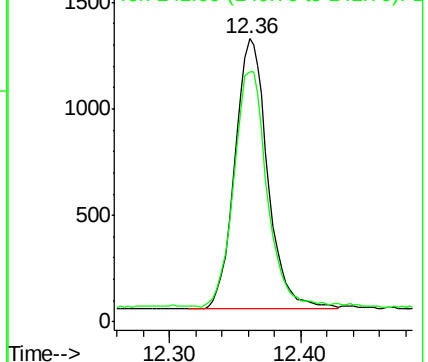
142 100

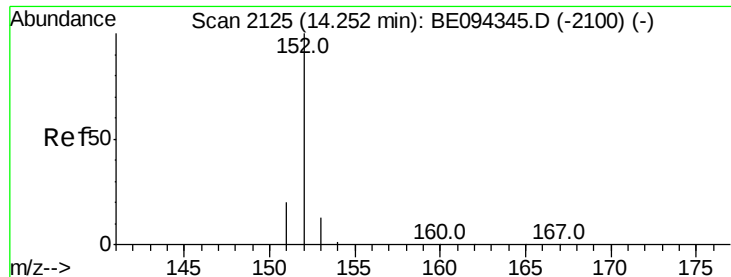
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.228 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. -0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

Instrument :

BNA_E

ClientSampleId :

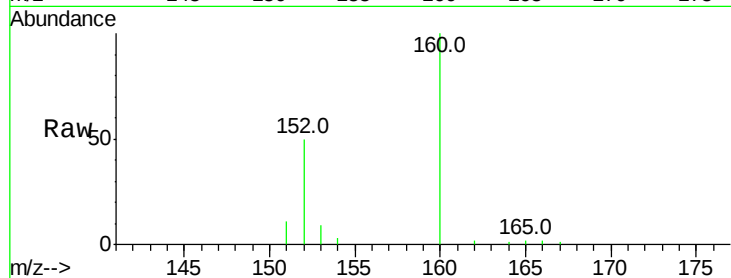
Tot Ion:152 Resp: 4596

Ion Ratio Lower Upper

152 100

151 22.5 17.1 25.7

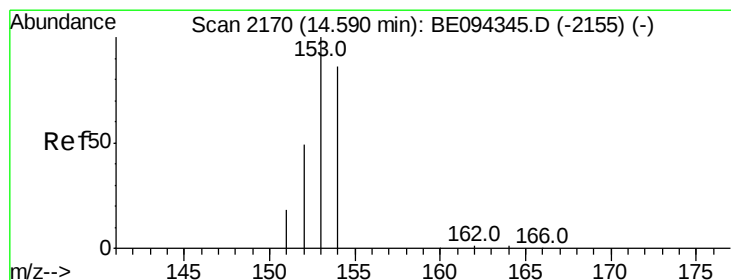
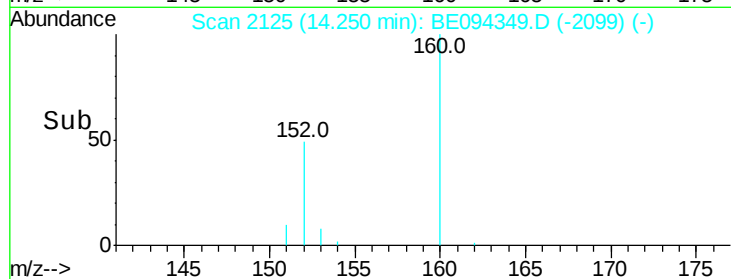
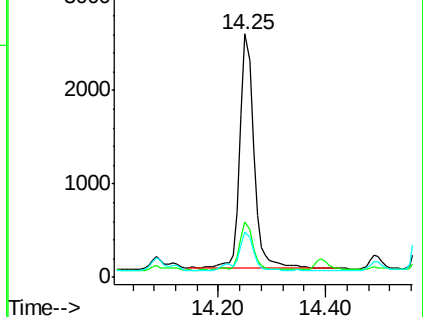
153 18.5 12.8 19.2



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: 0.857 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

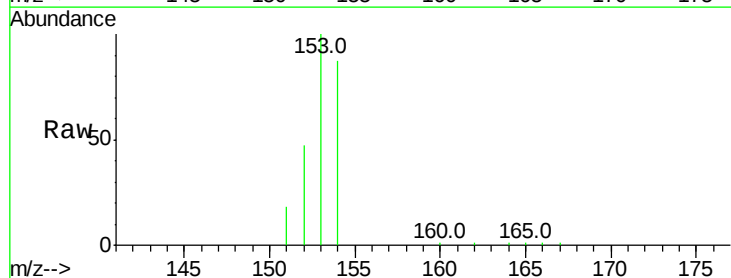
Tgt Ion:153 Resp: 14246

Ion Ratio Lower Upper

153 100

152 47.3 40.3 60.5

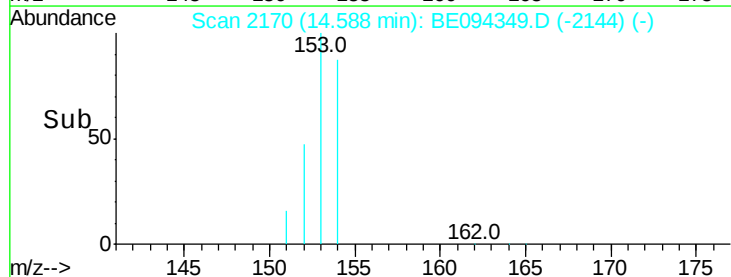
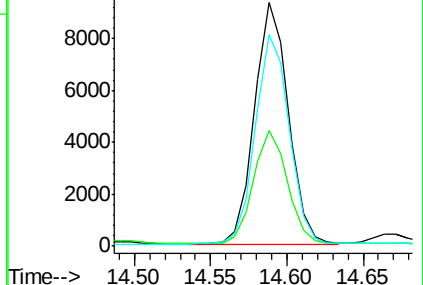
154 86.7 71.4 107.2

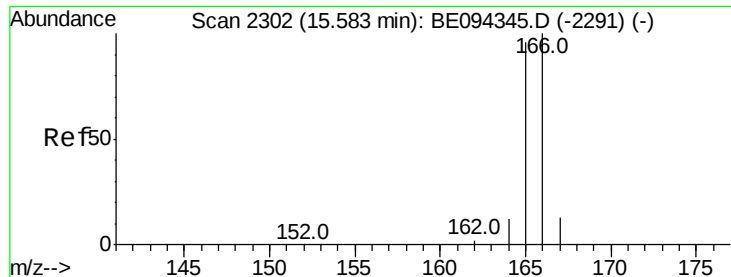


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.940 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

Instrument :

BNA_E

ClientSampleId :

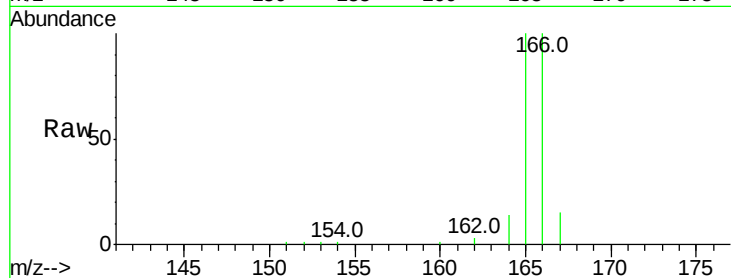
Tot Ion:166 Resp: 18291

Ion Ratio Lower Upper

166 100

165 99.5 73.4 110.2

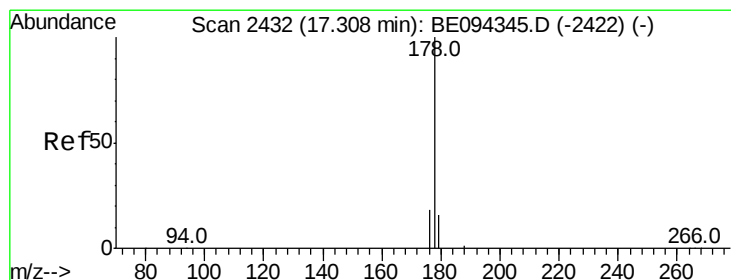
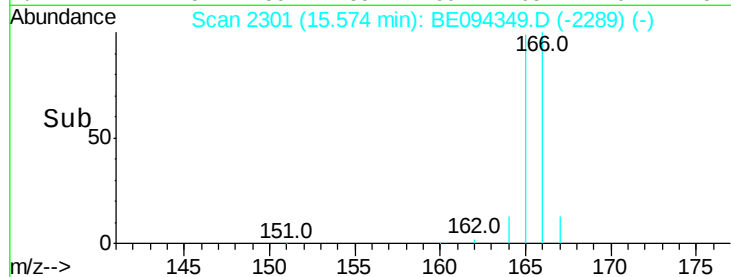
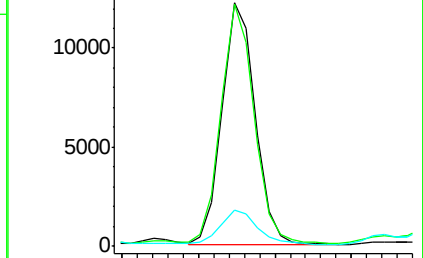
167 14.7 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 9.466 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

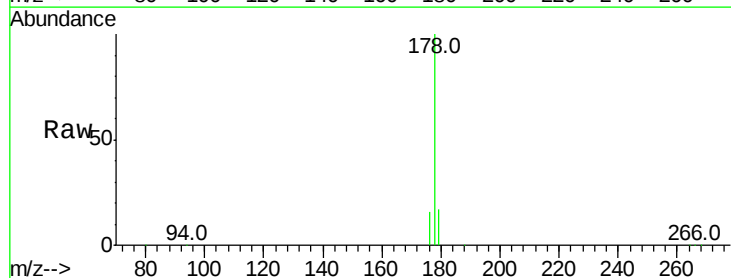
Tgt Ion:178 Resp: 276375

Ion Ratio Lower Upper

178 100

179 17.0 18.4 27.6#

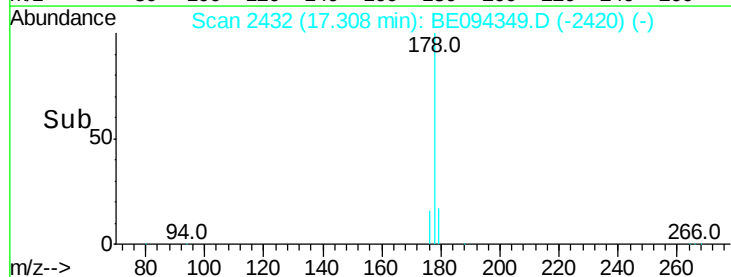
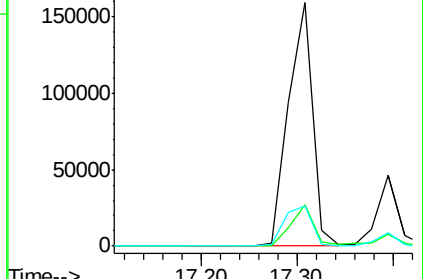
176 16.5 13.6 20.4

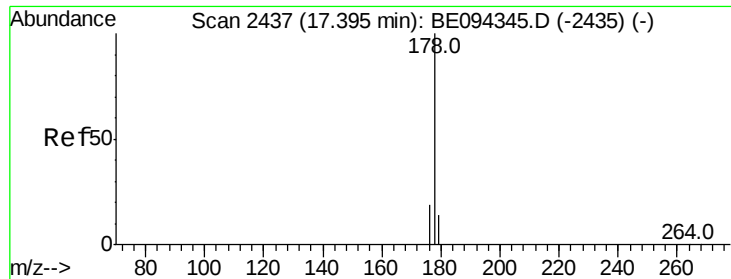


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 2.463 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

Instrument :

BNA_E

ClientSampleId :

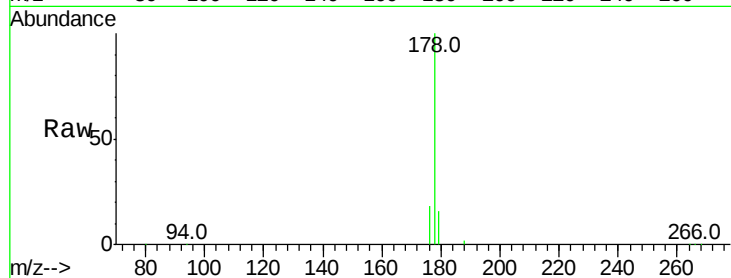
Tot Ion:178 Resp: 69934

Ion Ratio Lower Upper

178 100

179 16.1 18.1 27.1#

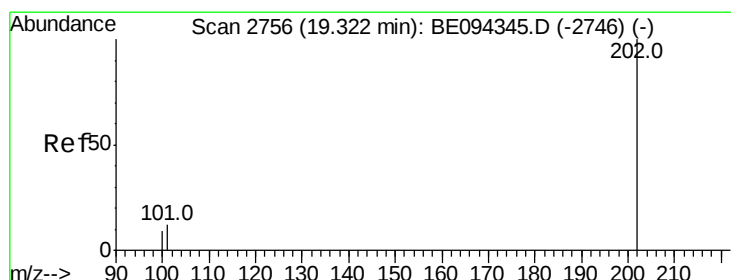
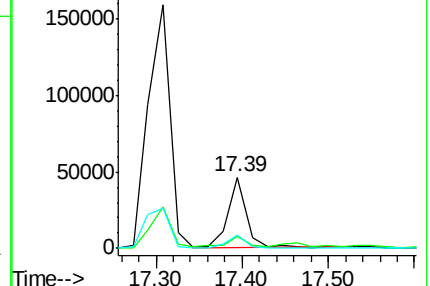
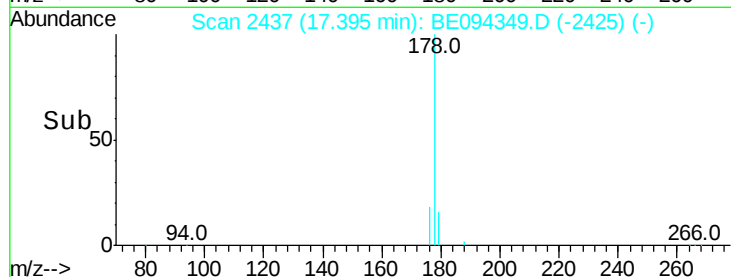
176 17.8 14.7 22.1



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: 12.873 ng/ul

RT: 19.32 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

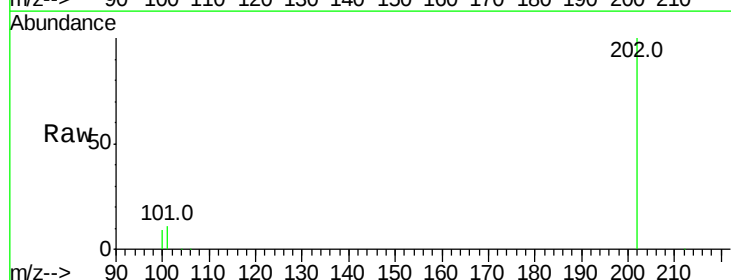
Tgt Ion:202 Resp: 493849

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

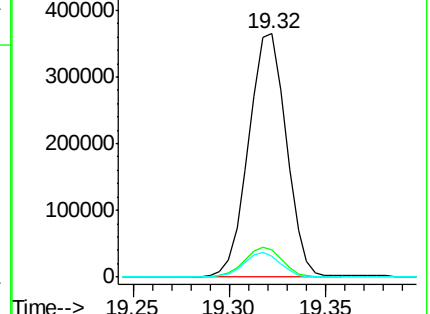
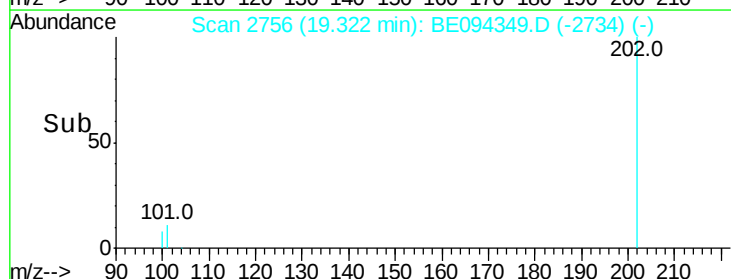
100 8.5 0.0 39.5

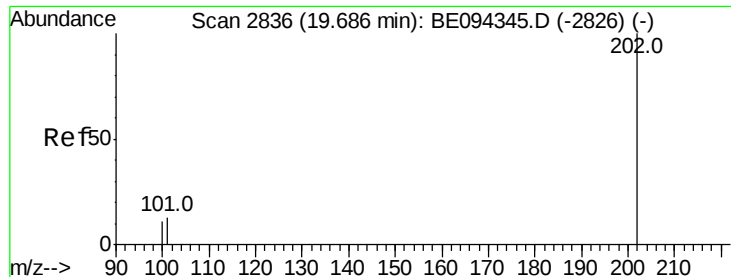


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 15.589 ng/ul

RT: 19.68 min Scan# 2835

Delta R.T. -0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

Instrument :

BNA_E

ClientSampleId :

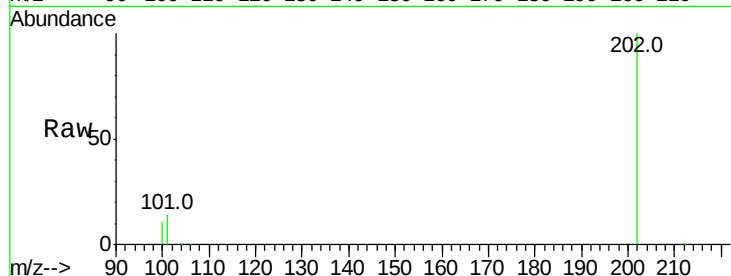
Tot Ion:202 Resp: 475112

Ion Ratio Lower Upper

202 100

101 13.6 18.2 27.4#

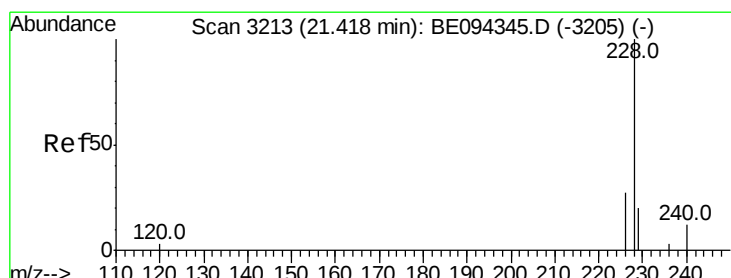
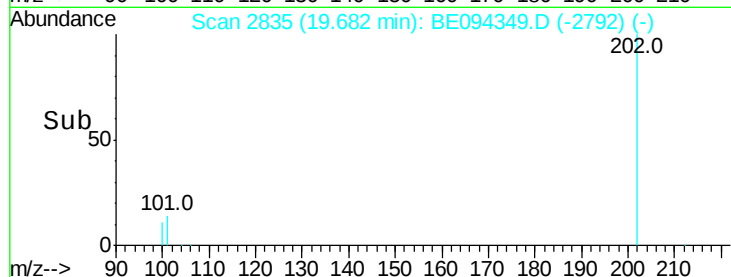
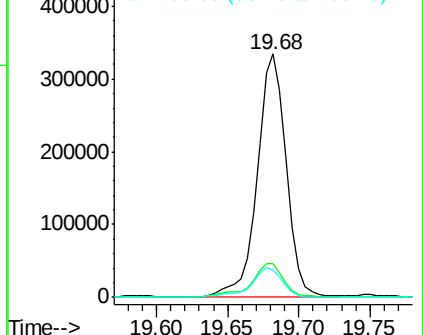
100 11.5 15.6 23.4#



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): BE



#18

Benzo(a)anthracene

Concen: 10.329 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

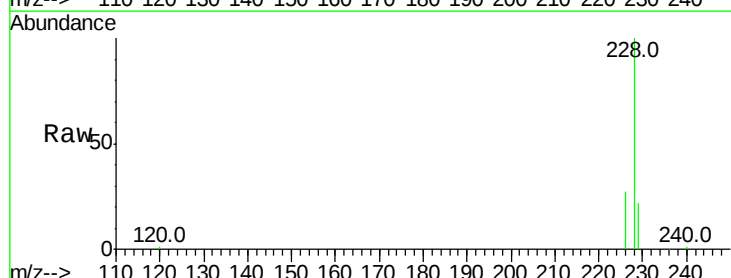
Tgt Ion:228 Resp: 300162

Ion Ratio Lower Upper

228 100

229 21.7 22.8 34.2#

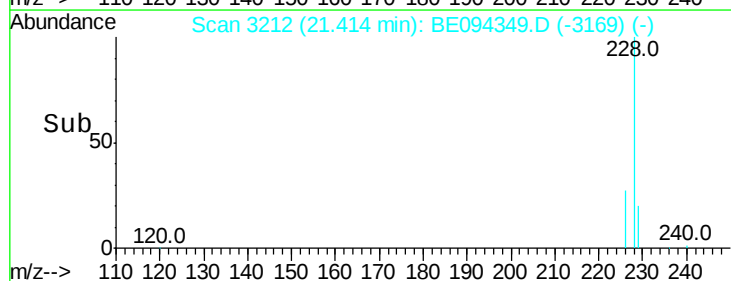
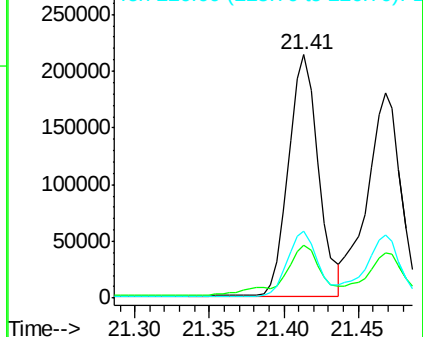
226 27.3 17.0 25.6#

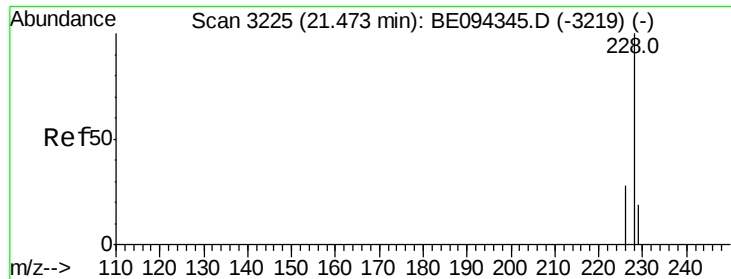


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 8.416 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

Instrument :

BNA_E

ClientSampleId :

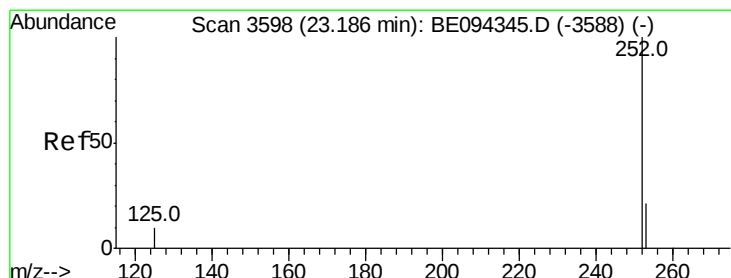
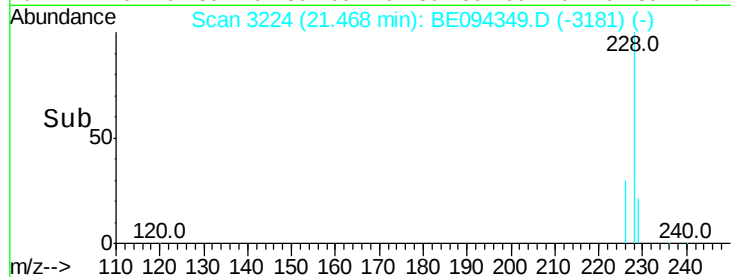
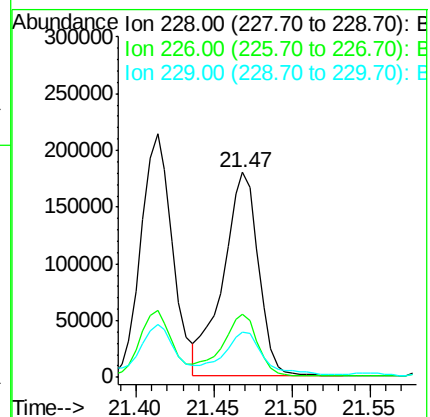
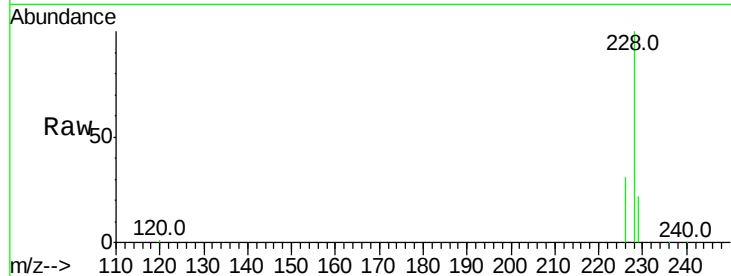
Tot Ion:228 Resp: 282432

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 22.3 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 13.711 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

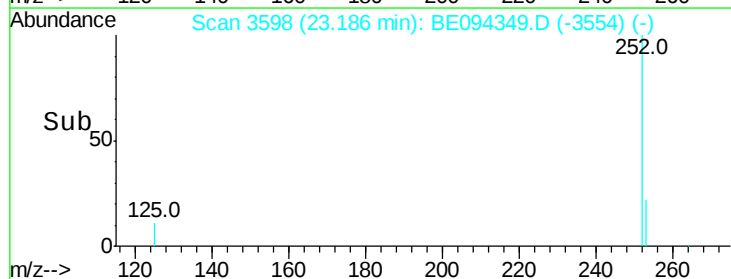
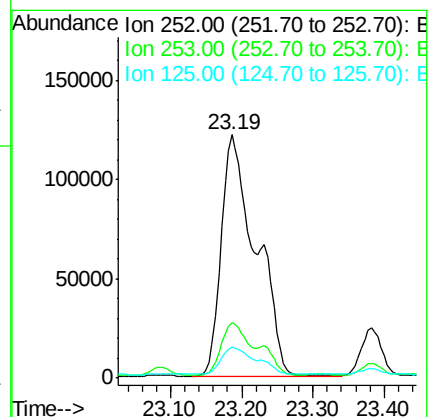
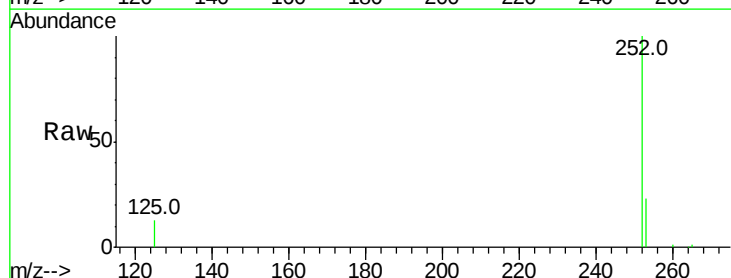
Tgt Ion:252 Resp: 411689

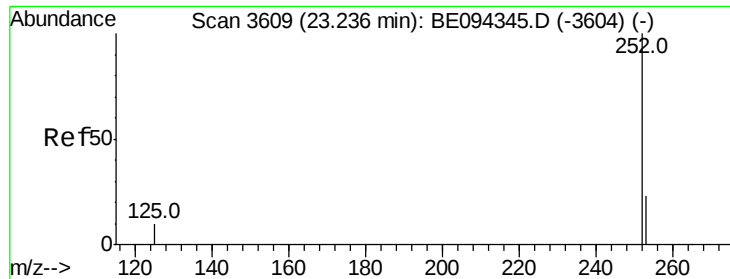
Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

125 12.6 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 11.862 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.05 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

Instrument :

BNA_E

ClientSampleId :

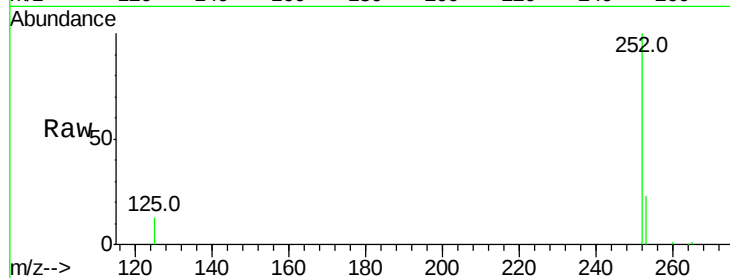
Tot Ion:252 Resp: 411689

Ion Ratio Lower Upper

252 100

253 22.9 24.5 36.7#

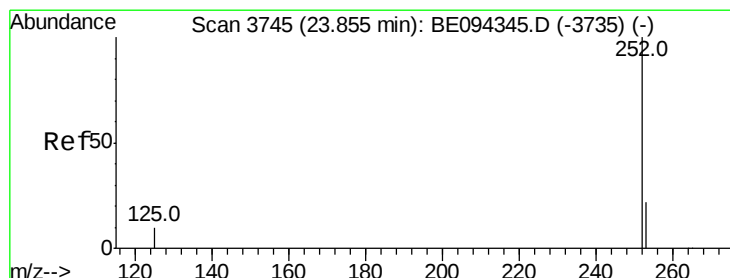
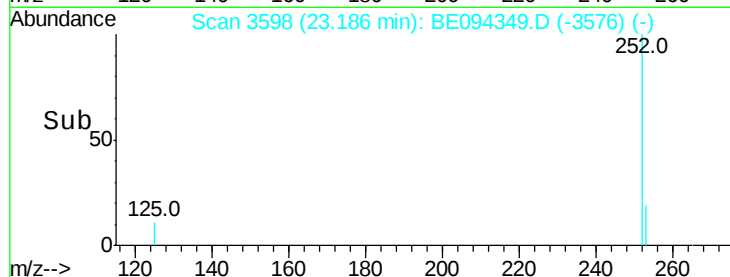
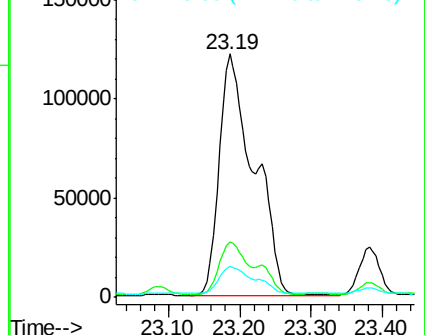
125 12.6 13.7 20.5#



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: 7.787 ng/ul

RT: 23.85 min Scan# 3744

Delta R.T. -0.00 min

Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

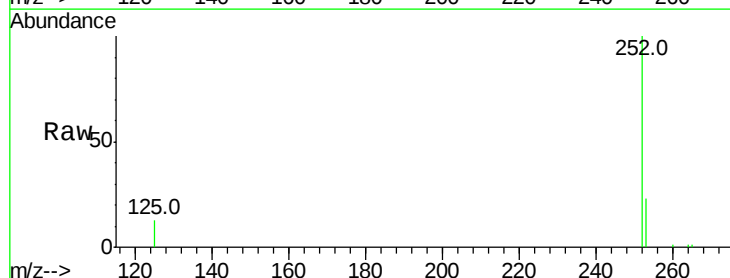
Tgt Ion:252 Resp: 242971

Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

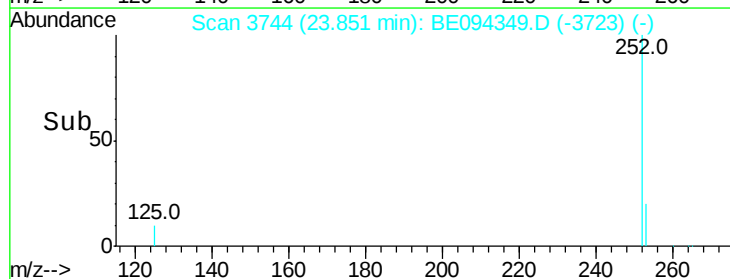
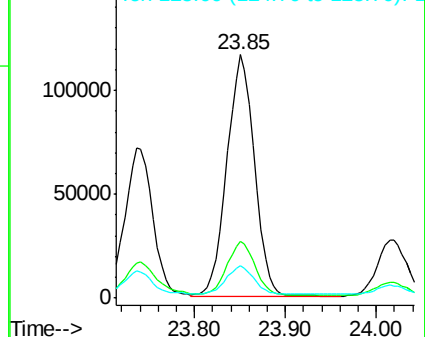
125 13.2 18.1 27.1#

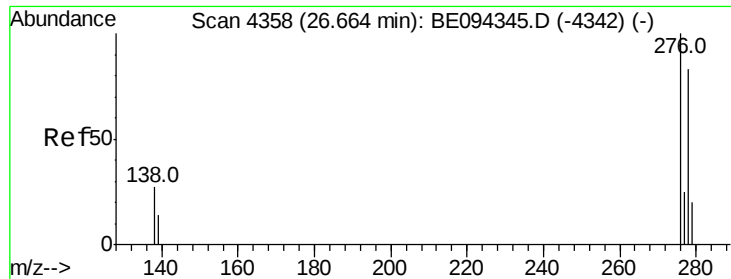


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



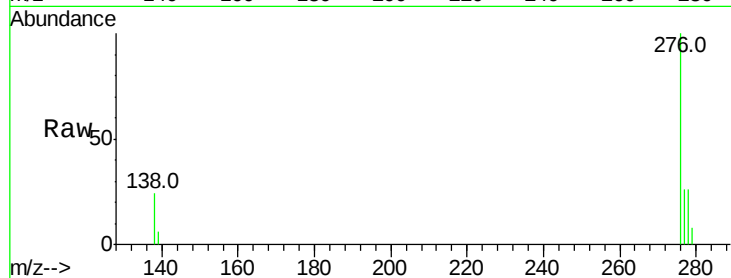


#24

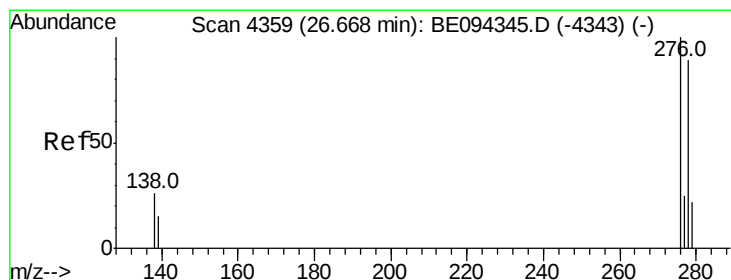
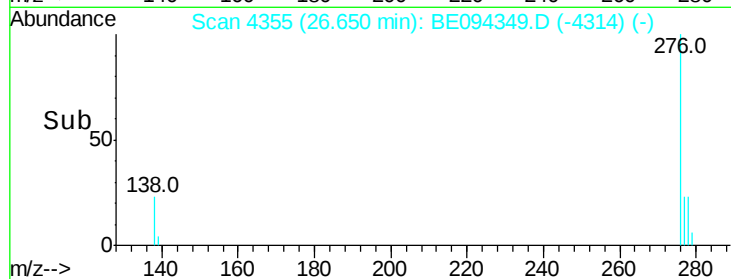
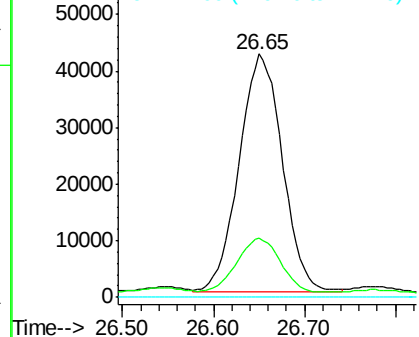
Indeno(1,2,3-cd)pyrene
Concen: 4.347 ng/ul
RT: 26.65 min Scan# 4355
Delta R.T. -0.01 min
Lab File: BE094349.D
Acq: 14 Oct 2017 7:02

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 138737
Ion Ratio Lower Upper
276 100
138 22.9 28.0 42.0#
227 0.0 8.0 12.0#



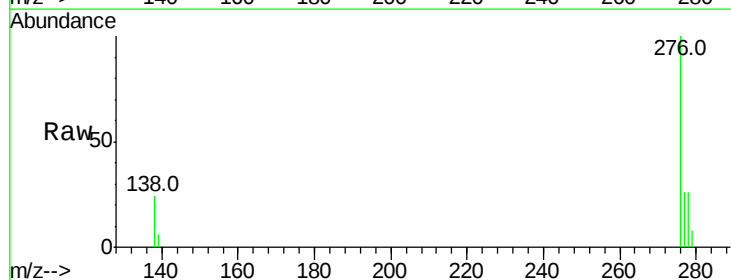
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



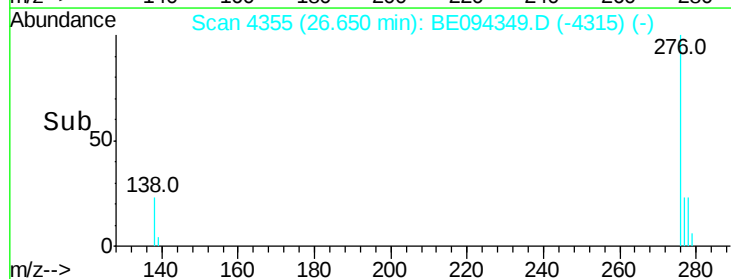
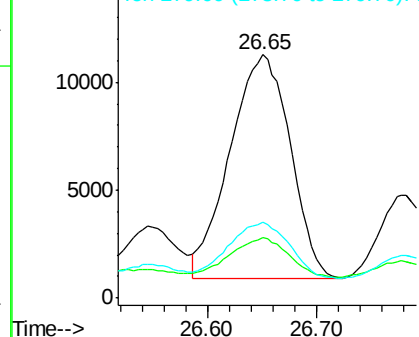
#25

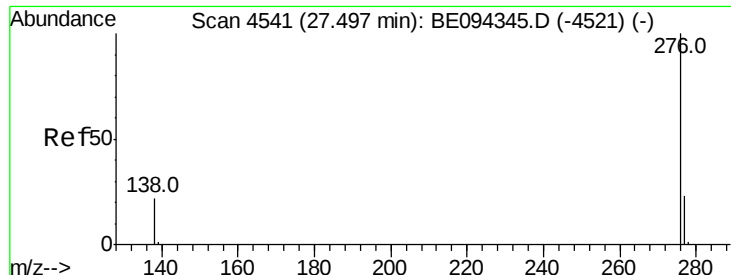
Dibenzo(a,h)anthracene
Concen: 1.487 ng/ul
RT: 26.65 min Scan# 4355
Delta R.T. -0.02 min
Lab File: BE094349.D
Acq: 14 Oct 2017 7:02

Tgt Ion:278 Resp: 39804
Ion Ratio Lower Upper
278 100
139 24.6 17.4 26.0
279 31.1 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: 4.158 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. -0.01 min

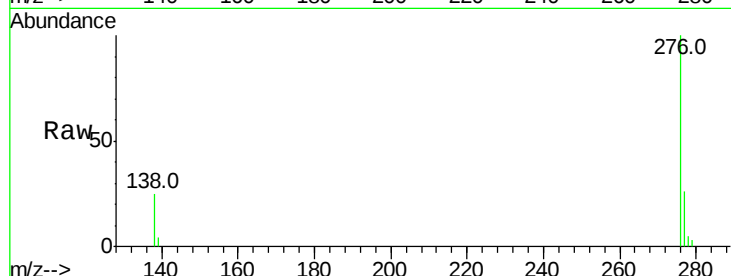
Lab File: BE094349.D

Acq: 14 Oct 2017 7:02

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 114467

Ion Ratio Lower Upper

276 100

138 24.6 21.8 32.8

277 25.7 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

