

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094560.D
 Acq On : 26 Oct 2017 13:38
 Operator : SJ/JU
 Sample : I5719-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:39:55 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 04:05:19 2017
 Response via : Initial Calibration

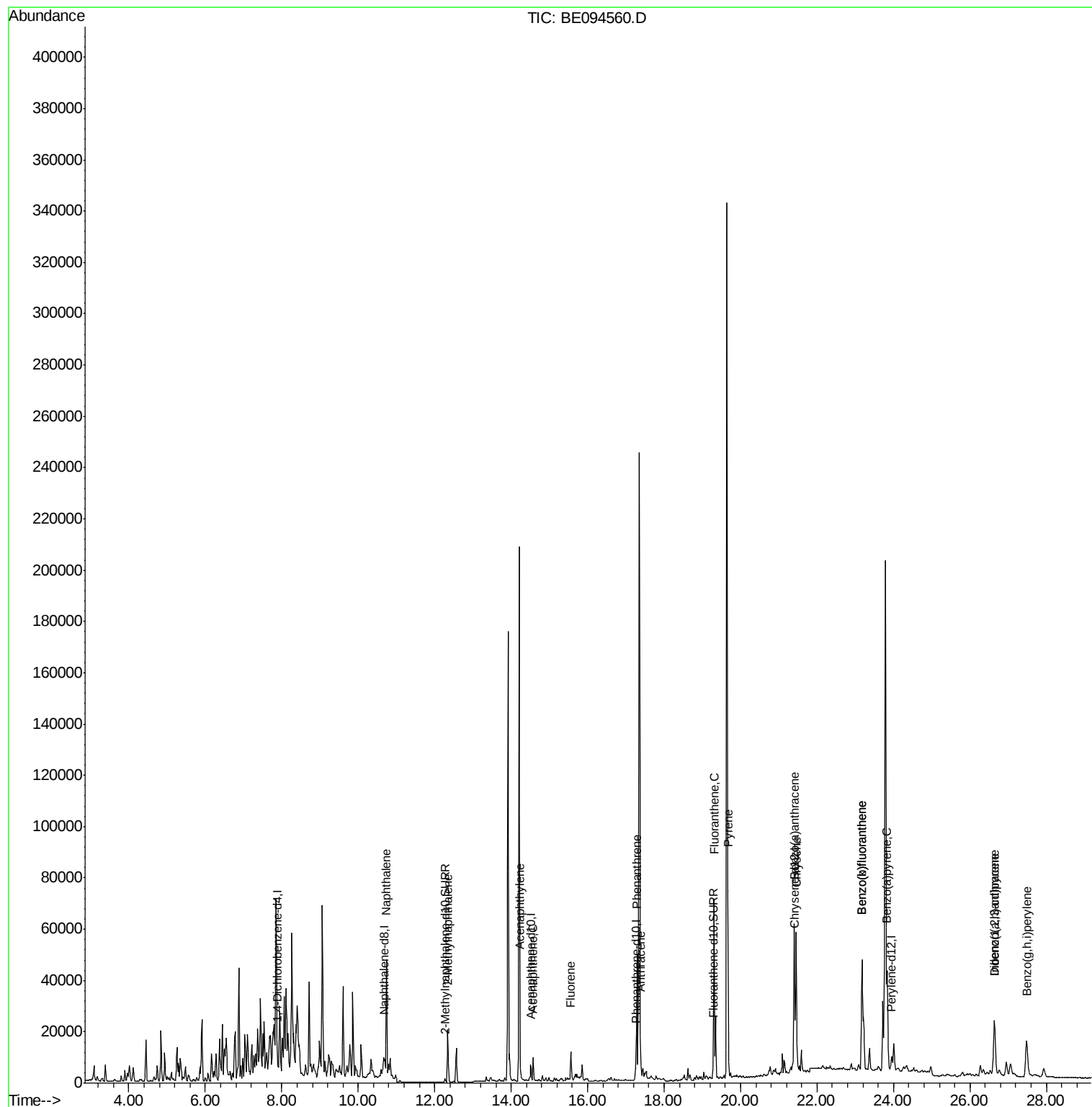
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1157	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	6286	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	3748	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8170	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	7972	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9357	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1873	0.18	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	4458	0.18	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	71577	4.657	ng/ul#	96
5) 2-Methylnaphthalene	12.34	142	17979	1.672	ng/ul	98
7) Acenaphthylene	14.24	152	3162	0.187	ng/ul#	89
8) Acenaphthene	14.57	153	5649	0.464	ng/ul	96
9) Fluorene	15.56	166	7329	0.536	ng/ul	92
12) Phenanthrene	17.29	178	58054	2.690	ng/ul#	93
13) Anthracene	17.38	178	14790	0.695	ng/ul#	93
15) Fluoranthene	19.31	202	81501	3.267	ng/ul	84
17) Pyrene	19.67	202	78384	3.181	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	51348	2.253	ng/ul#	90
19) Chrysene	21.46	228	58424	2.480	ng/ul	96
21) Benzo(b)fluoranthene	23.18	252	105937	4.025	ng/ul	91
22) Benzo(k)fluoranthene	23.18	252	105937	3.756	ng/ul#	92
23) Benzo(a)pyrene	23.84	252	57857	2.199	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.64	276	42320	1.554	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.64	278	11601	0.506	ng/ul#	81
26) Benzo(a,h,i)perylene	27.48	276	39031	1.785	ng/ul	97

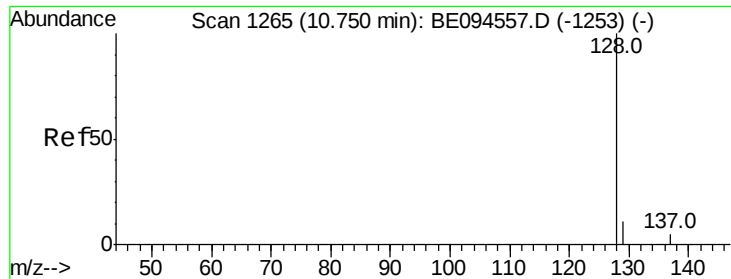
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 4.657 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

Instrument :

BNA_E

ClientSampleId :

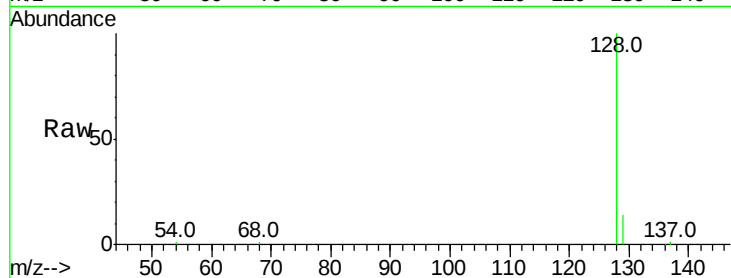
Tot Ion:128 Resp: 71577

Ion Ratio Lower Upper

128 100

129 14.0 11.3 16.9

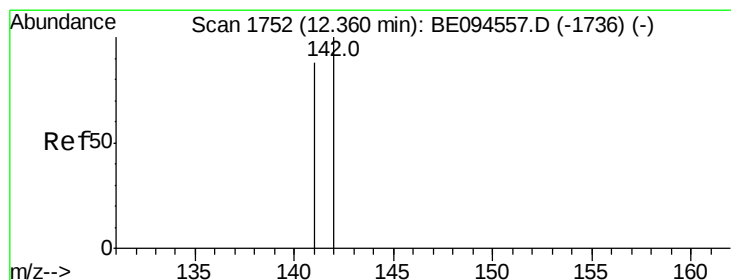
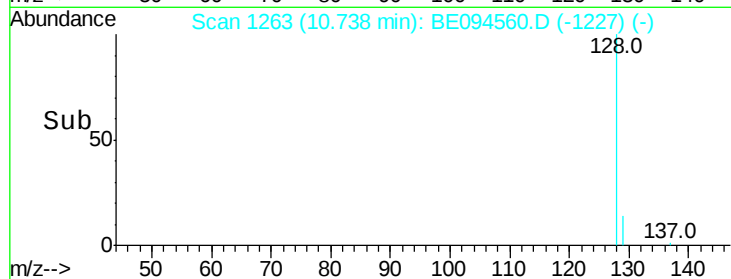
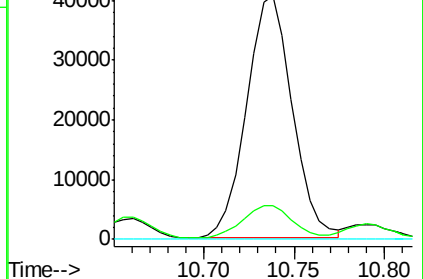
127 0.0 4.0 6.0#



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: 1.672 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094560.D

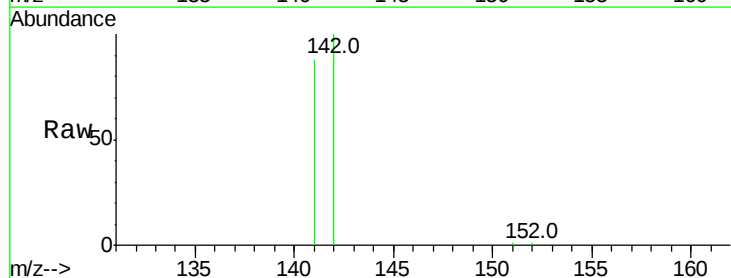
Acq: 26 Oct 2017 13:38

Tgt Ion:142 Resp: 17979

Ion Ratio Lower Upper

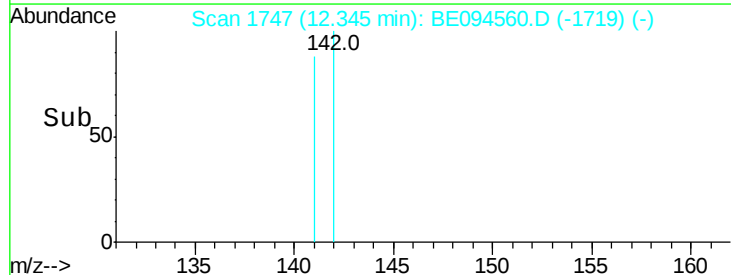
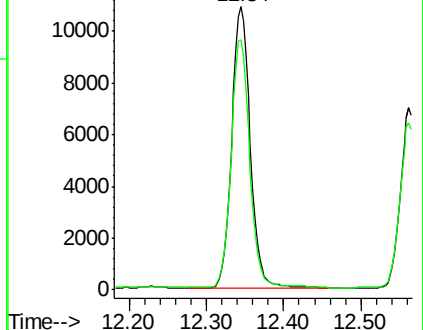
142 100

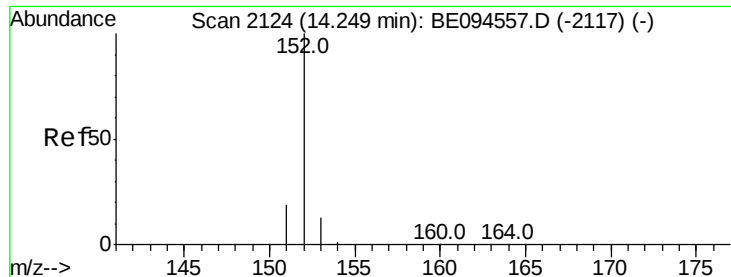
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.187 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

Instrument :

BNA_E

ClientSampleId :

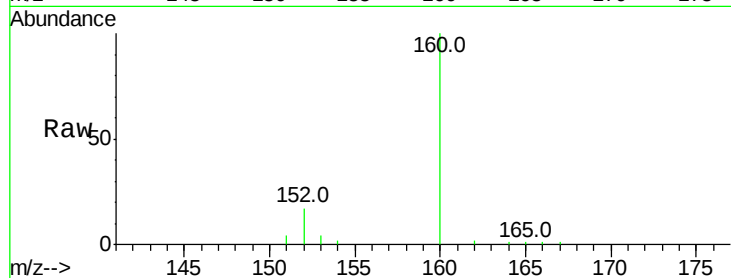
Tot Ion:152 Resp: 3162

Ion Ratio Lower Upper

152 100

151 25.2 17.1 25.7

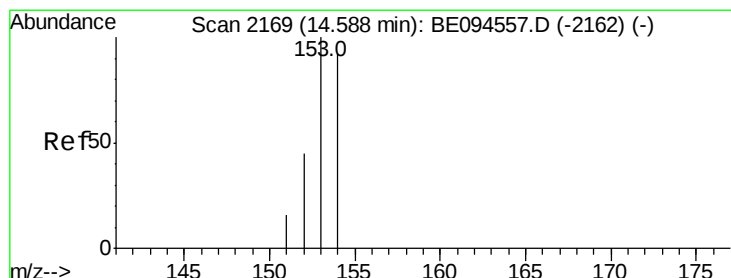
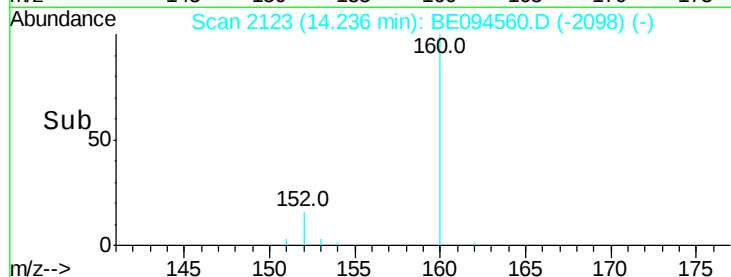
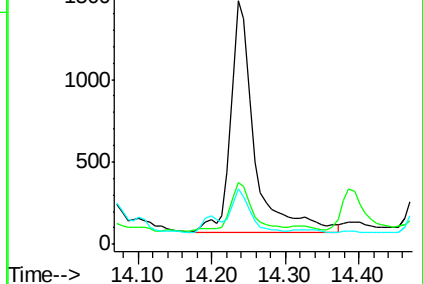
153 22.8 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.464 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

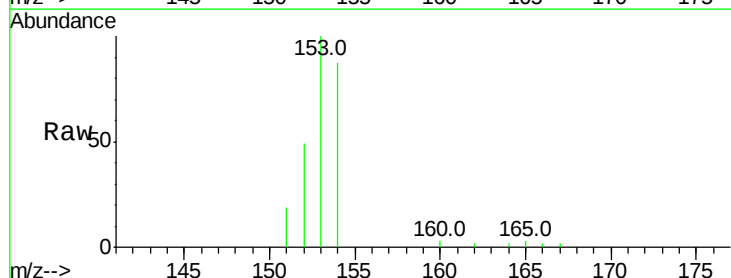
Tgt Ion:153 Resp: 5649

Ion Ratio Lower Upper

153 100

152 48.5 36.0 54.0

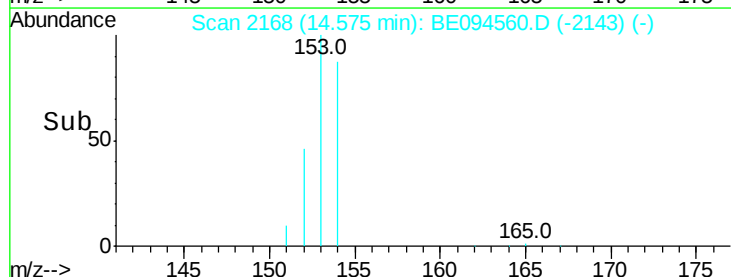
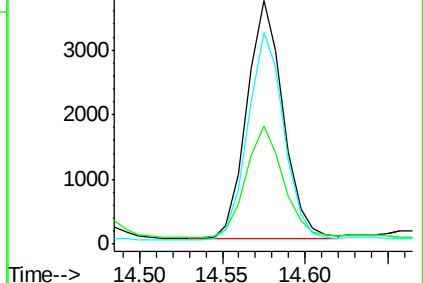
154 87.1 72.0 108.0

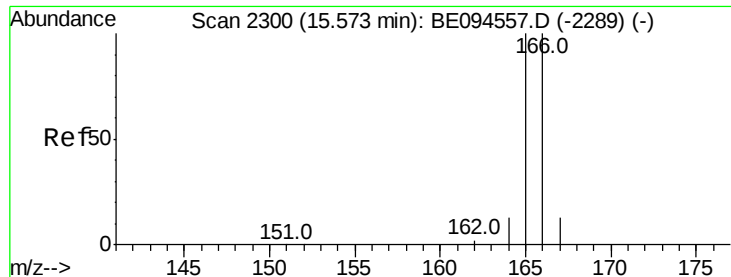


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.536 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

Instrument :

BNA_E

ClientSampleId :

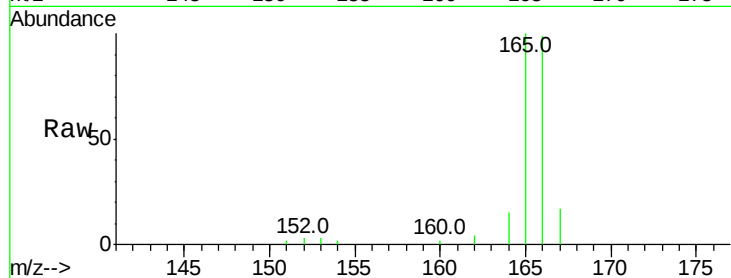
Tot Ion:166 Resp: 7329

Ion Ratio Lower Upper

166 100

165 101.0 73.4 110.2

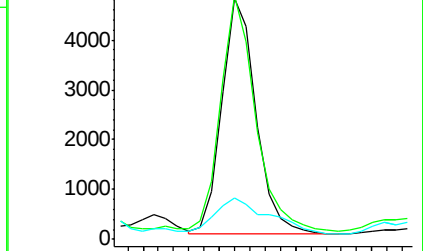
167 17.3 14.6 22.0



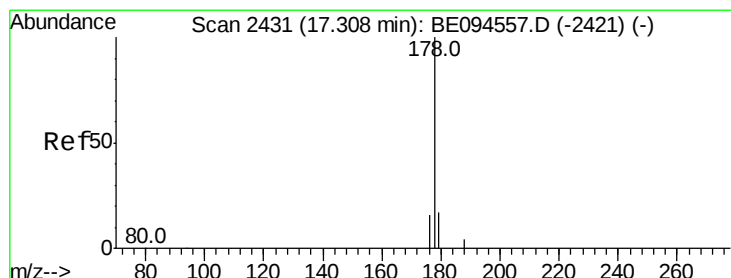
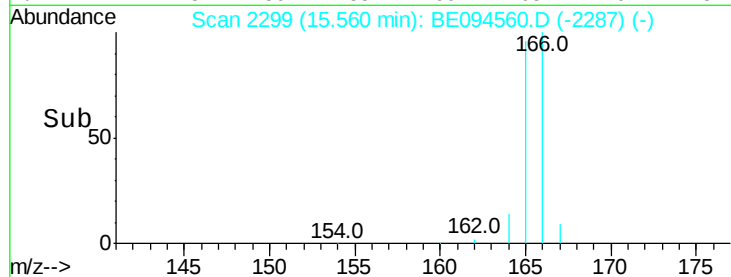
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 2.690 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

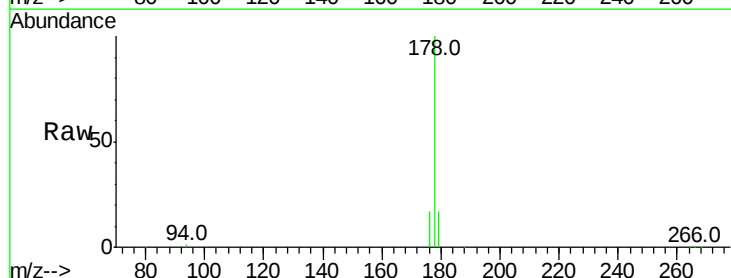
Tgt Ion:178 Resp: 58054

Ion Ratio Lower Upper

178 100

179 17.1 18.4 27.6#

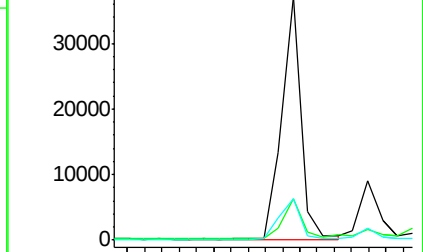
176 16.8 13.6 20.4



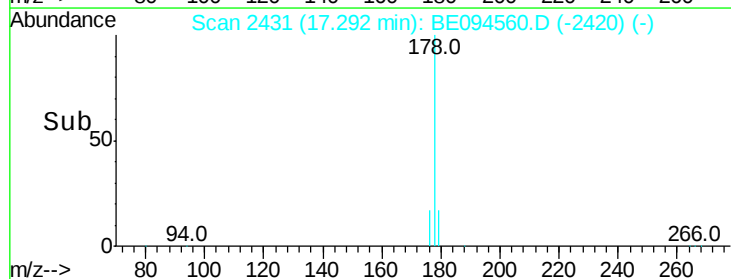
Abundance Ion 178.00 (177.70 to 178.70): E

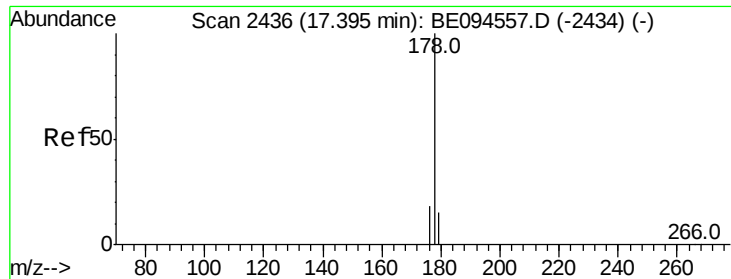
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.695 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

Instrument :

BNA_E

ClientSampleId :

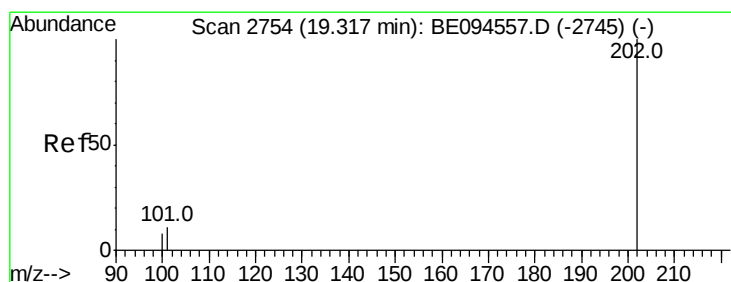
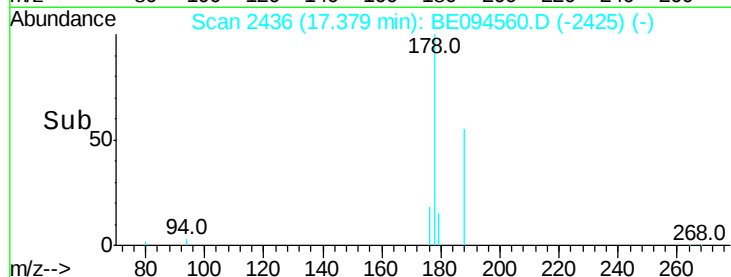
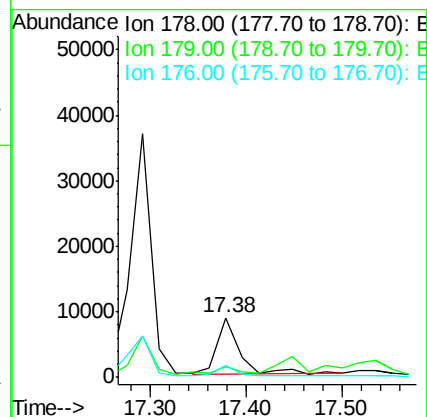
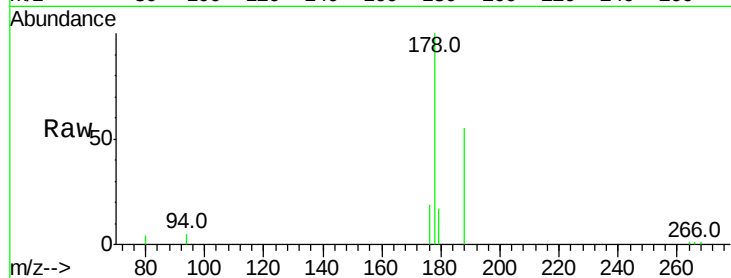
Tot Ion:178 Resp: 14790

Ion Ratio Lower Upper

178 100

179 17.0 18.1 27.1#

176 19.1 14.7 22.1



#15

Fluoranthene

Concen: 3.267 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

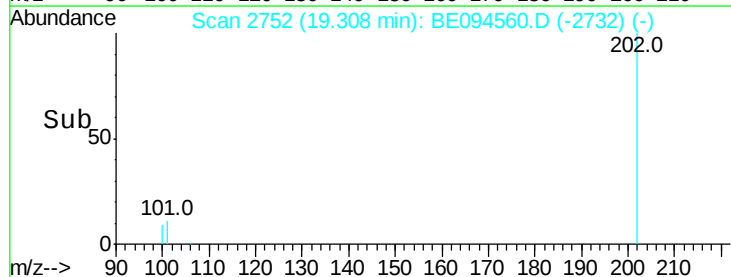
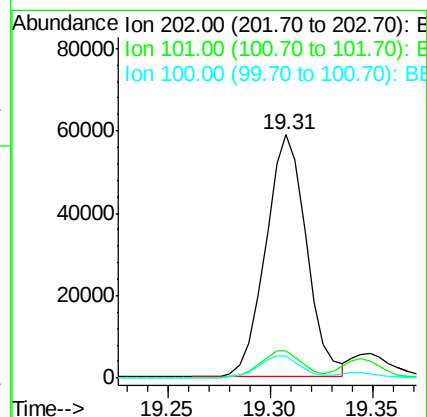
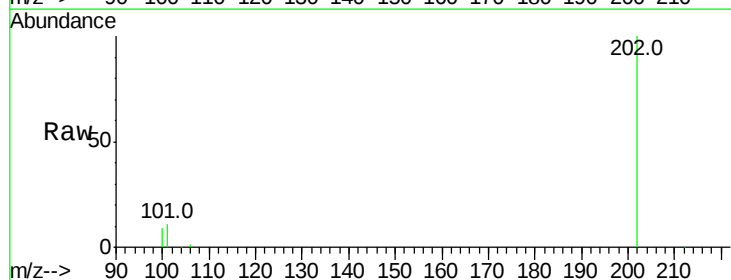
Tgt Ion:202 Resp: 81501

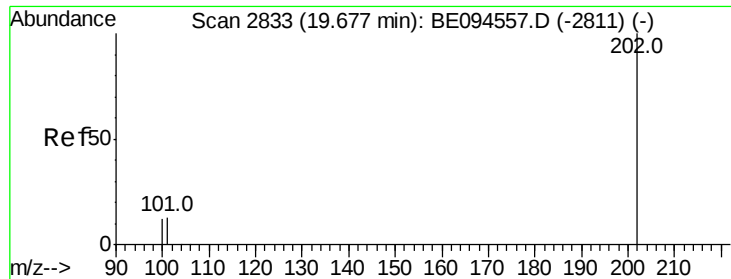
Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.3

100 8.9 0.0 39.5

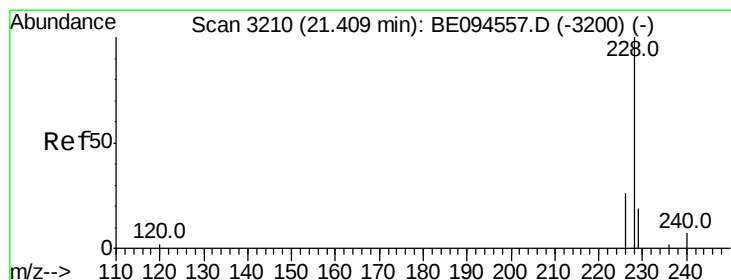
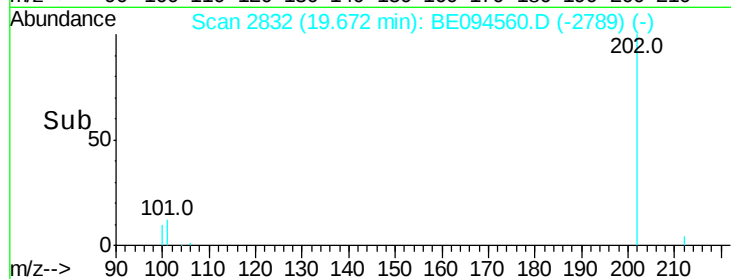
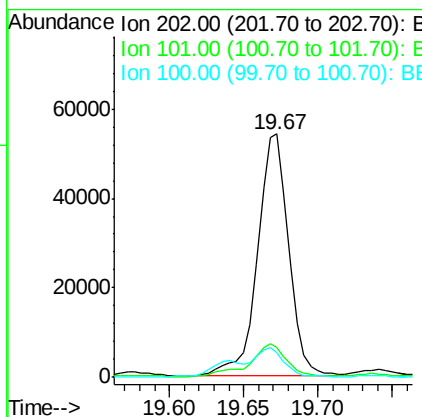
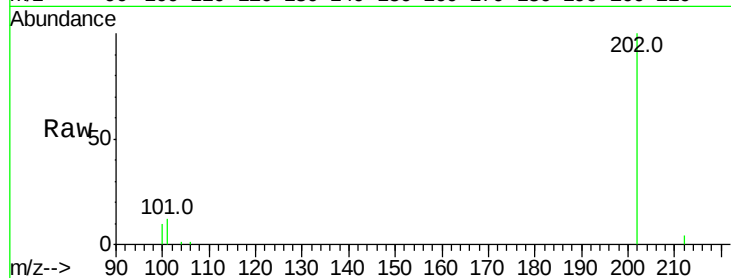




#17
Pvrene
Concen: 3.181 ng/ul
RT: 19.67 min Scan# 2832
Delta R.T. -0.01 min
Lab File: BE094560.D
Acq: 26 Oct 2017 13:38

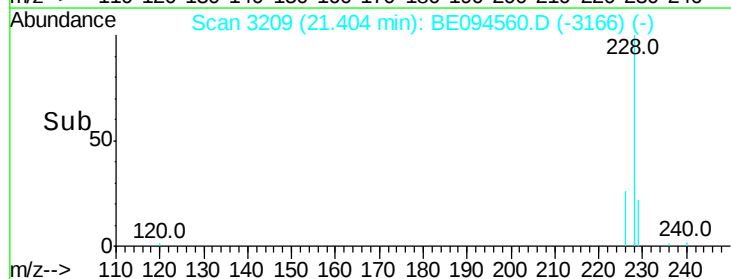
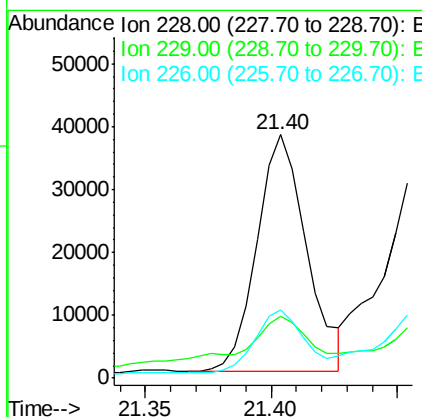
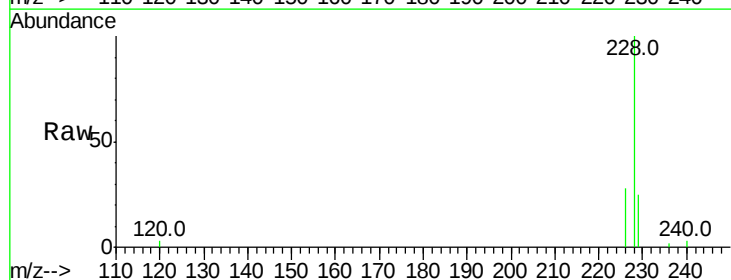
Instrument :
BNA_E
ClientSampleId :

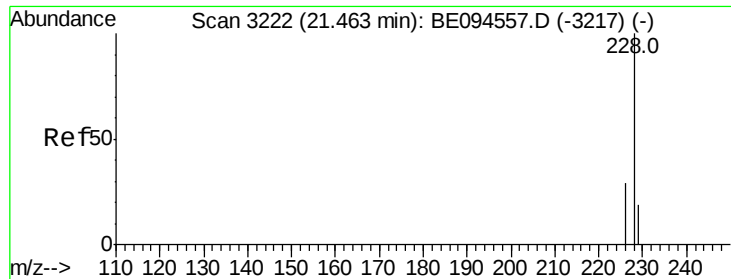
Tot Ion:202 Resp: 78384
Ion Ratio Lower Upper
202 100
101 12.5 18.2 27.4#
100 10.1 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 2.253 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BE094560.D
Acq: 26 Oct 2017 13:38

Tgt Ion:228 Resp: 51348
Ion Ratio Lower Upper
228 100
229 25.2 22.8 34.2
226 27.9 17.0 25.6#





#19

Chrysene

Concen: 2.480 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

Instrument :

BNA_E

ClientSampleId :

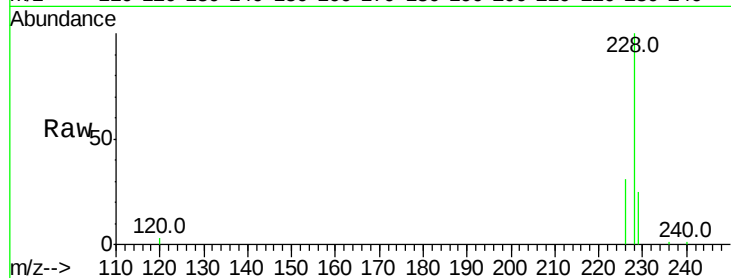
Tot Ion:228 Resp: 58424

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

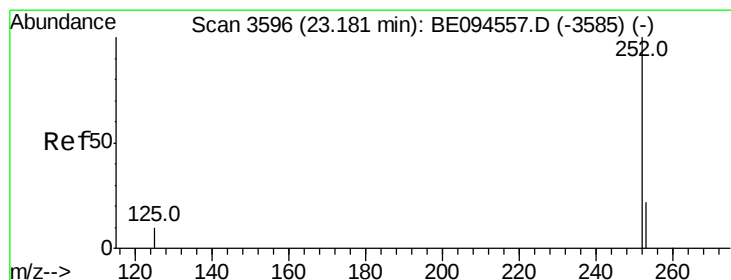
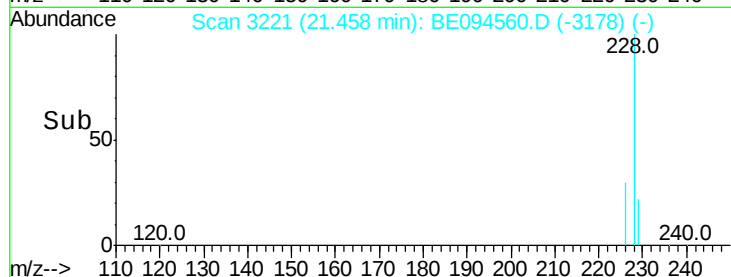
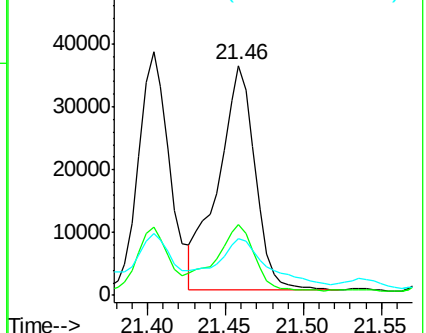
229 24.6 17.7 26.5



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: 4.025 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

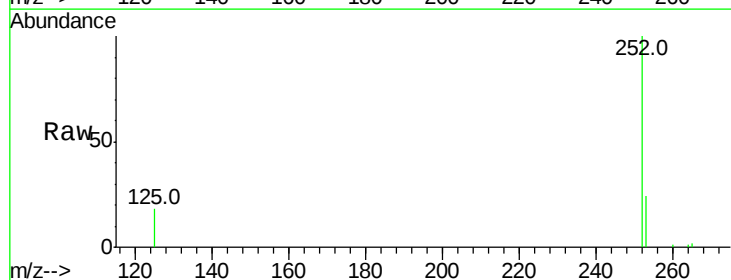
Tgt Ion:252 Resp: 105937

Ion Ratio Lower Upper

252 100

253 24.1 0.0 64.2

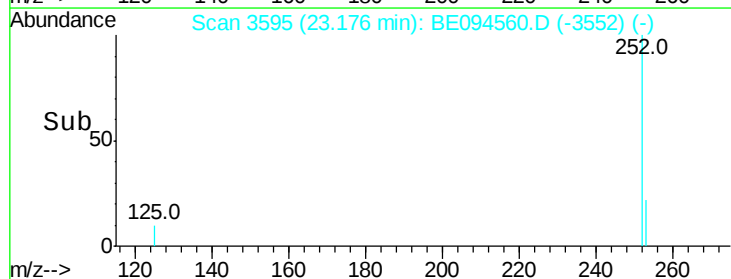
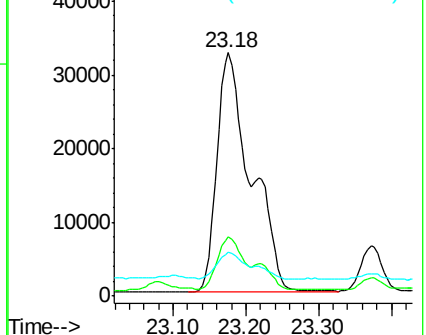
125 17.8 0.0 35.0

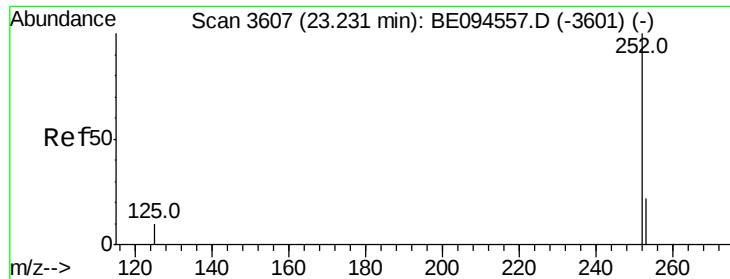


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.756 ng/u1

RT: 23.18 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

Instrument :

BNA_E

ClientSampleId :

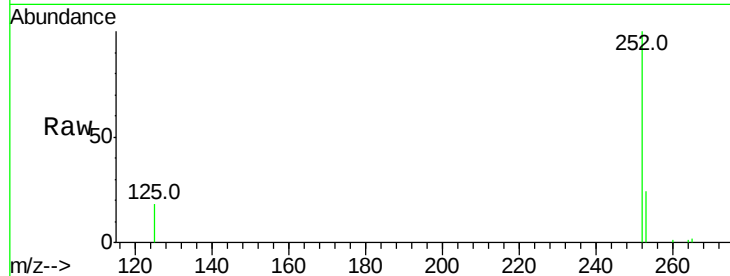
Tot Ion:252 Resp: 105937

Ion Ratio Lower Upper

252 100

253 24.1 24.5 36.7#

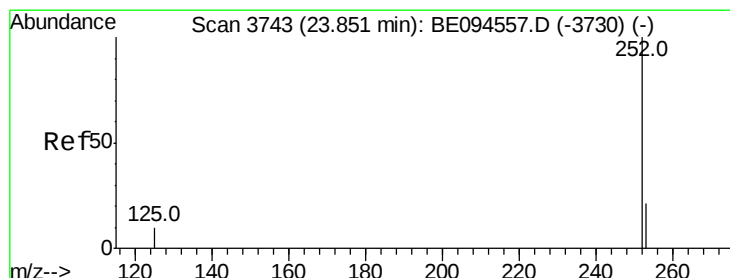
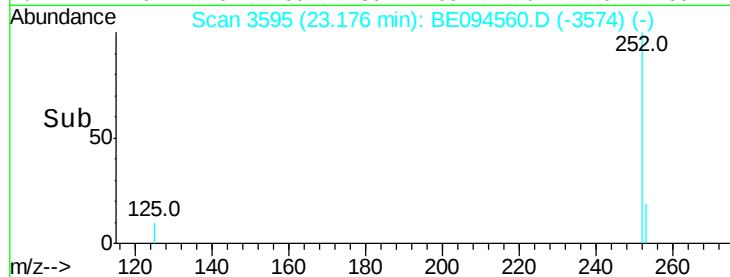
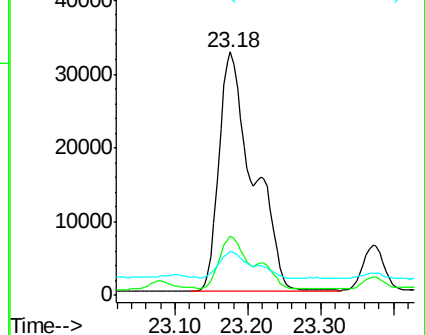
125 17.8 13.7 20.5



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: 2.199 ng/u1

RT: 23.84 min Scan# 3740

Delta R.T. -0.01 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

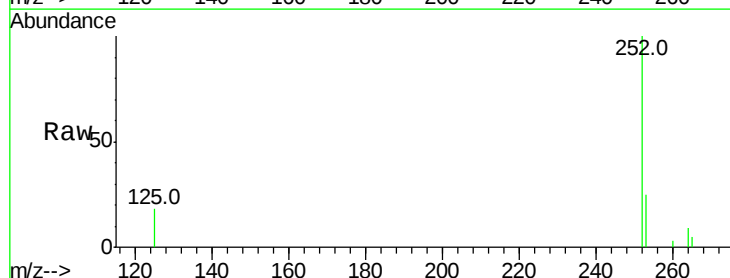
Tgt Ion:252 Resp: 57857

Ion Ratio Lower Upper

252 100

253 25.1 28.5 42.7#

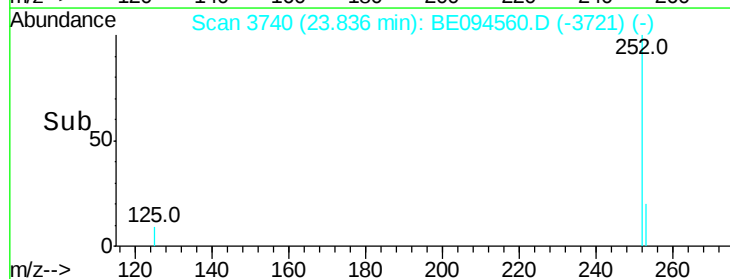
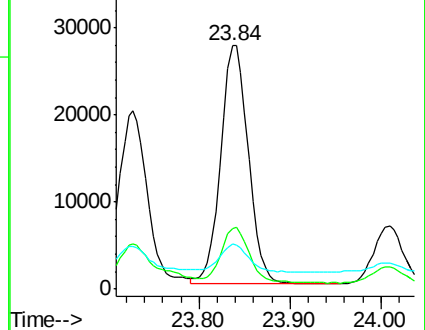
125 18.4 18.1 27.1

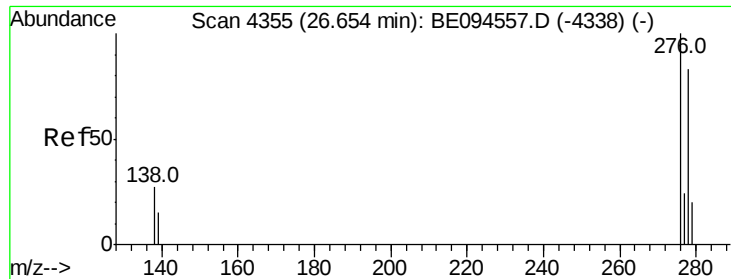


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.554 ng/ul

RT: 26.64 min Scan# 4351

Delta R.T. -0.02 min

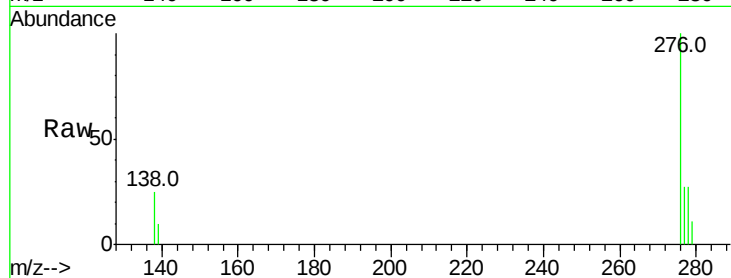
Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

Instrument :

BNA_E

ClientSampleId :



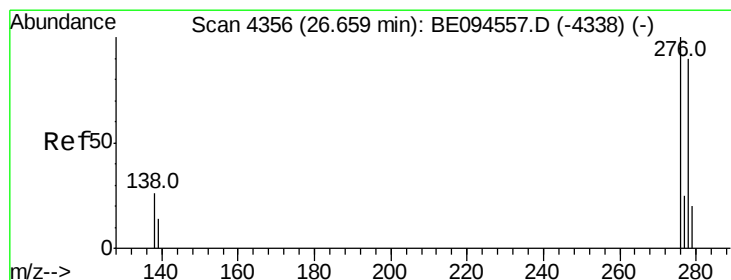
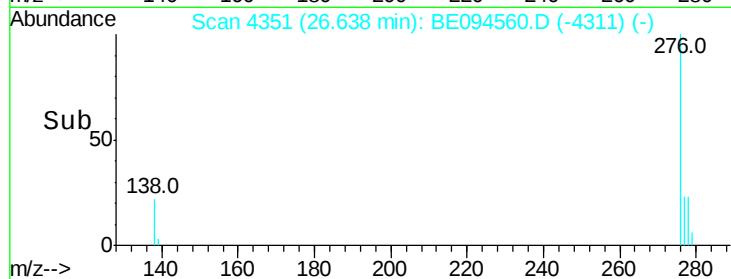
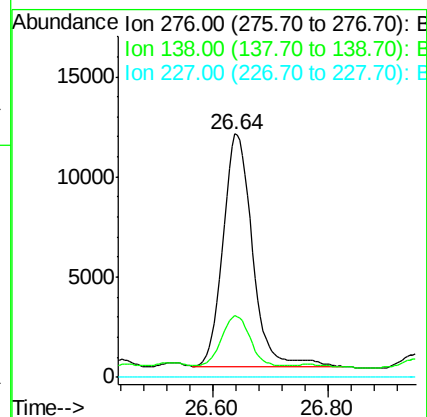
Tot Ion:276 Resp: 42320

Ion Ratio Lower Upper

276 100

138 21.0 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.506 ng/ul

RT: 26.64 min Scan# 4351

Delta R.T. -0.02 min

Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

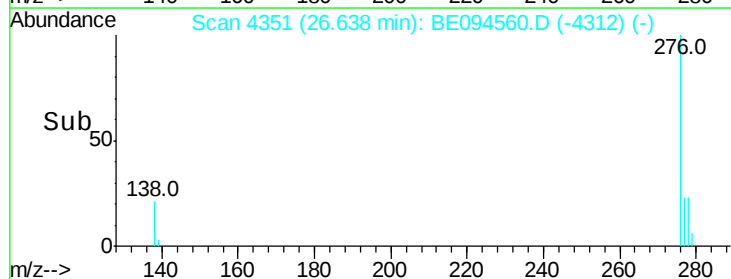
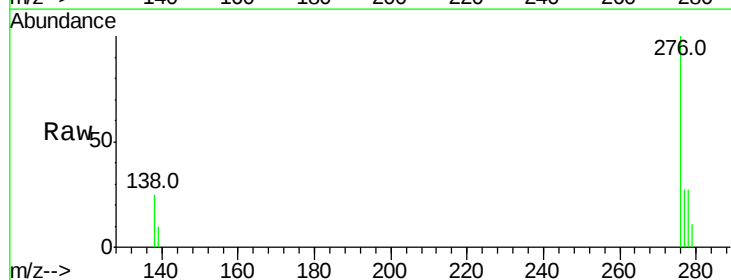
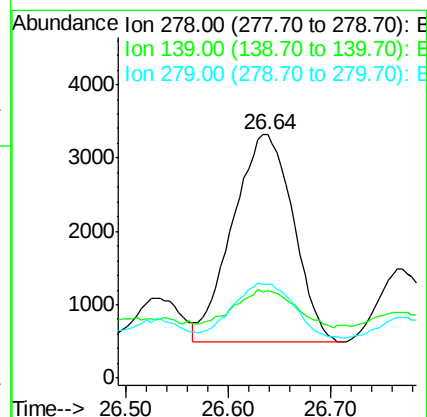
Tgt Ion:278 Resp: 11601

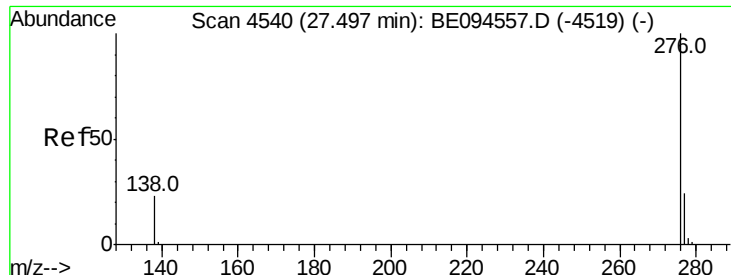
Ion Ratio Lower Upper

278 100

139 36.1 17.4 26.0#

279 38.6 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.785 ng/ul

RT: 27.48 min Scan# 4536

Delta R.T. -0.02 min

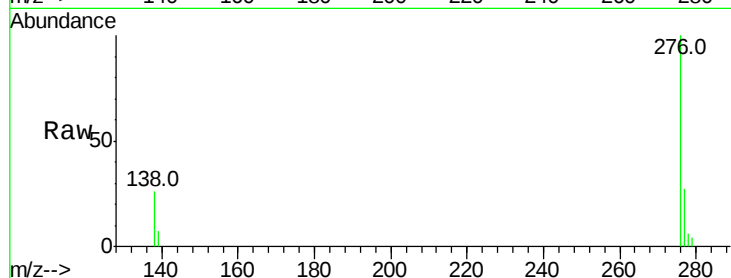
Lab File: BE094560.D

Acq: 26 Oct 2017 13:38

Instrument :

BNA_E

ClientSampleId :



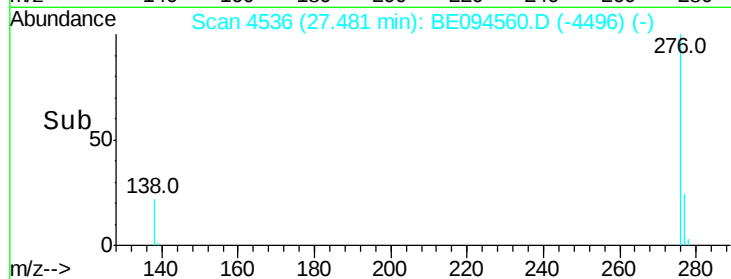
Tot Ion:276 Resp: 39031

Ion Ratio Lower Upper

276 100

138 25.8 21.8 32.8

277 27.4 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

