

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094323.D
 Acq On : 13 Oct 2017 13:56
 Operator : SJ/JU
 Sample : I5533-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 02:18:15 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 02:15:10 2017
 Response via : Initial Calibration

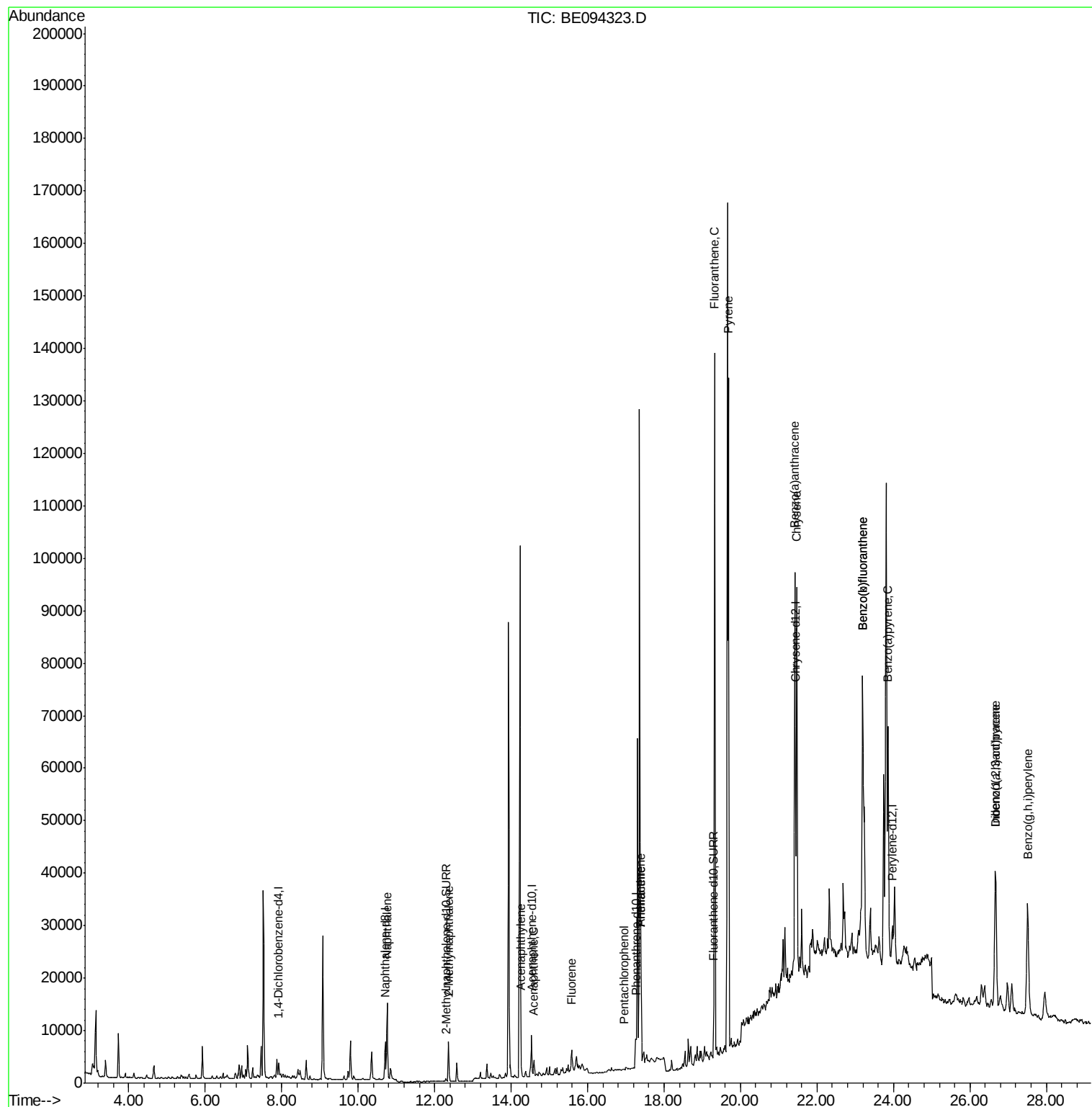
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1515	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	7676	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	4424	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	9432	0.40	ng/ul	0.02
16) Chrysene-d12	21.43	240	9376	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9901	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	848	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1931	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	22666	1.206	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	6724	0.551	ng/ul	99
7) Acenaphthylene	14.26	152	3425	0.199	ng/ul#	89
8) Acenaphthene	14.60	153	2037	0.143	ng/ul	94
9) Fluorene	15.58	166	3128	0.188	ng/ul#	88
11) Pentachlorophenol	16.96	266	133	0.120	ng/ul#	50
12) Phenanthrene	17.40	178	18249	0.740	ng/ul	92
13) Anthracene	17.40	178	19486	0.813	ng/ul	94
15) Fluoranthene	19.32	202	152042	4.695	ng/ul	84
17) Pyrene	19.68	202	142288	5.454	ng/ul#	84
18) Benzo(a)anthracene	21.42	228	74448	2.993	ng/ul#	90
19) Chrysene	21.47	228	79434	2.765	ng/ul#	87
21) Benzo(b)fluoranthene	23.20	252	131114	4.875	ng/ul	86
22) Benzo(k)fluoranthene	23.20	252	131114	4.217	ng/ul#	85
23) Benzo(a)pyrene	23.86	252	69288	2.479	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.67	276	49321	1.725	ng/ul#	81
25) Dibenzo(a,h)anthracene	26.66	278	12814	0.534	ng/ul#	1
26) Benzo(g,h,i)perylene	27.51	276	50233	2.037	ng/ul#	83

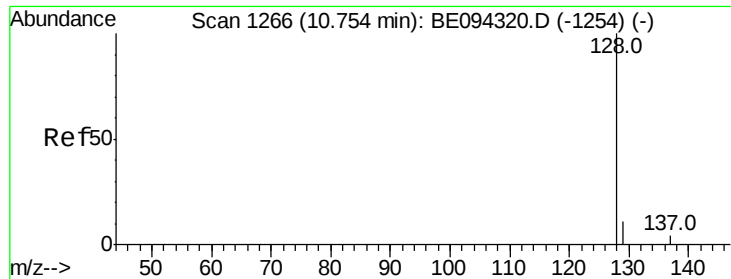
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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#3

Naphthalene

Concen: 1.206 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

Instrument :

BNA_E

ClientSampleId :

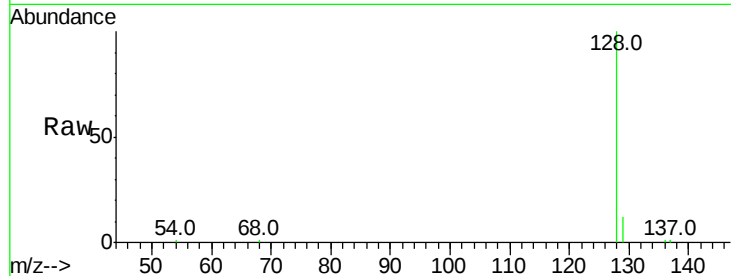
Tot Ion:128 Resp: 22666

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

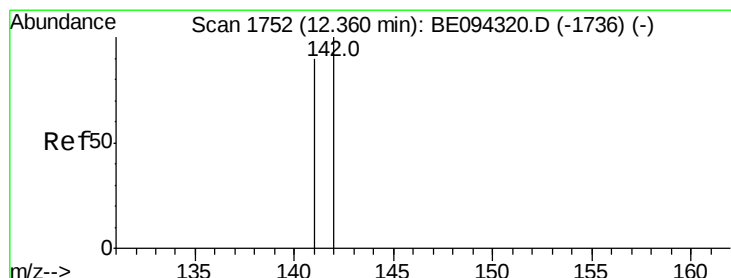
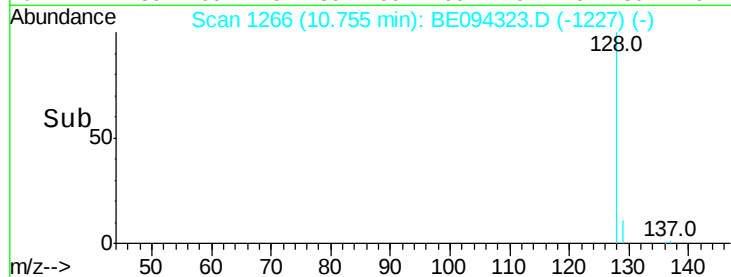
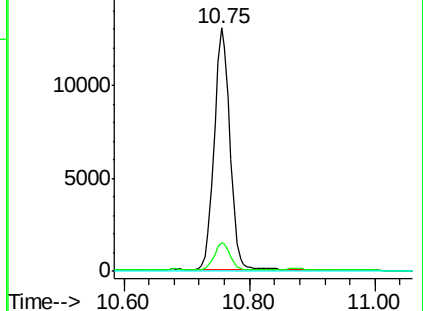
127 0.0 4.0 6.0#



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: 0.551 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BE094323.D

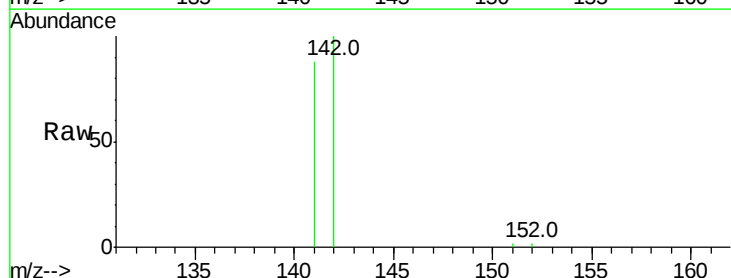
Acq: 13 Oct 2017 13:56

Tgt Ion:142 Resp: 6724

Ion Ratio Lower Upper

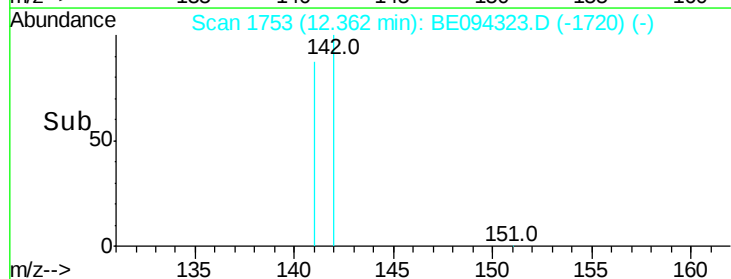
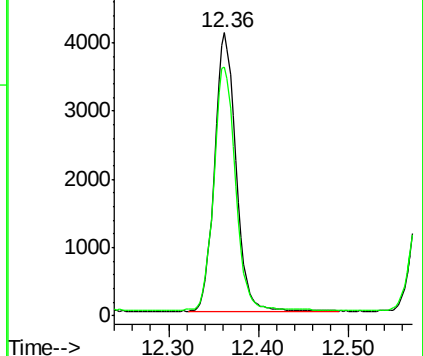
142 100

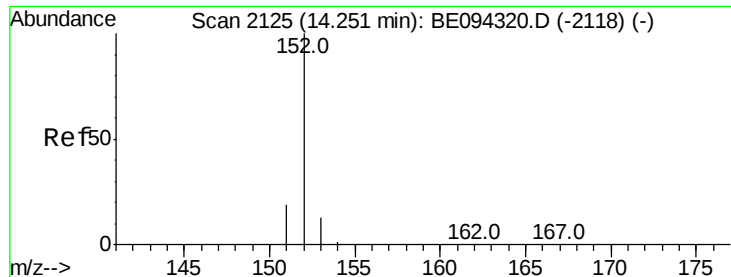
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.199 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.01 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

Instrument :

BNA_E

ClientSampleId :

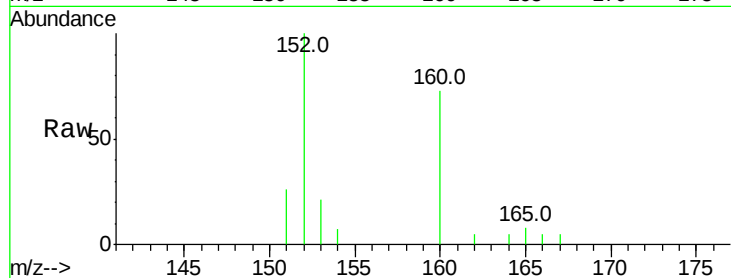
Tot Ion:152 Resp: 3425

Ion Ratio Lower Upper

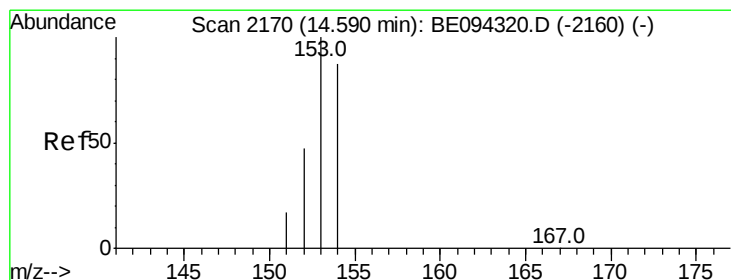
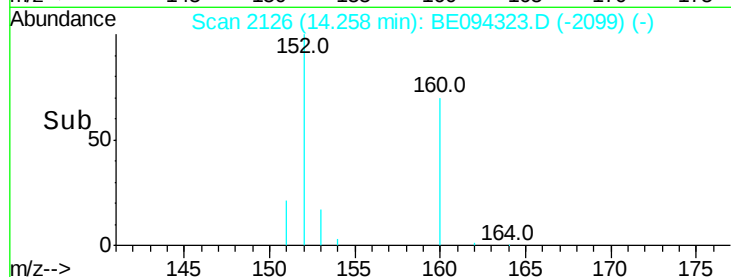
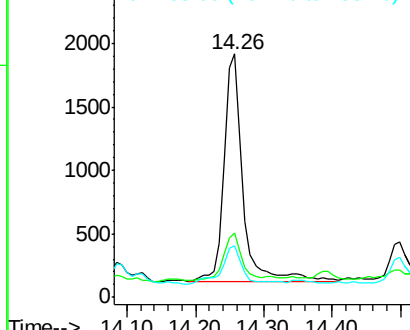
152 100

151 26.2 17.1 25.7#

153 21.4 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: 0.143 ng/ul

RT: 14.60 min Scan# 2171

Delta R.T. 0.01 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

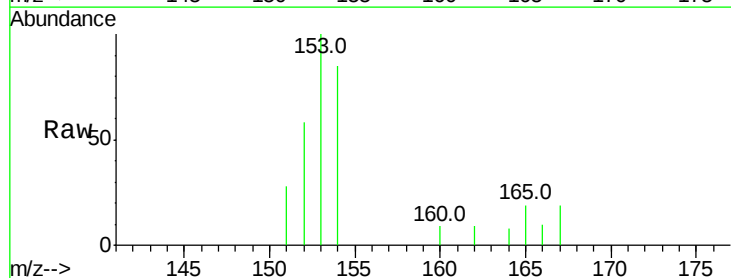
Tgt Ion:153 Resp: 2037

Ion Ratio Lower Upper

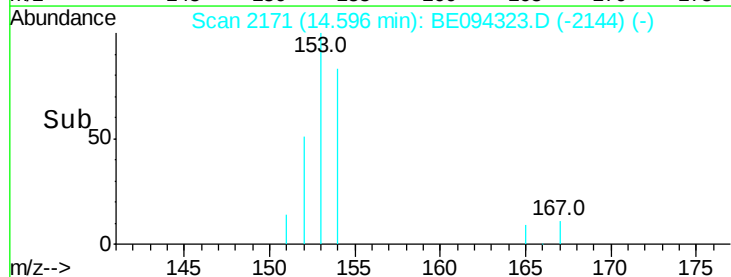
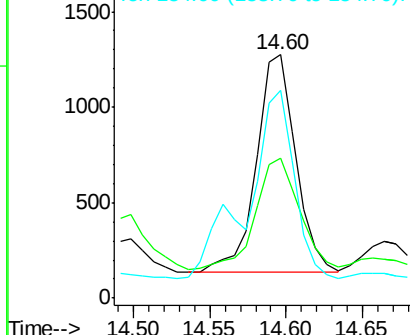
153 100

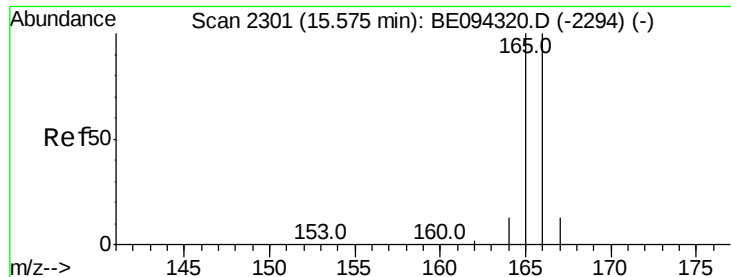
152 57.6 40.3 60.5

154 85.3 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: 0.188 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. 0.01 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

Instrument :

BNA_E

ClientSampleId :

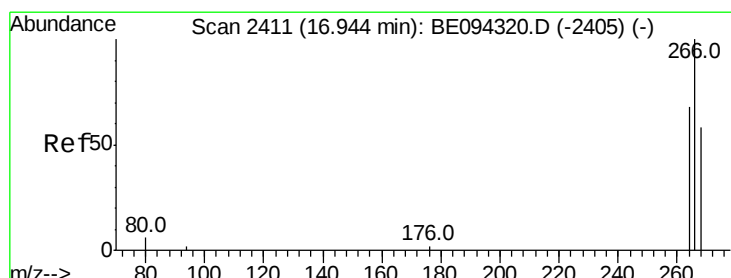
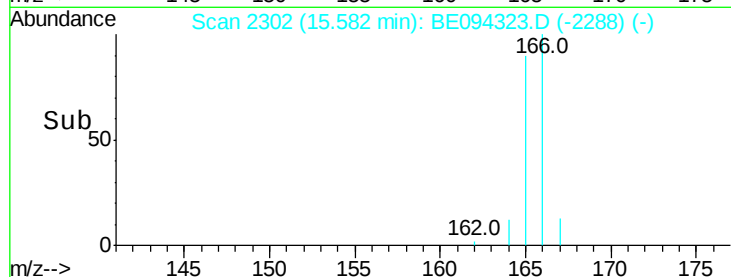
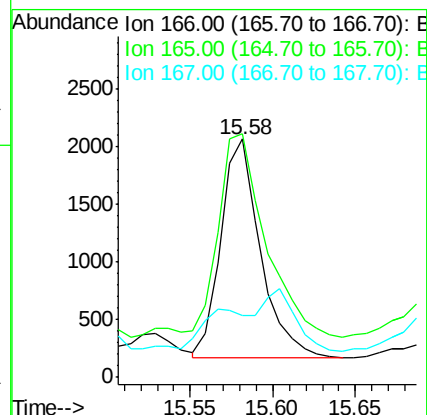
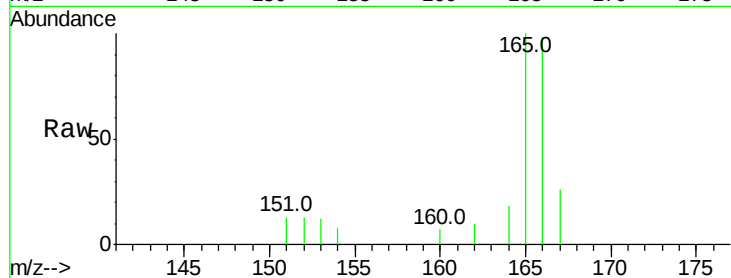
Tot Ion:166 Resp: 3128

Ion Ratio Lower Upper

166 100

165 102.1 73.4 110.2

167 26.1 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.120 ng/ul

RT: 16.96 min Scan# 2412

Delta R.T. 0.02 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

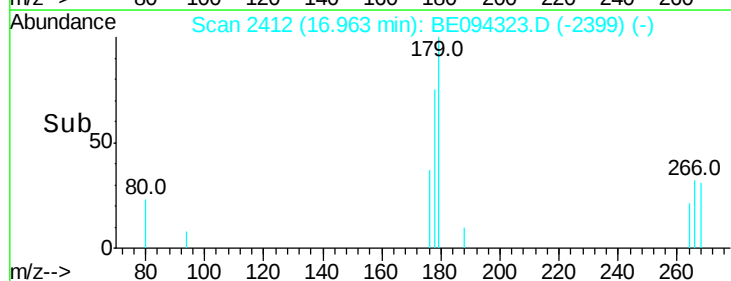
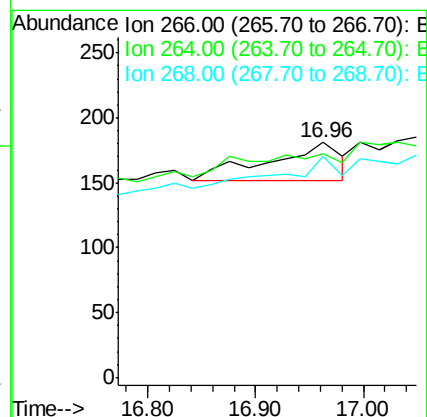
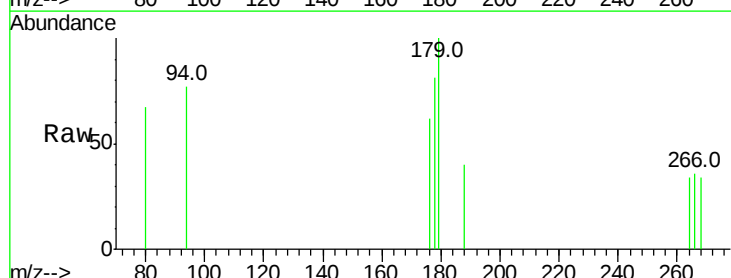
Tgt Ion:266 Resp: 133

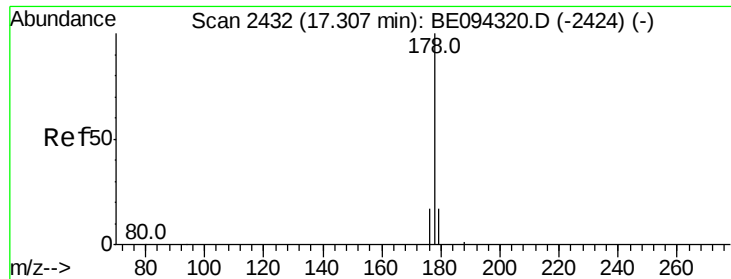
Ion Ratio Lower Upper

266 100

264 114.3 47.9 71.9#

268 85.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.740 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.09 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

Instrument :

BNA_E

ClientSampleId :

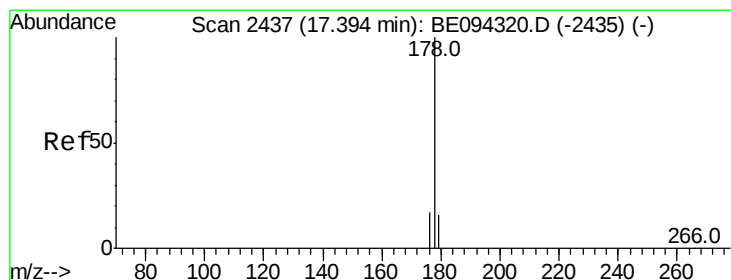
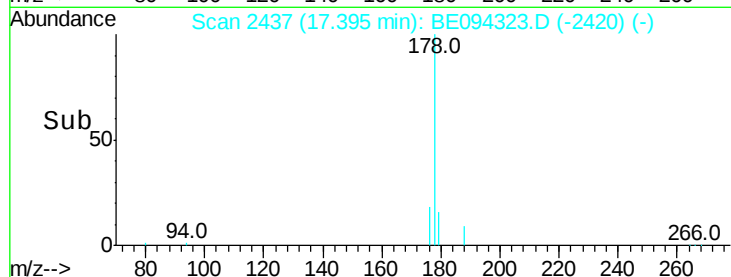
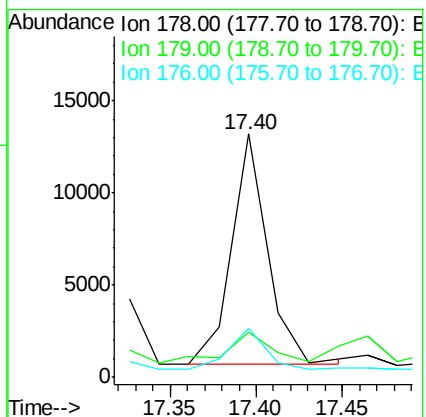
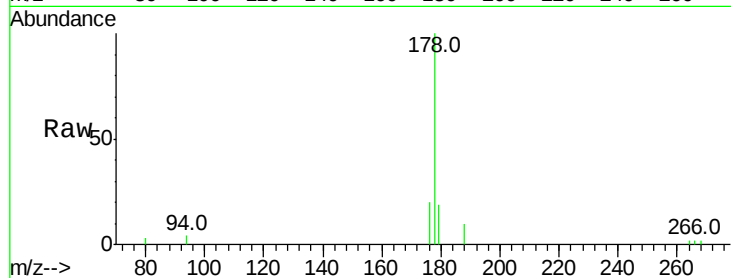
Tot Ion:178 Resp: 18249

Ion Ratio Lower Upper

178 100

179 18.8 18.4 27.6

176 20.4 13.6 20.4



#13

Anthracene

Concen: 0.813 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

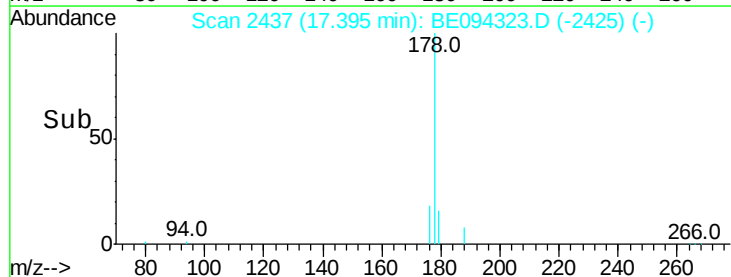
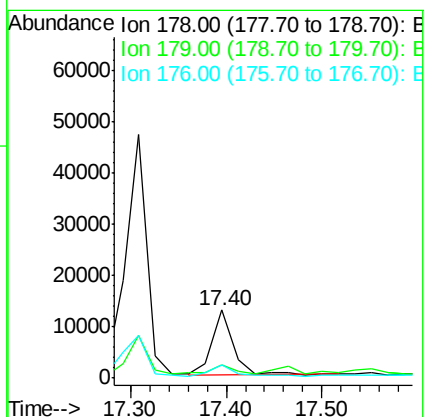
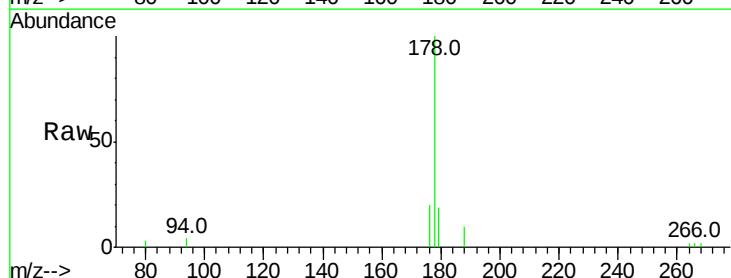
Tgt Ion:178 Resp: 19486

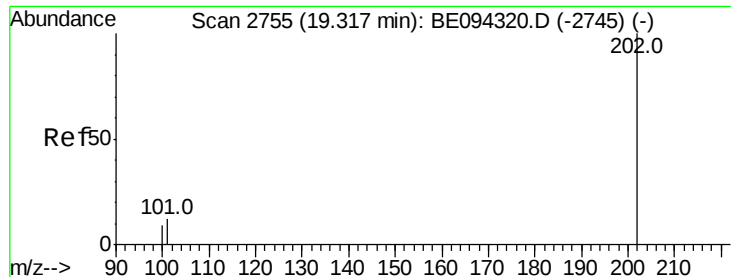
Ion Ratio Lower Upper

178 100

179 18.8 18.1 27.1

176 20.4 14.7 22.1





#15

Fluoranthene

Concen: 4.695 ng/ul

RT: 19.32 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

Instrument :

BNA_E

ClientSampleId :

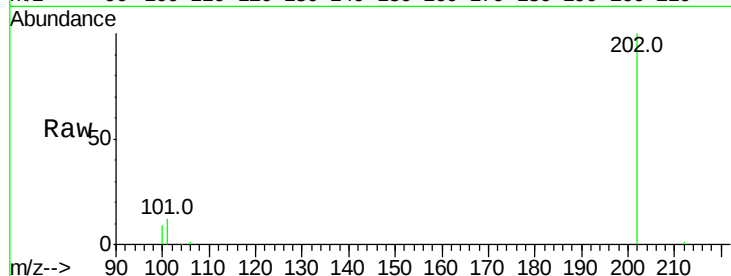
Tot Ion:202 Resp: 152042

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

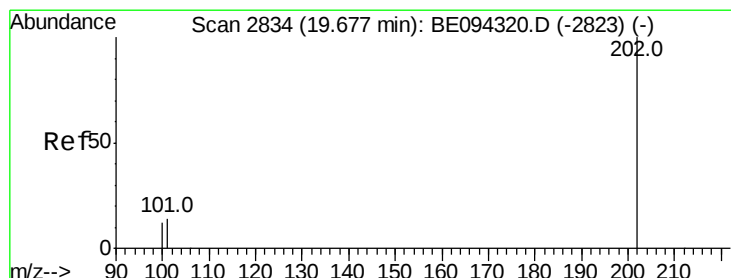
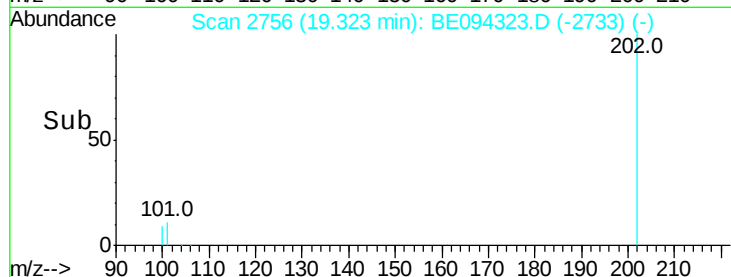
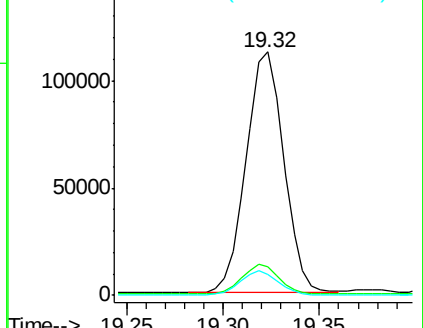
100 8.8 0.0 39.5



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): BE



#17

Pyrene

Concen: 5.454 ng/ul

RT: 19.68 min Scan# 2835

Delta R.T. 0.01 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

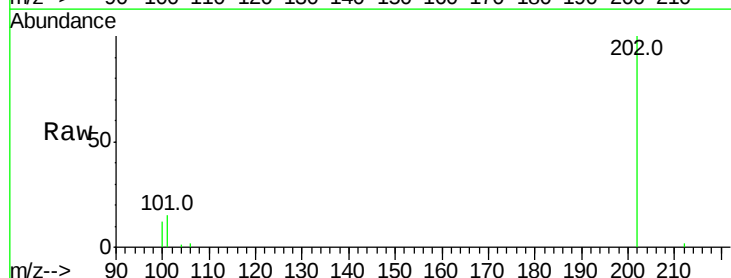
Tgt Ion:202 Resp: 142288

Ion Ratio Lower Upper

202 100

101 14.6 18.2 27.4#

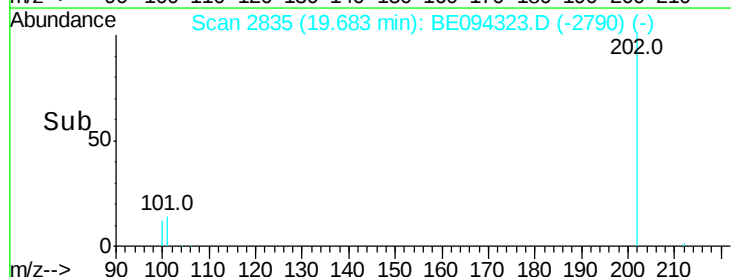
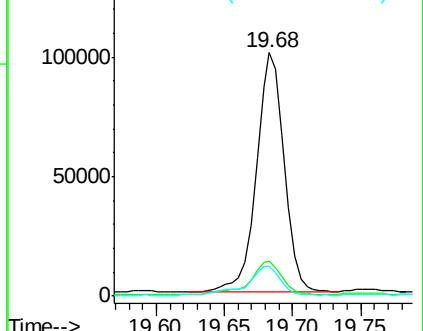
100 12.4 15.6 23.4#

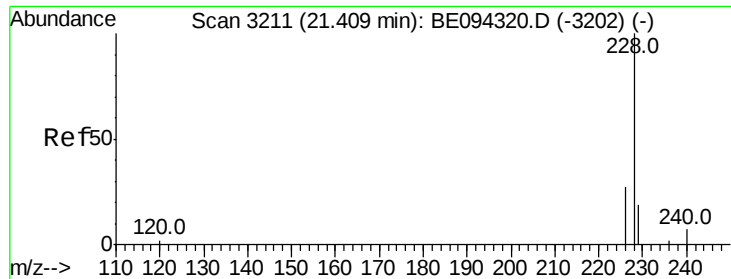


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

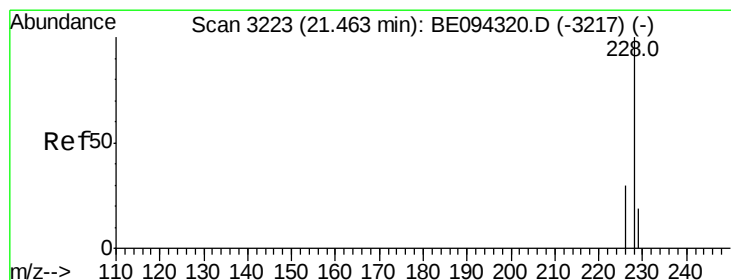
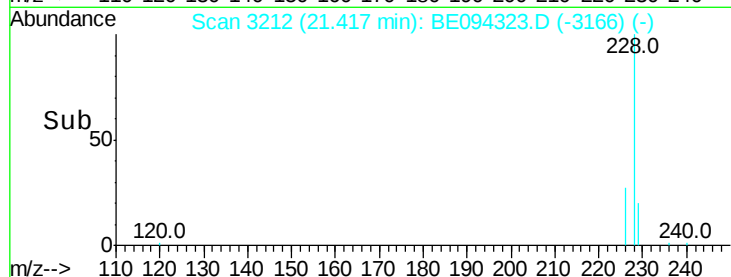
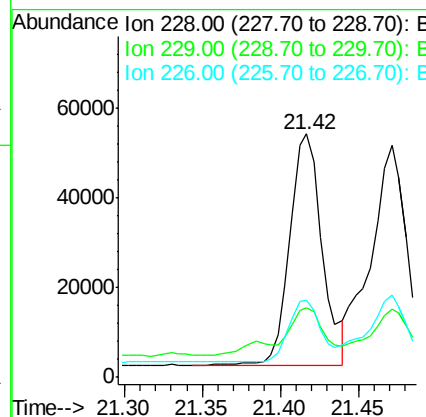
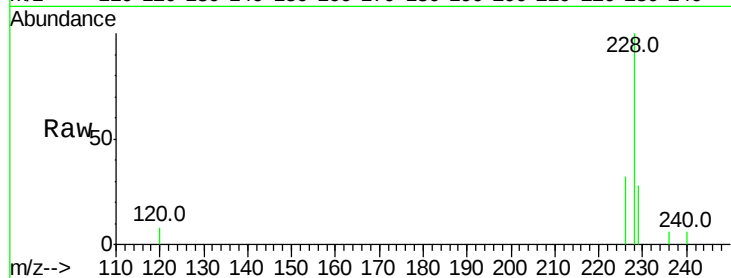




#18
Benzo(a)anthracene
Concen: 2.993 ng/ul
RT: 21.42 min Scan# 3212
Delta R.T. 0.01 min
Lab File: BE094323.D
Acq: 13 Oct 2017 13:56

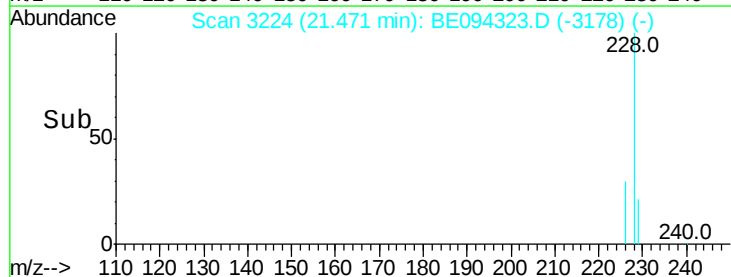
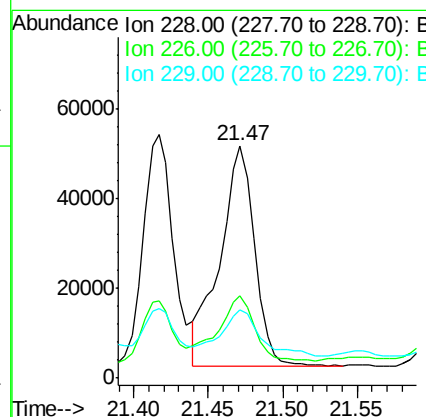
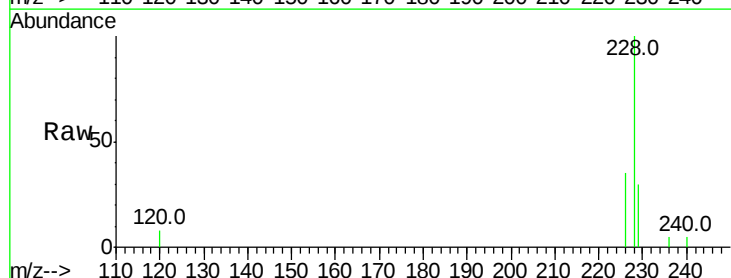
Instrument :
BNA_E
ClientSampleId :

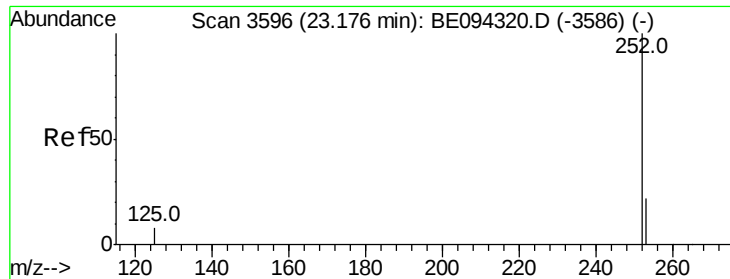
Tot Ion:228 Resp: 74448
Ion Ratio Lower Upper
228 100
229 28.4 22.8 34.2
226 31.8 17.0 25.6#



#19
Chrysene
Concen: 2.765 ng/ul
RT: 21.47 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BE094323.D
Acq: 13 Oct 2017 13:56

Tgt Ion:228 Resp: 79434
Ion Ratio Lower Upper
228 100
226 35.4 23.4 35.0#
229 29.5 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 4.875 ng/u1

RT: 23.20 min Scan# 3599

Delta R.T. 0.02 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

Instrument :

BNA_E

ClientSampleId :

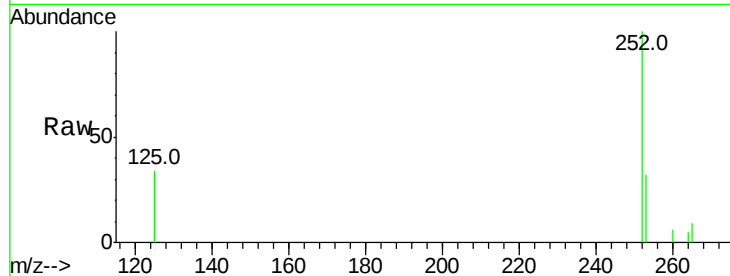
Tot Ion:252 Resp: 131114

Ion Ratio Lower Upper

252 100

253 31.7 0.0 64.2

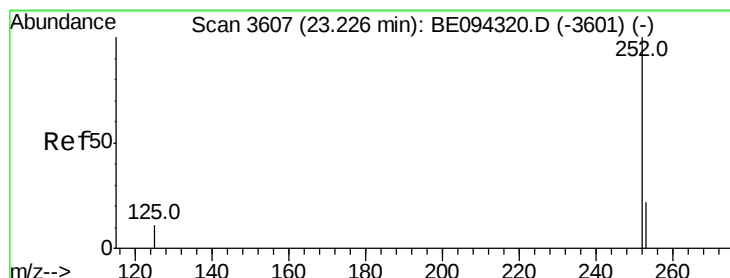
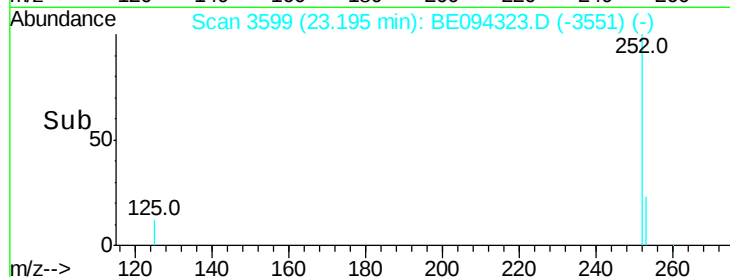
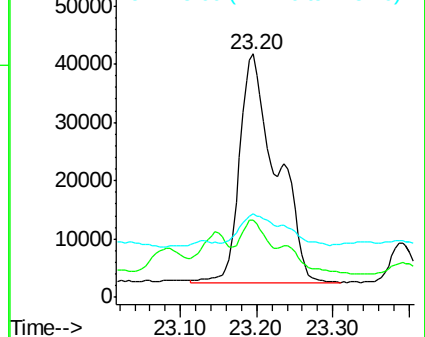
125 34.2 0.0 35.0



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: 4.217 ng/u1

RT: 23.20 min Scan# 3599

Delta R.T. -0.03 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

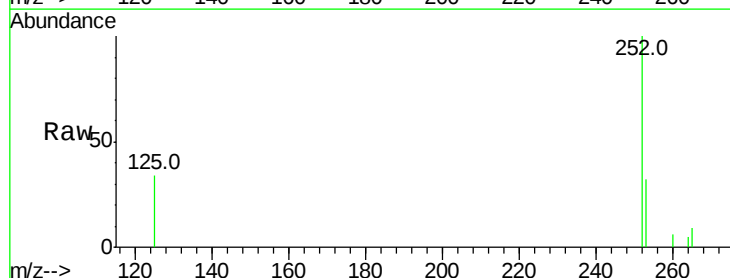
Tgt Ion:252 Resp: 131114

Ion Ratio Lower Upper

252 100

253 31.7 24.5 36.7

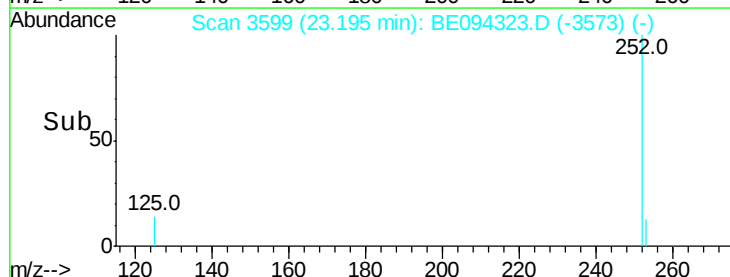
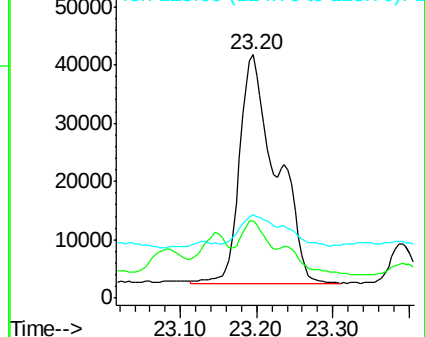
125 34.2 13.7 20.5#

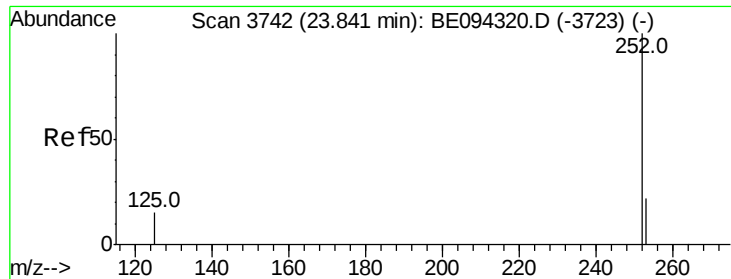


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.479 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. 0.02 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

Instrument :

BNA_E

ClientSampleId :

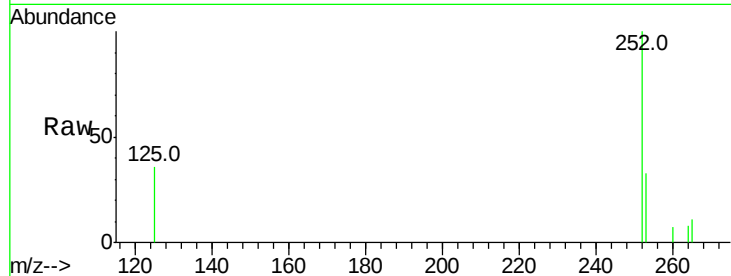
Tot Ion:252 Resp: 69288

Ion Ratio Lower Upper

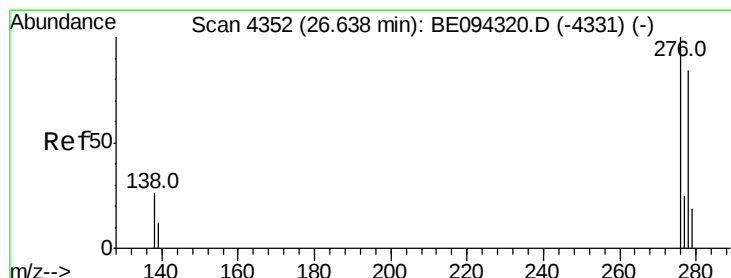
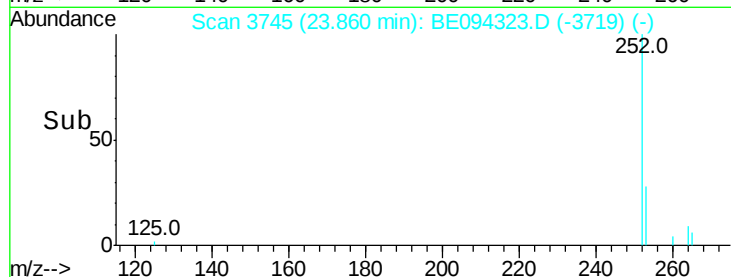
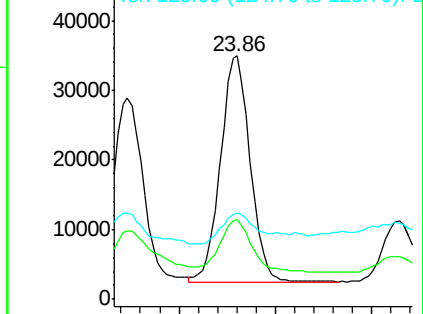
252 100

253 32.9 28.5 42.7

125 35.6 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: 1.725 ng/ul

RT: 26.67 min Scan# 4358

Delta R.T. 0.03 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

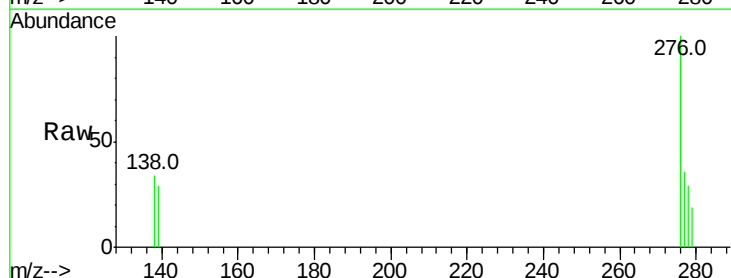
Tgt Ion:276 Resp: 49321

Ion Ratio Lower Upper

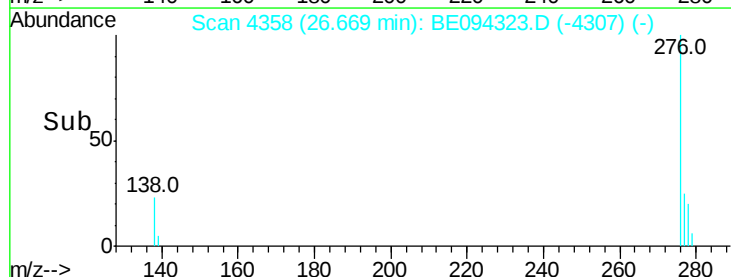
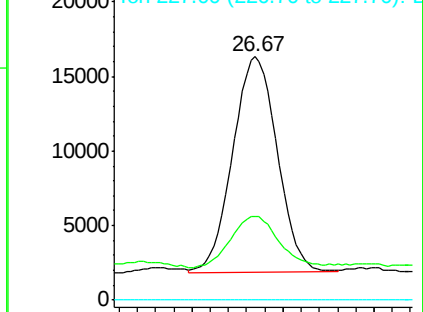
276 100

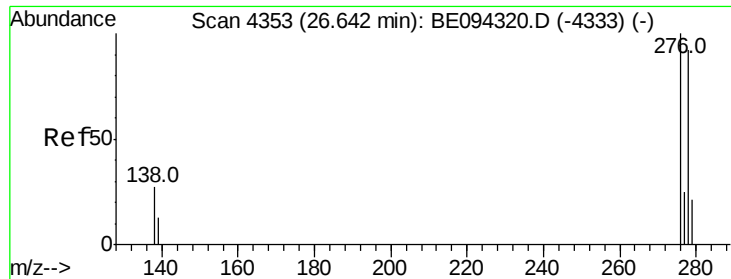
138 25.3 28.0 42.0#

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: 0.534 ng/u1

RT: 26.66 min Scan# 4357

Delta R.T. 0.02 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

Instrument :

BNA_E

ClientSampleId :

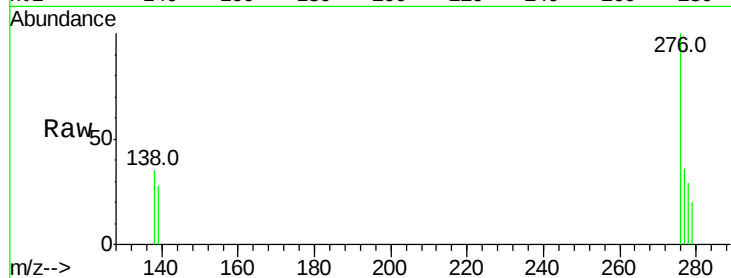
Tot Ion:278 Resp: 12814

Ion Ratio Lower Upper

278 100

139 95.6 17.4 26.0#

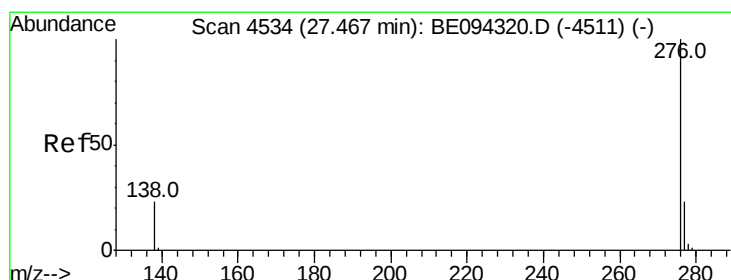
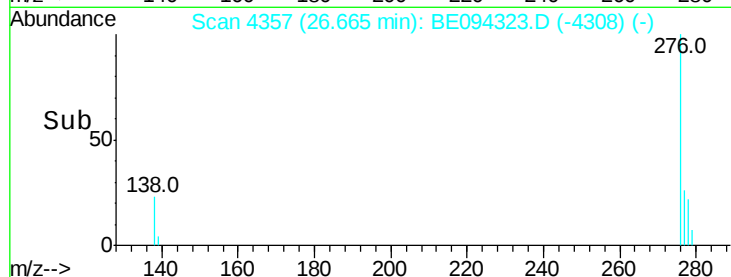
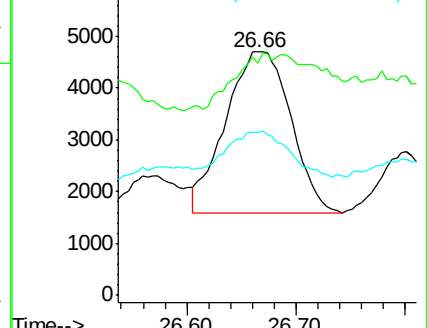
279 66.8 25.9 38.9#



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(g,h,i)perylene

Concen: 2.037 ng/u1

RT: 27.51 min Scan# 4543

Delta R.T. 0.05 min

Lab File: BE094323.D

Acq: 13 Oct 2017 13:56

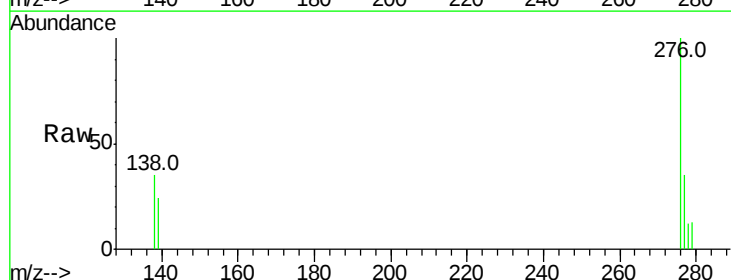
Tgt Ion:276 Resp: 50233

Ion Ratio Lower Upper

276 100

138 34.6 21.8 32.8#

277 35.4 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

