

Data Path : Z:\HPCHEM1\BNA_E\Data\BE040618\
 Data File : BE095955.D
 Acq On : 6 Apr 2018 14:15
 Operator : SJ/JU
 Sample : SSTD0.431
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.431

Quant Time: Apr 06 15:03:05 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 15:00:12 2018
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

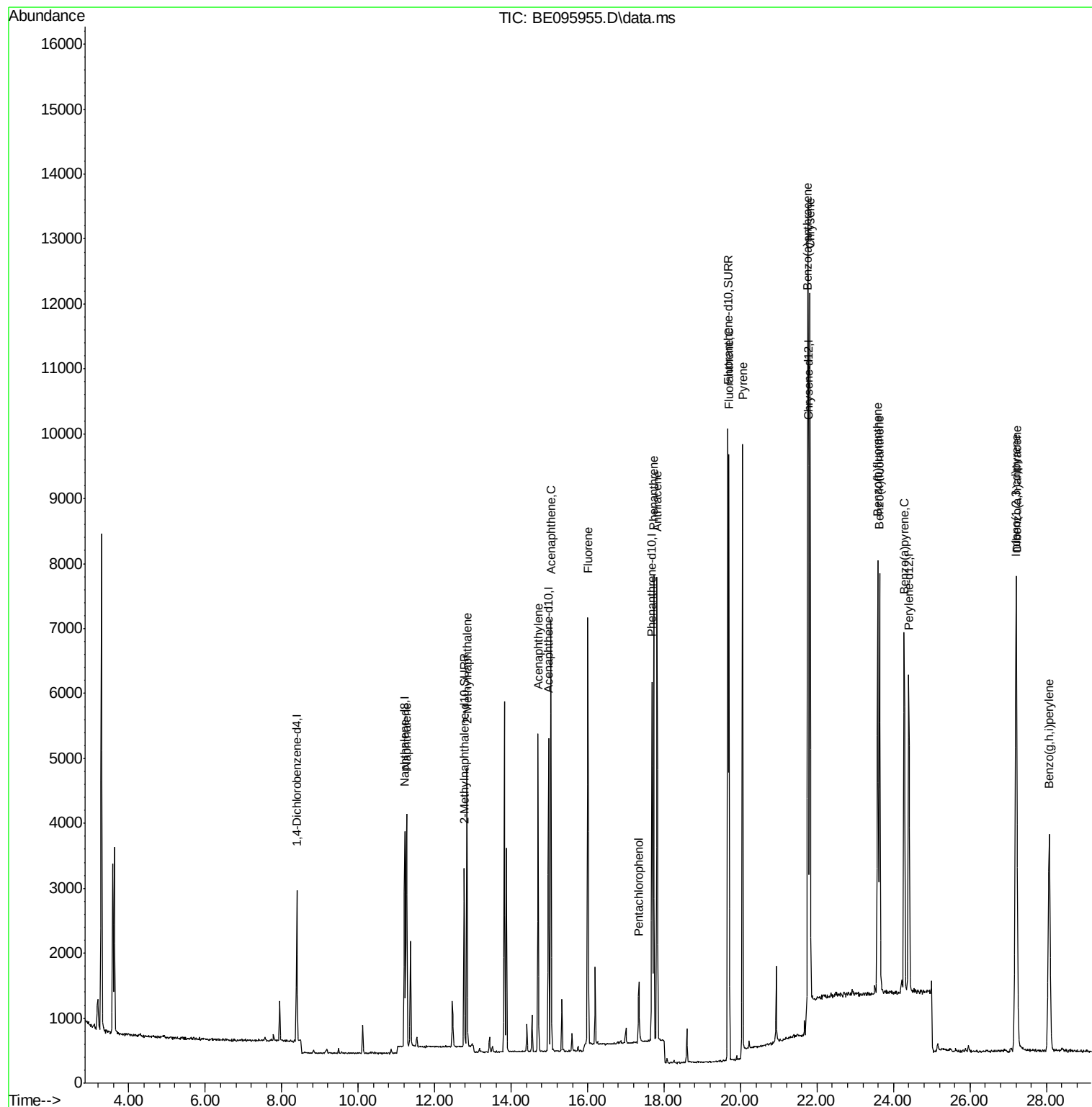
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.389	152	1780	0.40	ng/ul	0.00
2) Naphthalene-d8	11.215	136	4568	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.978	164	2567	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.683	188	6442	0.40	ng/ul	0.00
16) Chrysene-d12	21.779	240	9141	0.40	ng/ul	0.00
20) Perylene-d12	24.395	264	7488	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.770	152	3414	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.666	212	10537	0.51	ng/ul	0.00
Target Compounds						
						Qvalue
3) Naphthalene	11.260	128	5106	0.40	ng/ul#	90
5) 2-Methylnaphthalene	12.841	142	3447	0.39	ng/ul	100
7) Acenaphthylene	14.702	152	5349	0.41	ng/ul	98
8) Acenaphthene	15.037	153	3839	0.39	ng/ul	94
9) Fluorene	16.001	166	4362	0.41	ng/ul#	90
11) Pentachlorophenol	17.339	266	488	0.54	ng/ul	98
12) Phenanthrene	17.726	178	7470	0.39	ng/ul#	88
13) Anthracene	17.817	178	7526	0.42	ng/ul#	92
15) Fluoranthene	19.695	202	10266	0.44	ng/ul	85
17) Pyrene	20.050	202	11742	0.34	ng/ul#	78
18) Benzo(a)anthracene	21.758	228	13668	0.46	ng/ul#	85
19) Chrysene	21.814	228	9789	0.33	ng/ul	96
21) Benzo(b)fluoranthene	23.586	252	9930	0.38	ng/ul	87
22) Benzo(k)fluoranthene	23.636	252	9066	0.37	ng/ul#	89
23) Benzo(a)pyrene	24.283	252	9188	0.39	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.201	276	10281	0.39	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.215	278	8222	0.39	ng/ul	91
26) Benzo(g,h,i)perylene	28.075	276	8513	0.38	ng/ul	95

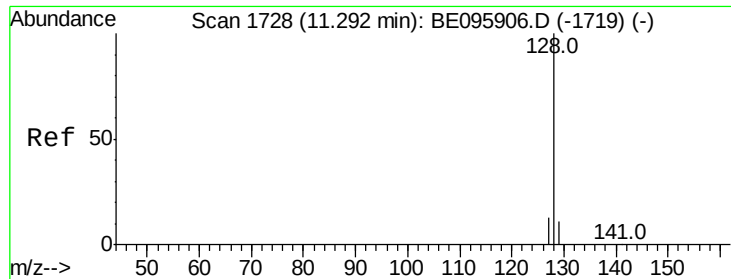
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 11.260 min Scan# 17

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.431

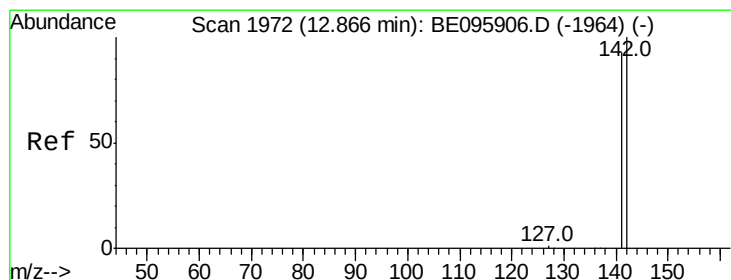
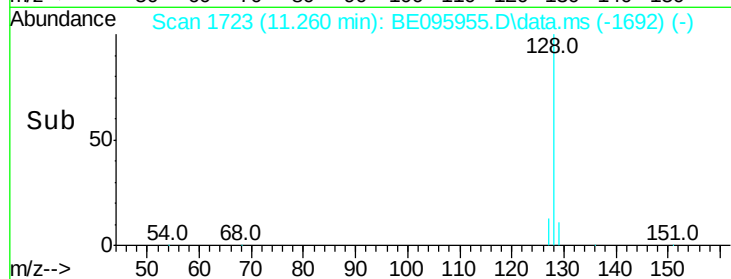
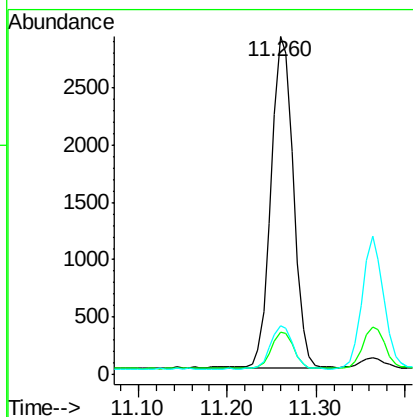
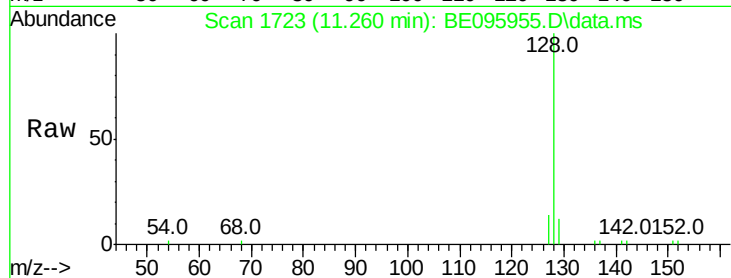
Tgt Ion:128 Resp: 5106

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

127 14.3 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 12.841 min Scan# 1968

Delta R.T. 0.000 min

Lab File: BE095955.D

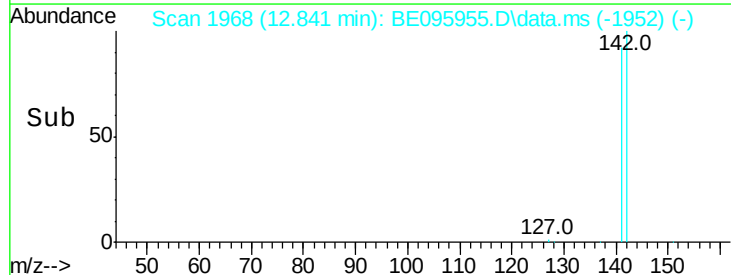
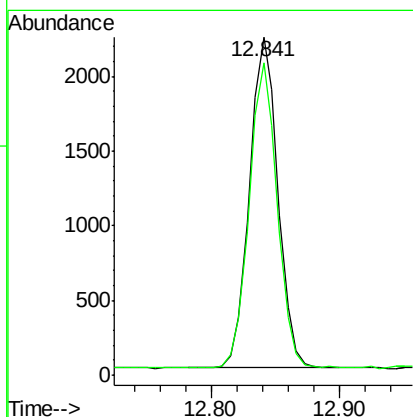
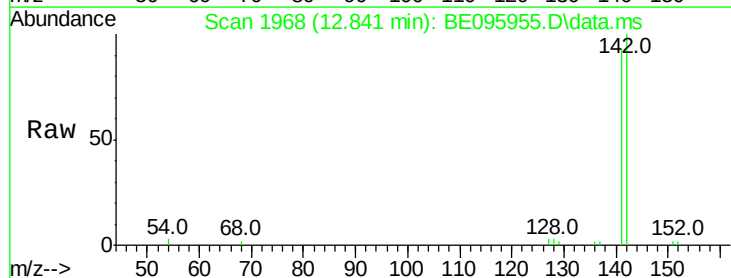
Acq: 6 Apr 2018 14:15

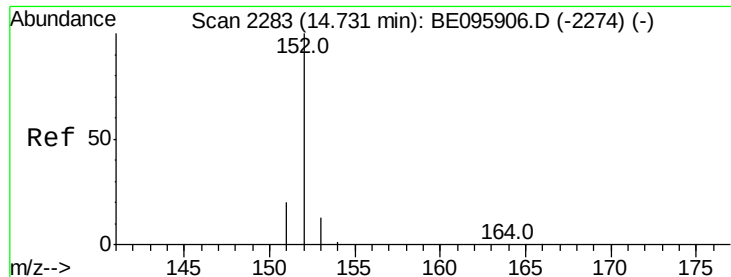
Tgt Ion:142 Resp: 3447

Ion Ratio Lower Upper

142 100

141 91.0 72.6 108.8





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.702 min Scan# 22

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.431

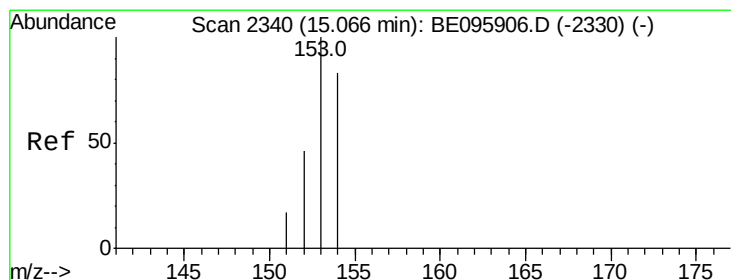
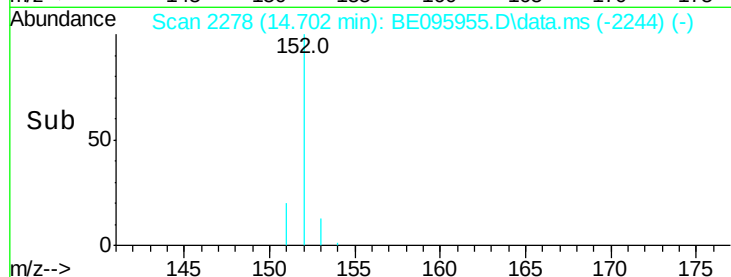
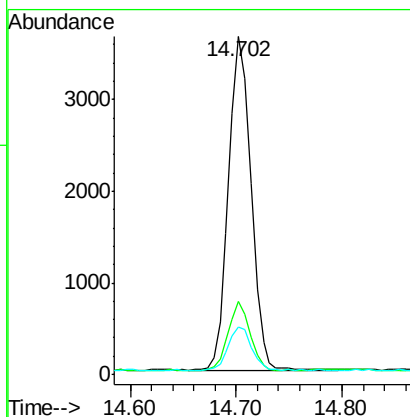
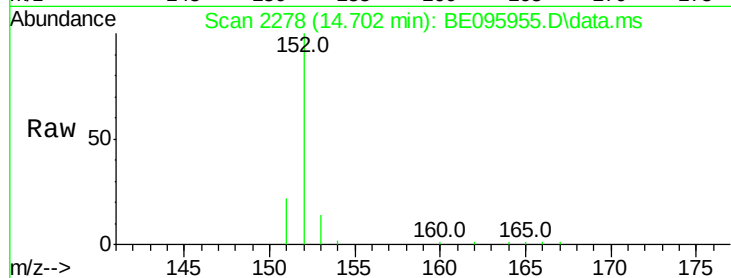
Tgt Ion:152 Resp: 5349

Ion Ratio Lower Upper

152 100

151 21.5 17.1 25.7

153 14.2 12.8 19.2



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 15.037 min Scan# 2335

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

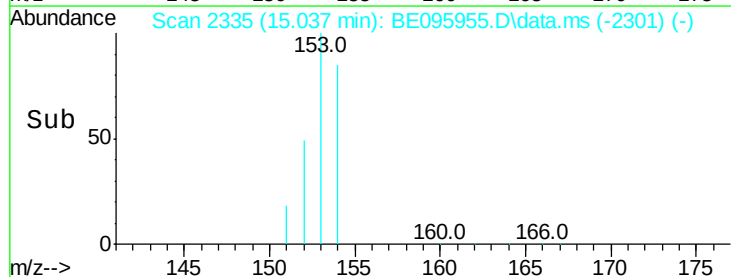
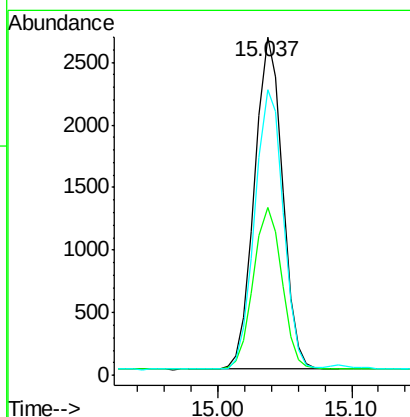
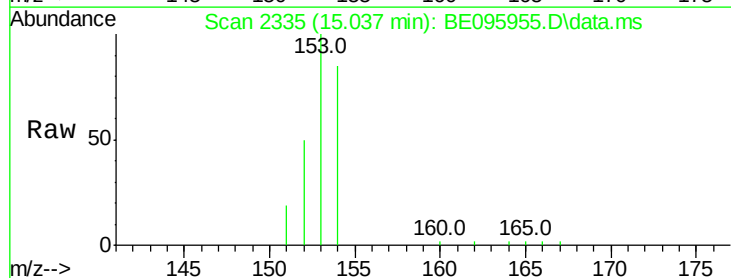
Tgt Ion:153 Resp: 3839

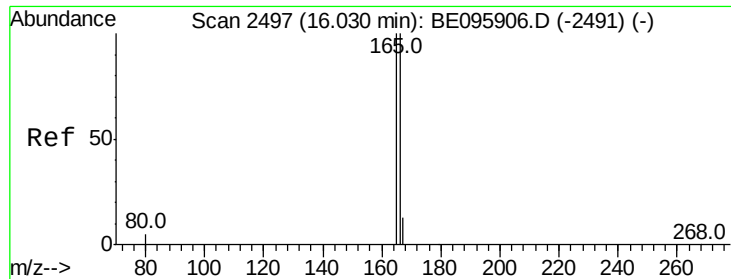
Ion Ratio Lower Upper

153 100

152 49.8 36.0 54.0

154 84.7 72.0 108.0





#9

Fluorene

Concen: 0.41 ng/ul

RT: 16.001 min Scan# 24

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.431

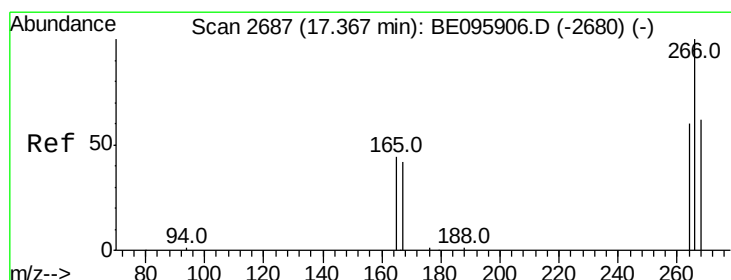
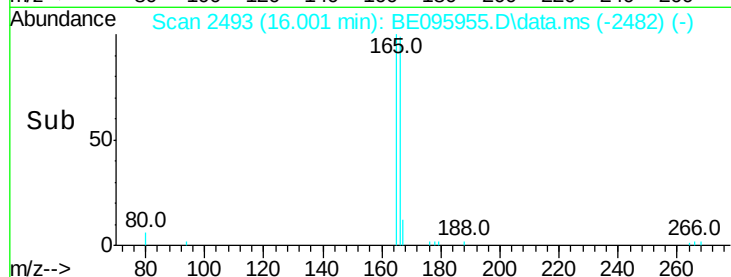
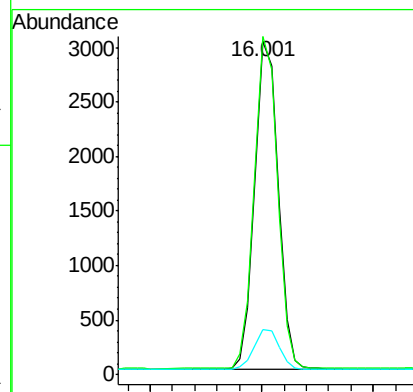
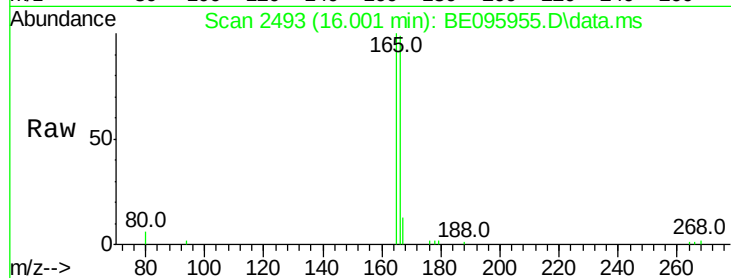
Tgt Ion:166 Resp: 4362

Ion Ratio Lower Upper

166 100

165 101.4 73.4 110.2

167 13.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.54 ng/ul

RT: 17.339 min Scan# 2683

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

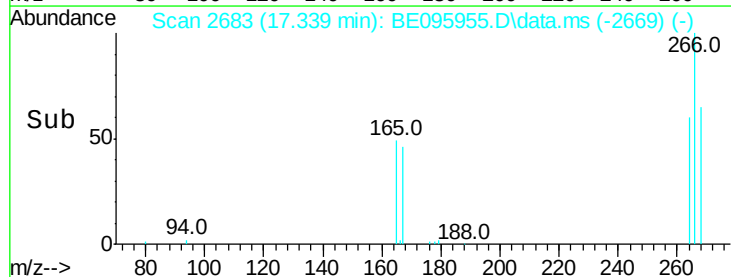
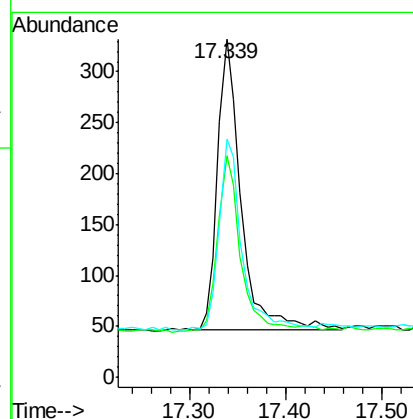
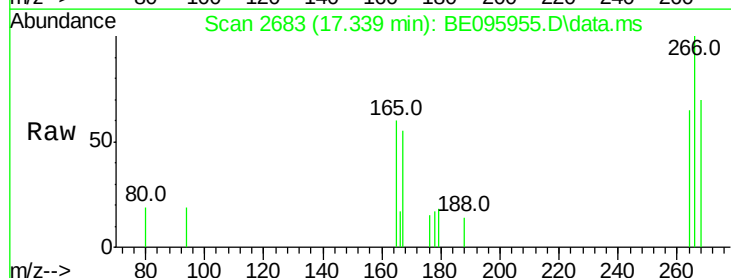
Tgt Ion:266 Resp: 488

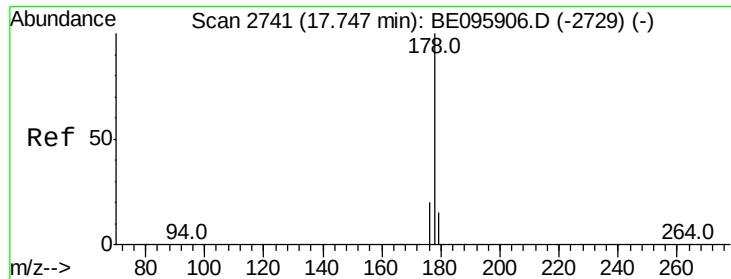
Ion Ratio Lower Upper

266 100

264 62.3 47.9 71.9

268 62.3 49.8 74.8





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.726 min Scan# 27

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.431

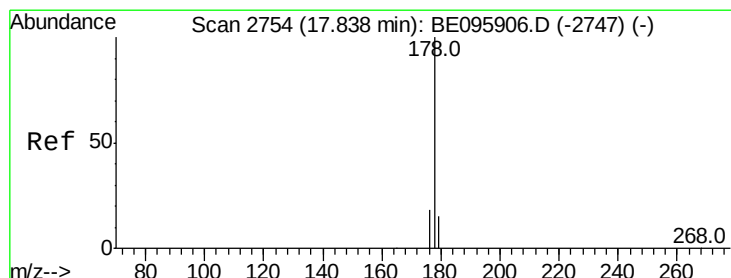
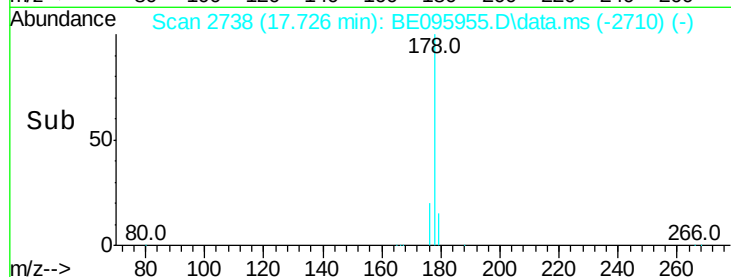
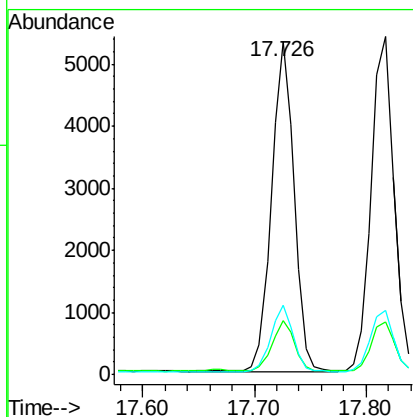
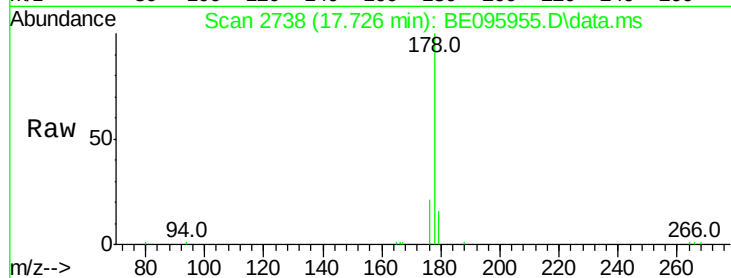
Tgt Ion:178 Resp: 7470

Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

176 20.6 13.6 20.4#



#13

Anthracene

Concen: 0.42 ng/ul

RT: 17.817 min Scan# 2751

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

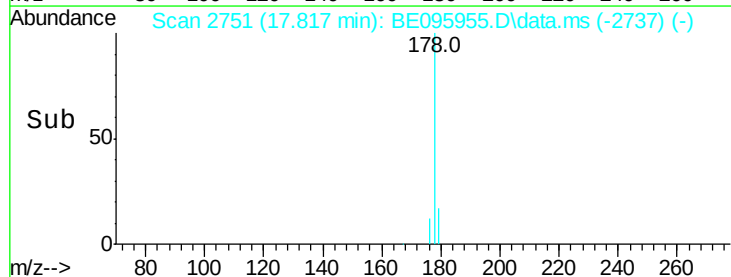
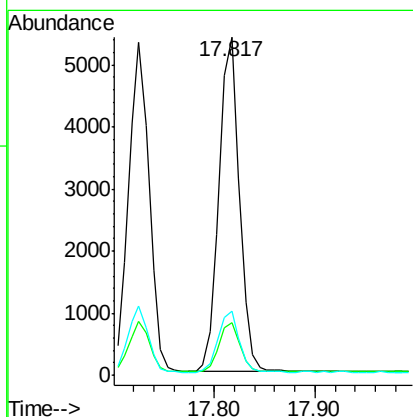
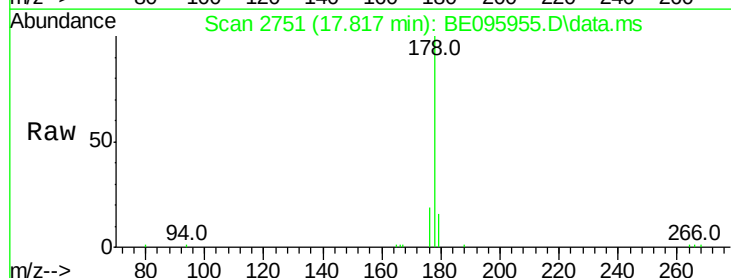
Tgt Ion:178 Resp: 7526

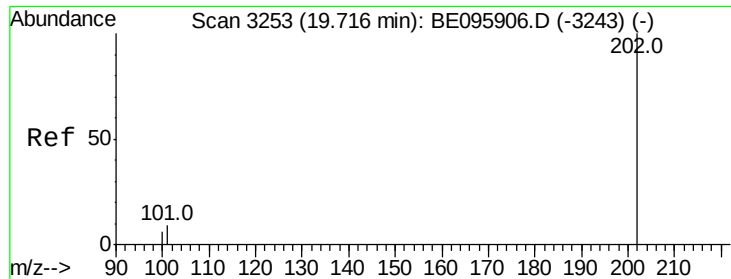
Ion Ratio Lower Upper

178 100

179 15.6 18.1 27.1#

176 18.8 14.7 22.1





#15

Fluoranthene

Concen: 0.44 ng/ul

RT: 19.695 min Scan# 32

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.431

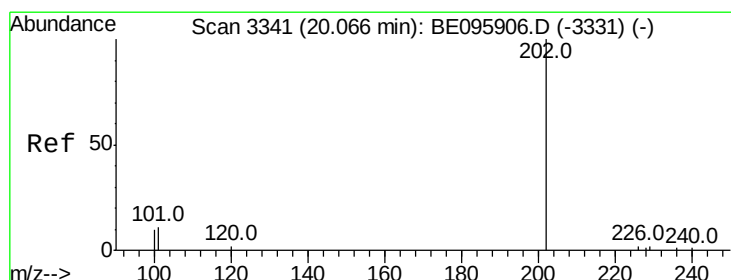
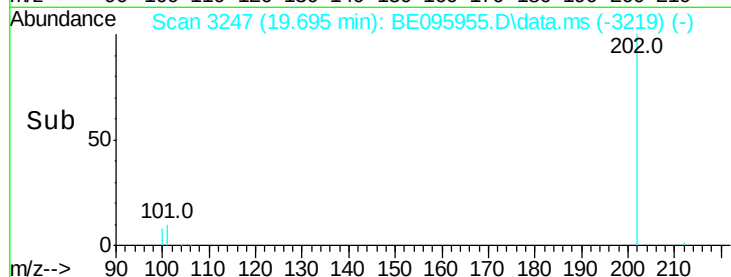
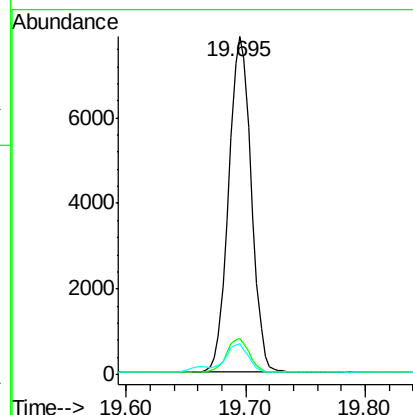
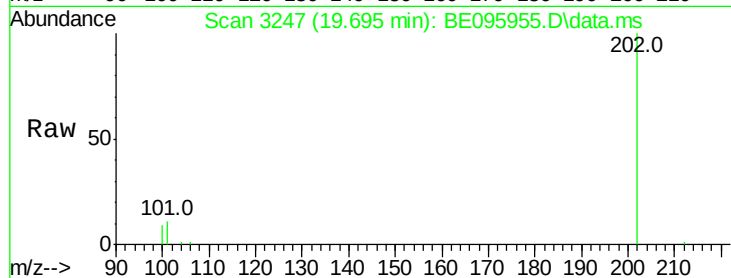
Tgt Ion:202 Resp: 10266

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

100 8.9 0.0 39.5



#17

Pyrene

Concen: 0.34 ng/ul

RT: 20.050 min Scan# 3338

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

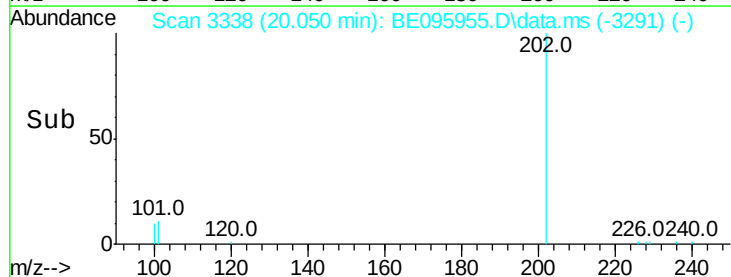
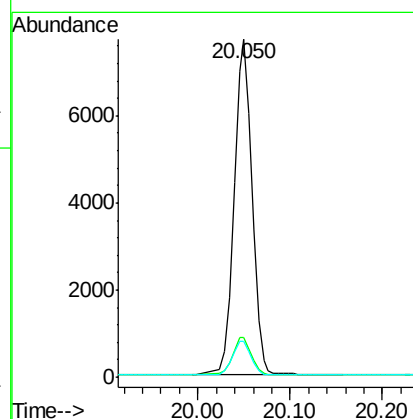
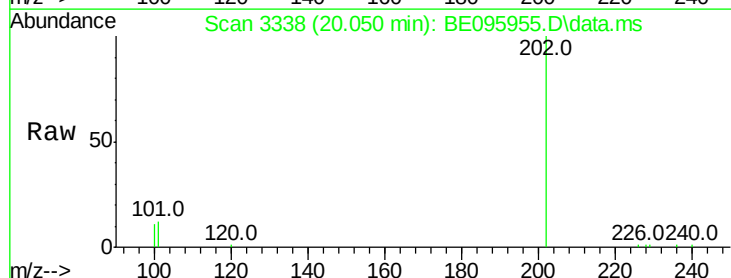
Tgt Ion:202 Resp: 11742

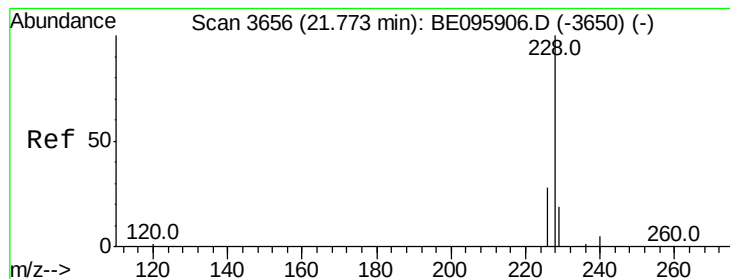
Ion Ratio Lower Upper

202 100

101 11.6 18.2 27.4#

100 10.6 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.758 min Scan# 3656

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.431

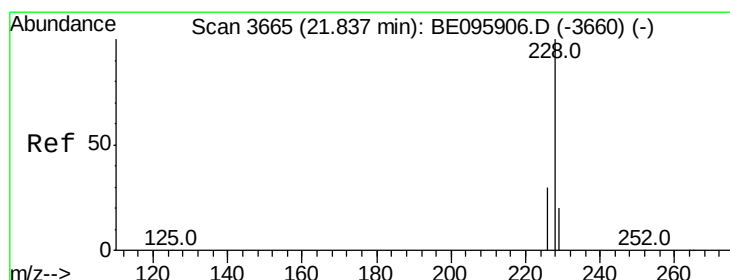
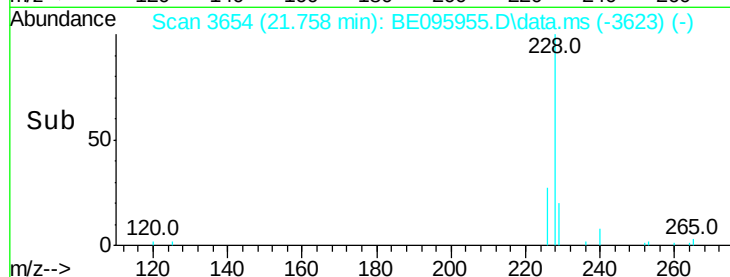
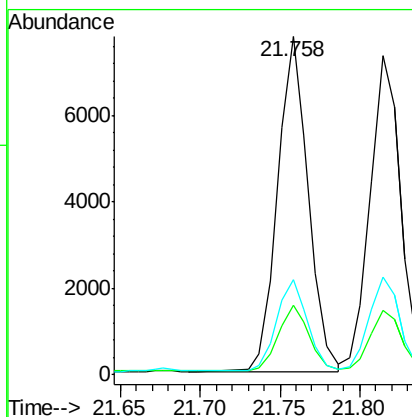
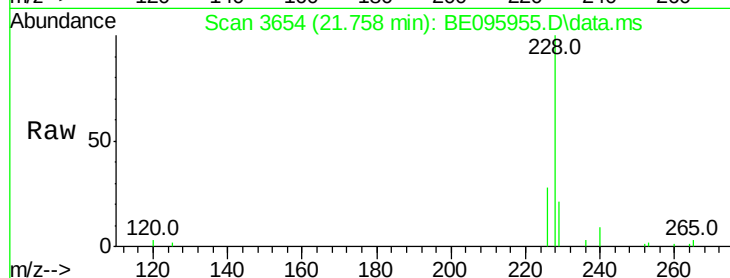
Tgt Ion:228 Resp: 13668

Ion Ratio Lower Upper

228 100

229 20.6 22.8 34.2#

226 28.1 17.0 25.6#



#19

Chrysene

Concen: 0.33 ng/ul

RT: 21.814 min Scan# 3662

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

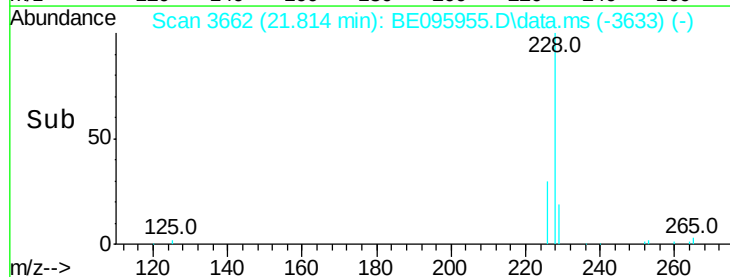
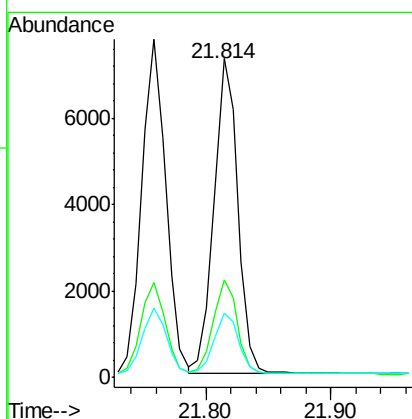
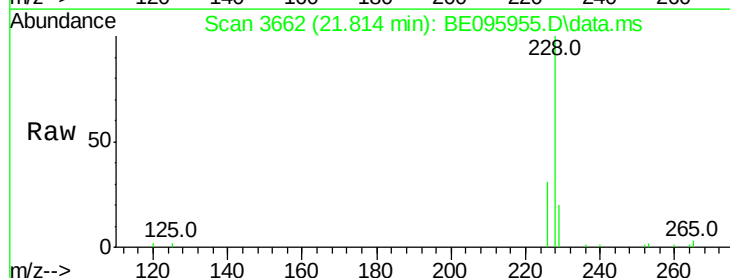
Tgt Ion:228 Resp: 9789

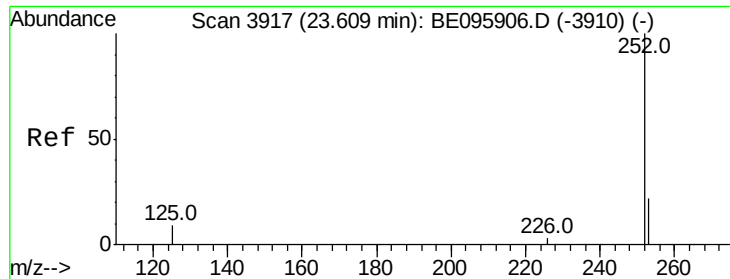
Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

229 20.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 23.586 min Scan# 3914

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.431

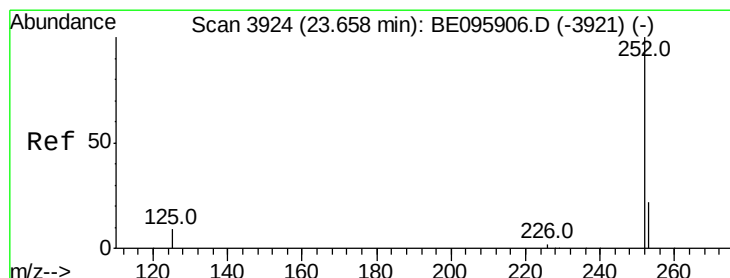
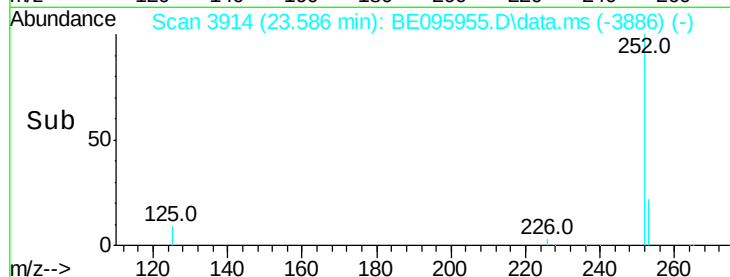
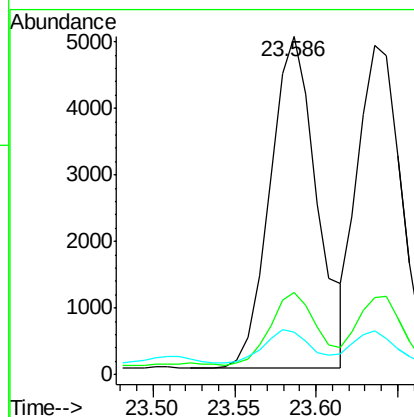
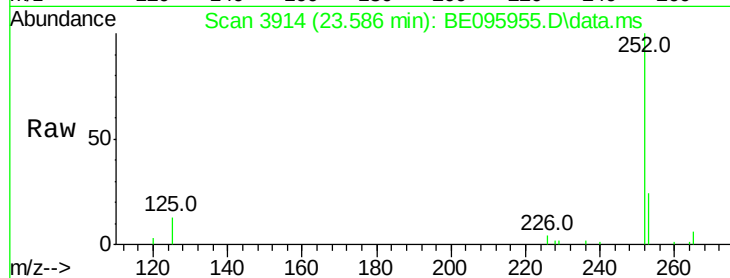
Tgt Ion:252 Resp: 9930

Ion Ratio Lower Upper

252 100

253 24.2 0.0 64.2

125 12.5 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 23.636 min Scan# 3921

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

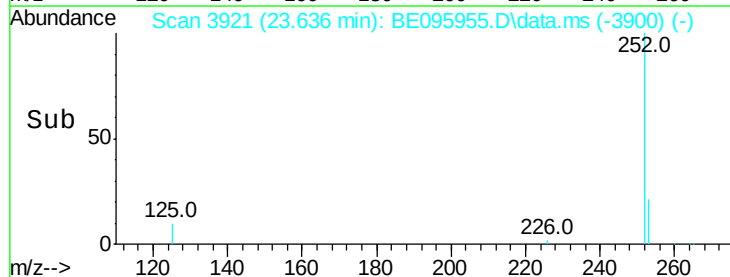
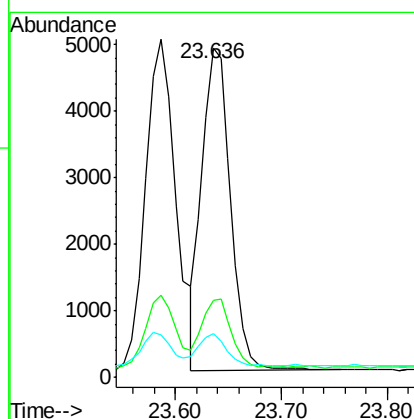
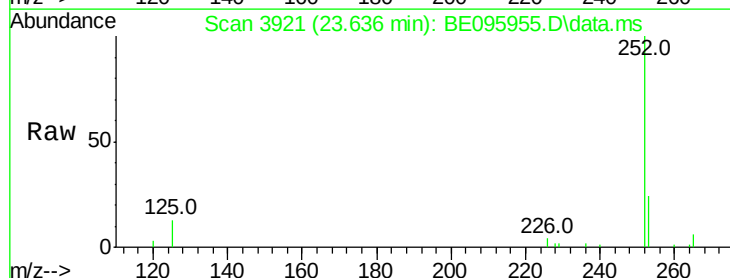
Tgt Ion:252 Resp: 9066

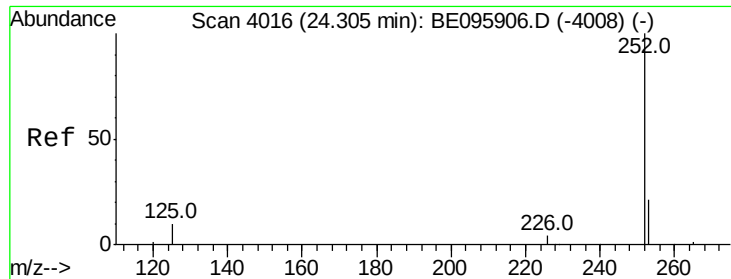
Ion Ratio Lower Upper

252 100

253 23.6 24.5 36.7#

125 13.3 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 24.283 min Scan# 4016

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.431

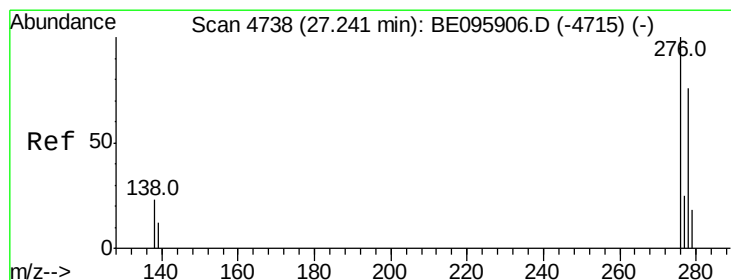
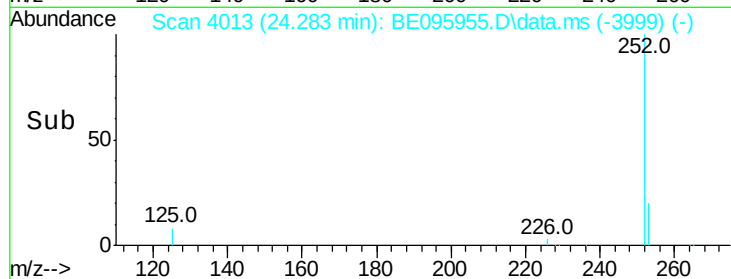
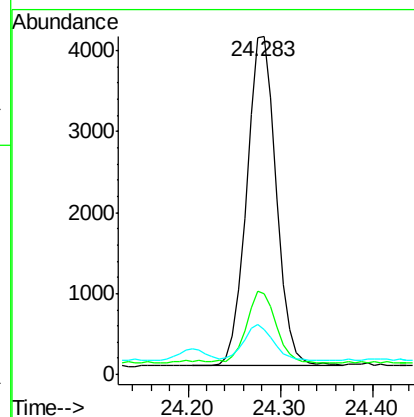
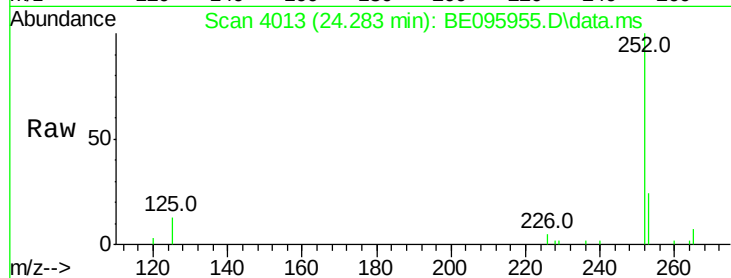
Tgt Ion:252 Resp: 9188

Ion Ratio Lower Upper

252 100

253 23.7 28.5 42.7#

125 13.4 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng/ul

RT: 27.201 min Scan# 4727

Delta R.T. 0.000 min

Lab File: BE095955.D

Acq: 6 Apr 2018 14:15

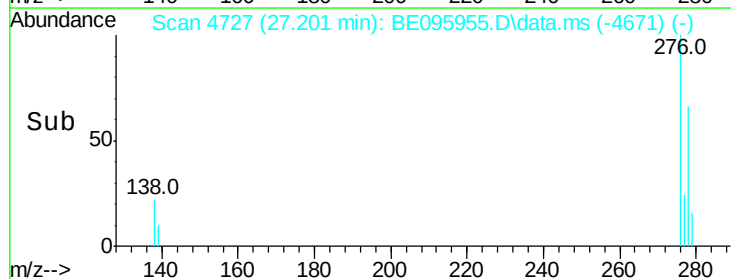
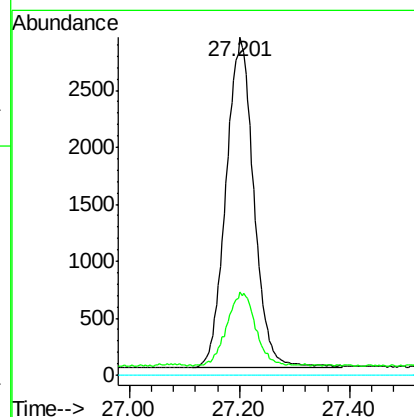
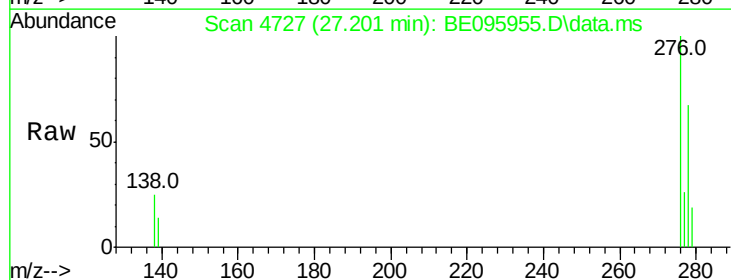
Tgt Ion:276 Resp: 10281

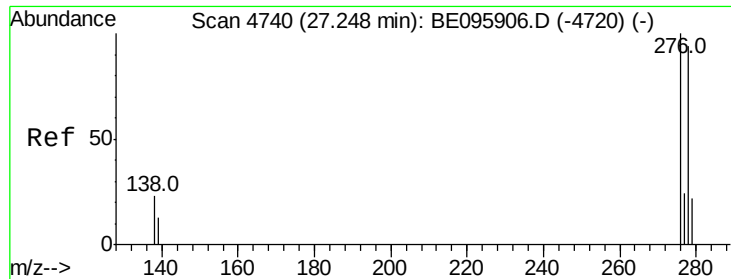
Ion Ratio Lower Upper

276 100

138 22.8 28.0 42.0#

227 0.0 8.0 12.0#

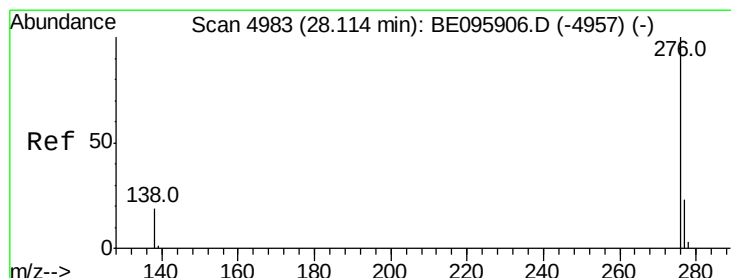
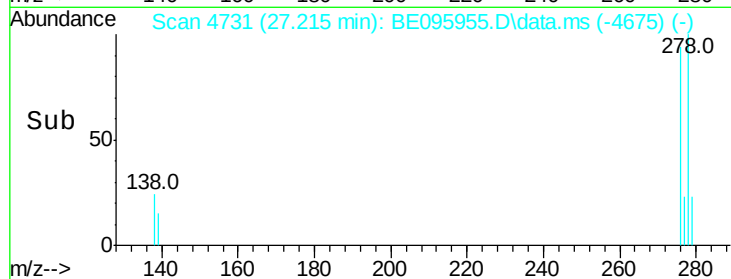
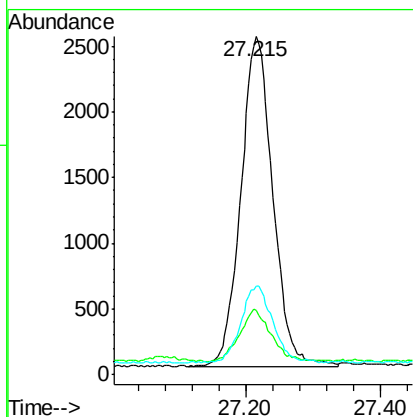
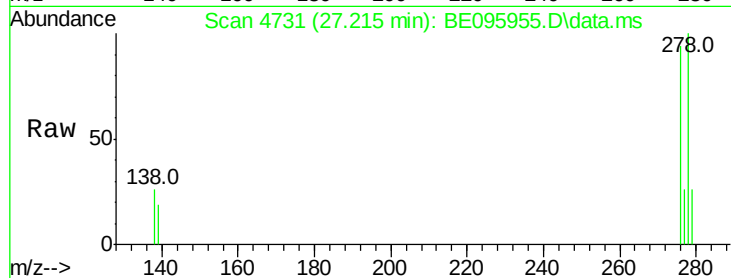




#25
 Dibenzo(a,h)anthracene
 Concen: 0.39 ng/ul
 RT: 27.215 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: BE095955.D
 Acq: 6 Apr 2018 14:15

Instrument :
 BNA_E
 ClientSampleId :
 SST0.431

Tgt Ion:278 Resp: 8222
 Ion Ratio Lower Upper
 278 100
 139 19.0 17.4 26.0
 279 26.2 25.9 38.9



#26
 Benzo(g,h,i)perylene
 Concen: 0.38 ng/ul
 RT: 28.075 min Scan# 4972
 Delta R.T. 0.000 min
 Lab File: BE095955.D
 Acq: 6 Apr 2018 14:15

Tgt Ion:276 Resp: 8513
 Ion Ratio Lower Upper
 276 100
 138 22.1 21.8 32.8
 277 25.5 20.5 30.7

