

Data Path : Z:\HPCHEM1\BNA_E\Data\BE040618\
 Data File : BE095954.D
 Acq On : 6 Apr 2018 13:39
 Operator : SJ/JU
 Sample : SSTD0.230
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.230

Quant Time: Apr 06 15:02:50 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)

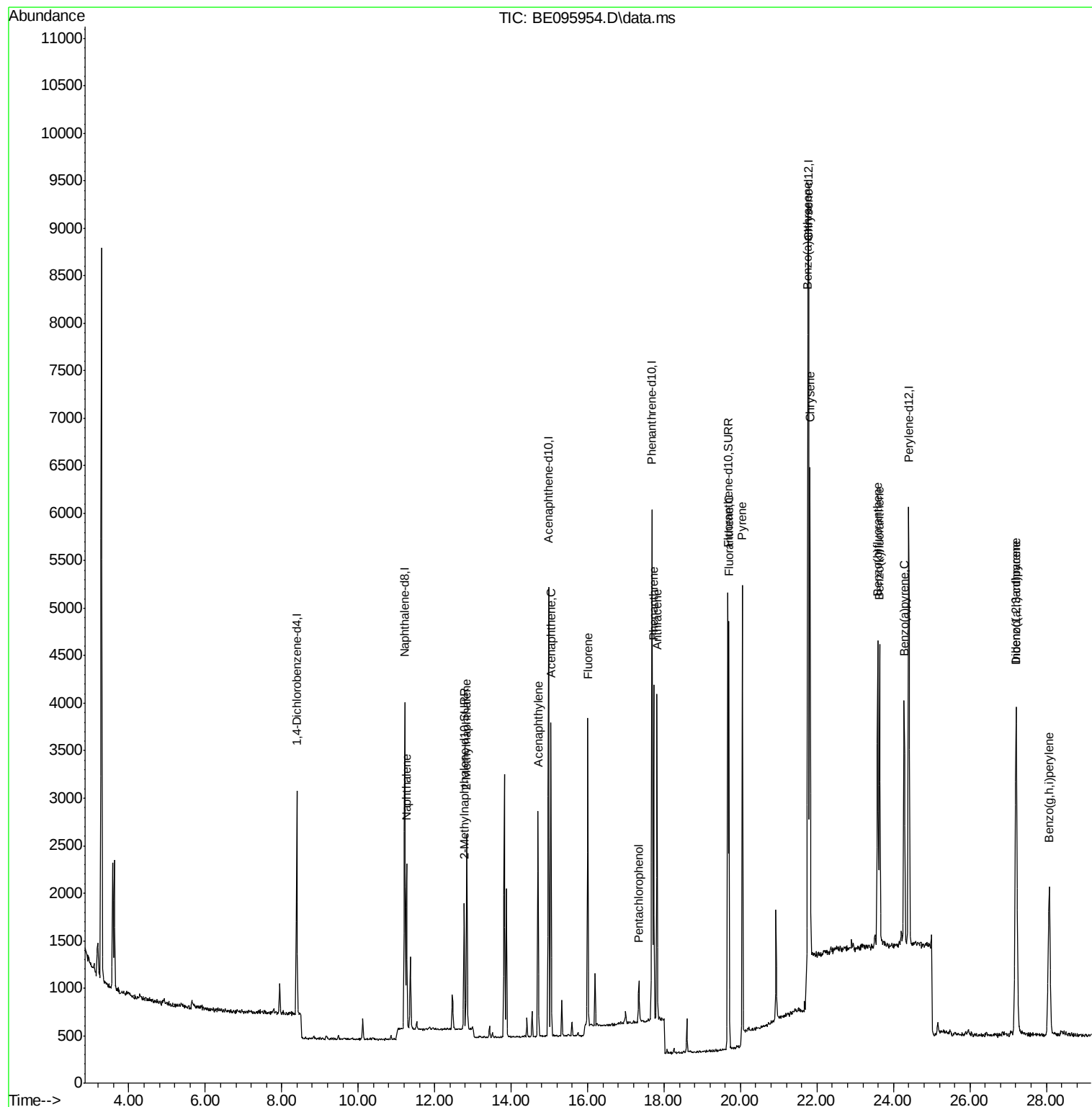
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.391	152	1805	0.40	ng/ul	0.00
2) Naphthalene-d8	11.214	136	4554	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.978	164	2586	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.684	188	6247	0.40	ng/ul	0.00
16) Chrysene-d12	21.781	240	8700	0.40	ng/ul	0.00
20) Perylene-d12	24.397	264	6956	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.769	152	1703	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.666	212	5134	0.26	ng/ul	0.00
Target Compounds						
						Qvalue
3) Naphthalene	11.259	128	2547	0.20	ng/ul#	91
5) 2-Methylnaphthalene	12.840	142	1725	0.20	ng/ul	100
7) Acenaphthylene	14.702	152	2663	0.20	ng/ul	99
8) Acenaphthene	15.037	153	1915	0.19	ng/ul	92
9) Fluorene	16.009	166	2166	0.20	ng/ul	97
11) Pentachlorophenol	17.346	266	246	0.28	ng/ul	98
12) Phenanthrene	17.726	178	3709	0.20	ng/ul#	89
13) Anthracene	17.818	178	3633	0.21	ng/ul#	92
15) Fluoranthene	19.695	202	5023	0.22	ng/ul	85
17) Pyrene	20.050	202	5541	0.17	ng/ul#	80
18) Benzo(a)anthracene	21.760	228	6685	0.24	ng/ul#	87
19) Chrysene	21.816	228	4775	0.17	ng/ul	98
21) Benzo(b)fluoranthene	23.588	252	4567	0.19	ng/ul	93
22) Benzo(k)fluoranthene	23.637	252	4553	0.20	ng/ul	96
23) Benzo(a)pyrene	24.277	252	4363	0.20	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	27.205	276	4920	0.20	ng/ul#	76
25) Dibenzo(a,h)anthracene	27.213	278	3907	0.20	ng/ul	96
26) Benzo(g,h,i)perylene	28.076	276	4148	0.20	ng/ul	95

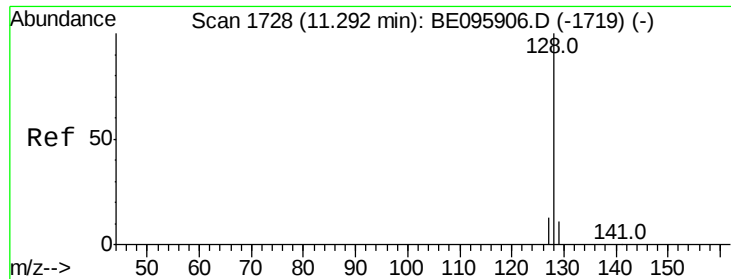
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.20 ng/ul

RT: 11.259 min Scan# 17

Delta R.T. -0.001 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.230

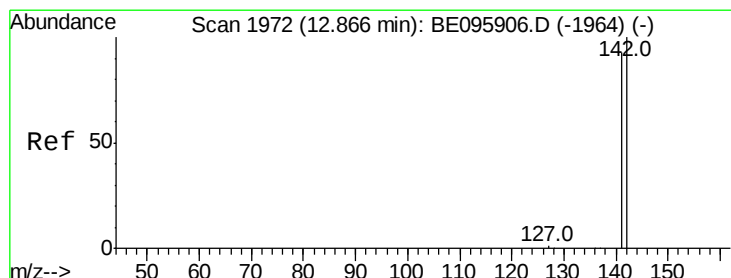
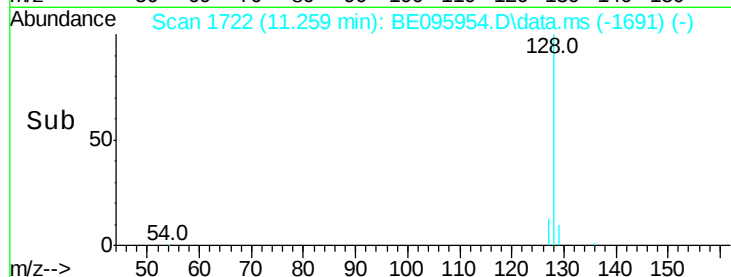
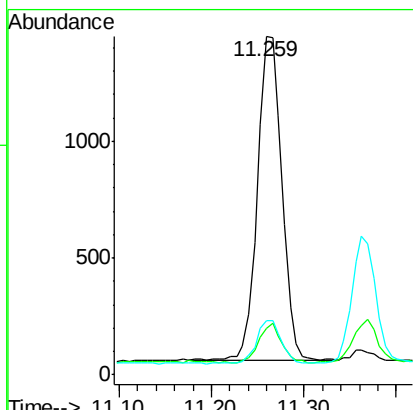
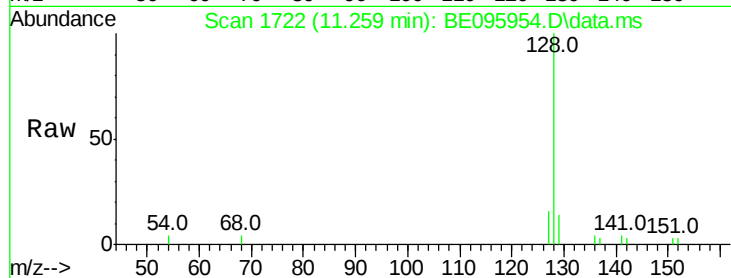
Tgt Ion:128 Resp: 2547

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

127 16.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.20 ng/ul

RT: 12.840 min Scan# 1967

Delta R.T. -0.001 min

Lab File: BE095954.D

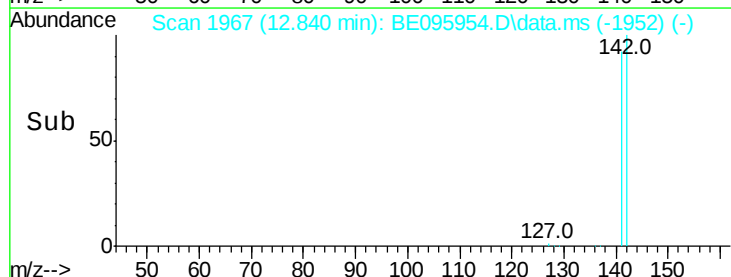
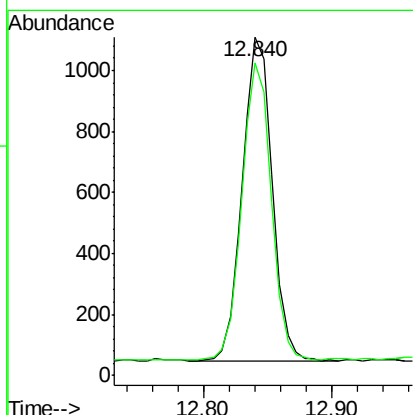
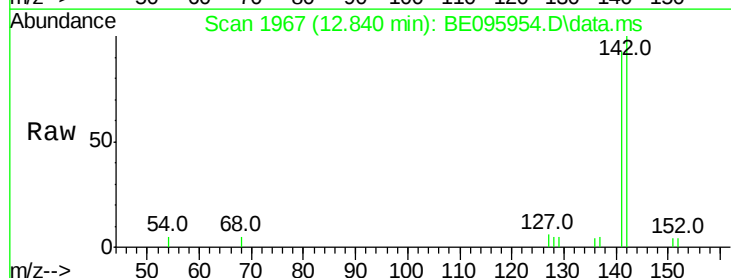
Acq: 6 Apr 2018 13:39

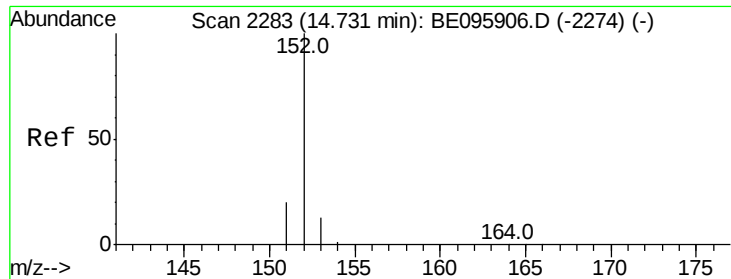
Tgt Ion:142 Resp: 1725

Ion Ratio Lower Upper

142 100

141 90.3 72.6 108.8





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.702 min Scan# 22

Delta R.T. -0.000 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.230

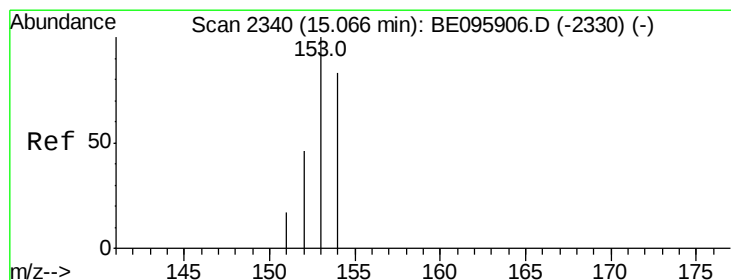
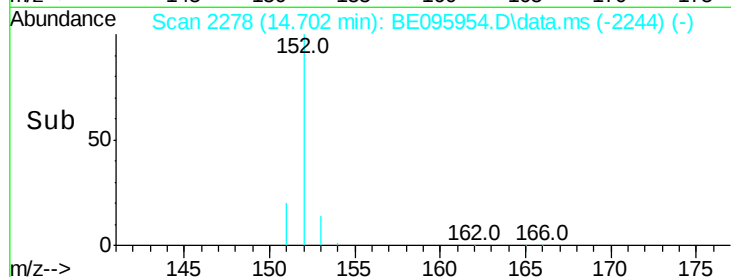
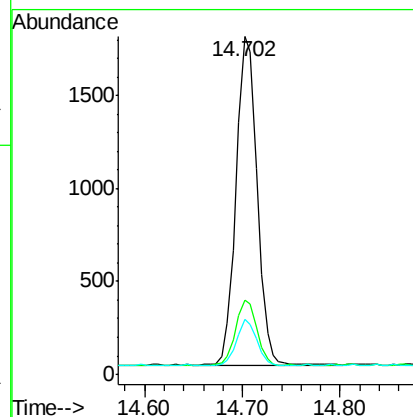
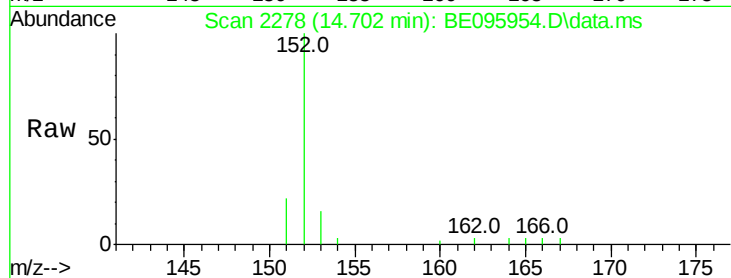
Tgt Ion:152 Resp: 2663

Ion Ratio Lower Upper

152 100

151 22.1 17.1 25.7

153 16.1 12.8 19.2



#8

Acenaphthene

Concen: 0.19 ng/ul

RT: 15.037 min Scan# 2335

Delta R.T. -0.000 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

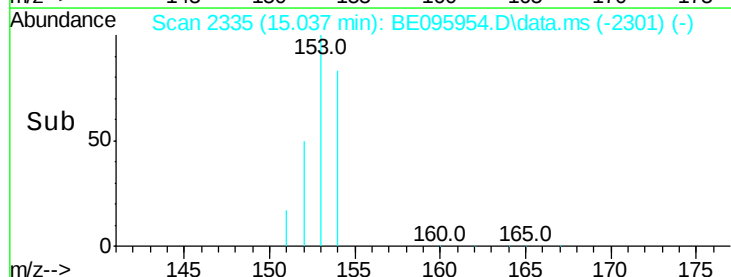
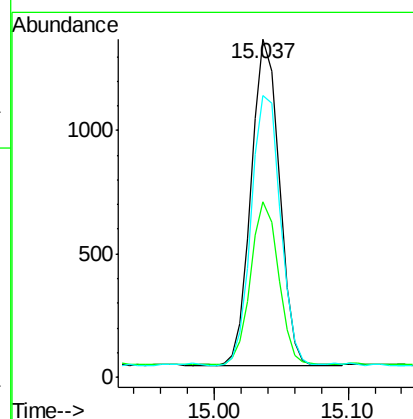
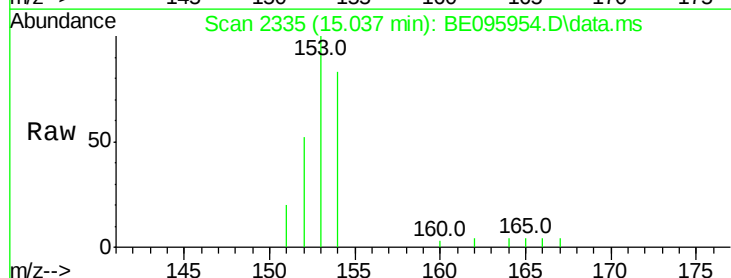
Tgt Ion:153 Resp: 1915

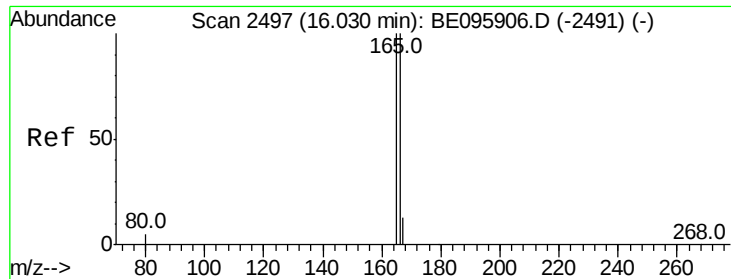
Ion Ratio Lower Upper

153 100

152 51.8 36.0 54.0

154 83.4 72.0 108.0





#9

Fluorene

Concen: 0.20 ng/ul

RT: 16.009 min Scan# 24

Delta R.T. 0.008 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.230

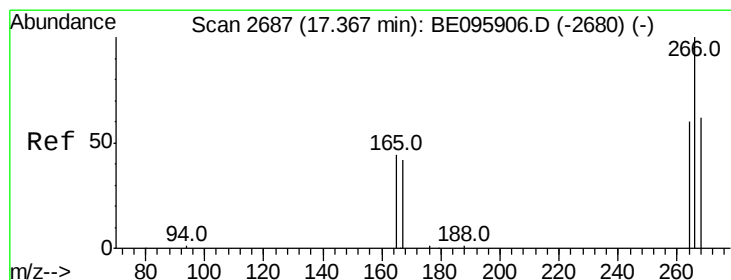
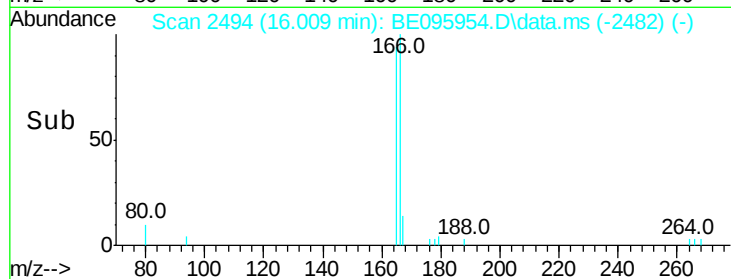
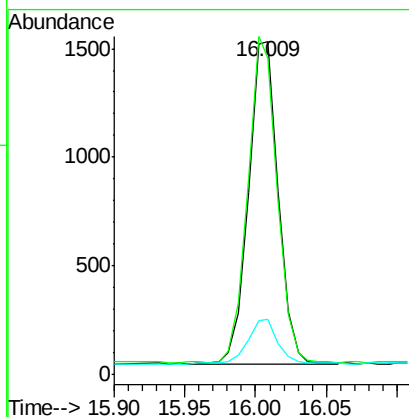
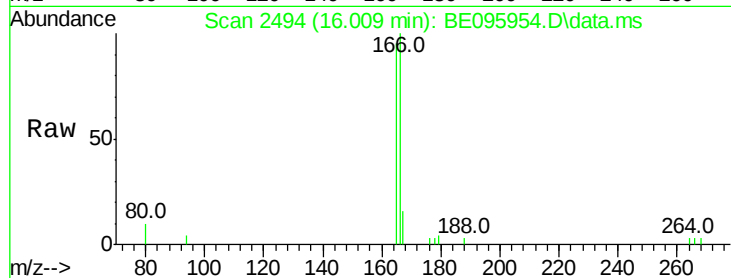
Tgt Ion:166 Resp: 2166

Ion Ratio Lower Upper

166 100

165 95.0 73.4 110.2

167 16.4 14.6 22.0



#11

Pentachlorophenol

Concen: 0.28 ng/ul

RT: 17.346 min Scan# 2684

Delta R.T. 0.008 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

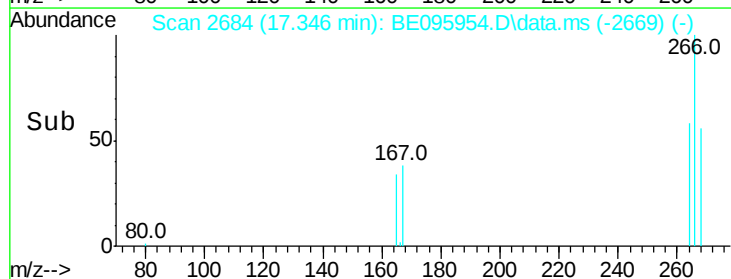
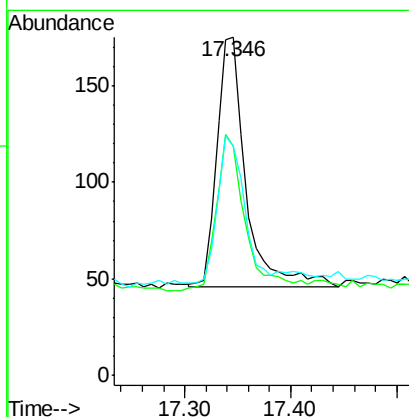
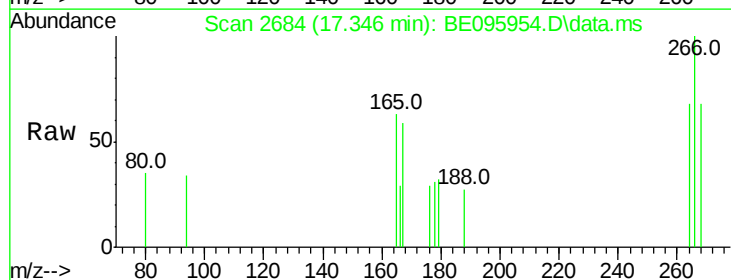
Tgt Ion:266 Resp: 246

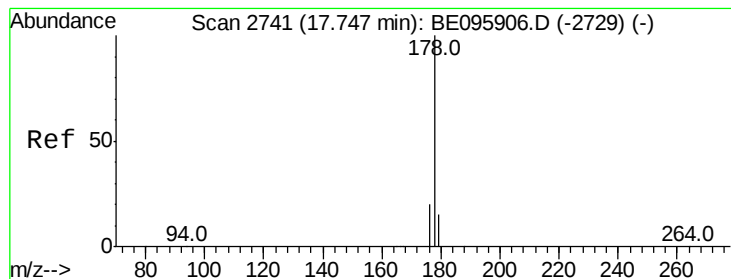
Ion Ratio Lower Upper

266 100

264 62.6 47.9 71.9

268 61.8 49.8 74.8





#12

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.726 min Scan# 27

Delta R.T. 0.000 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.230

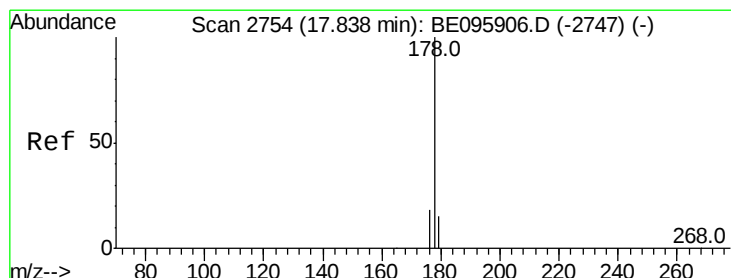
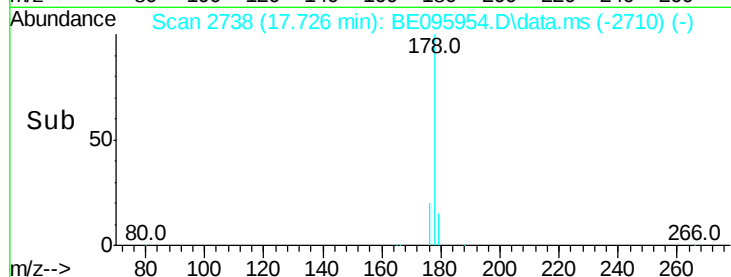
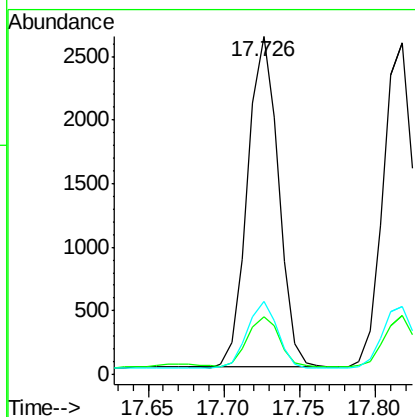
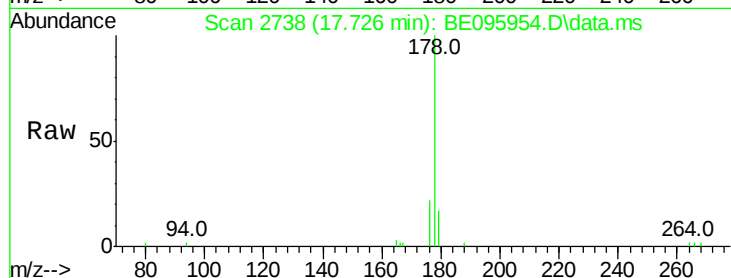
Tgt Ion:178 Resp: 3709

Ion Ratio Lower Upper

178 100

179 17.2 18.4 27.6#

176 21.6 13.6 20.4#



#13

Anthracene

Concen: 0.21 ng/ul

RT: 17.818 min Scan# 2751

Delta R.T. 0.000 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

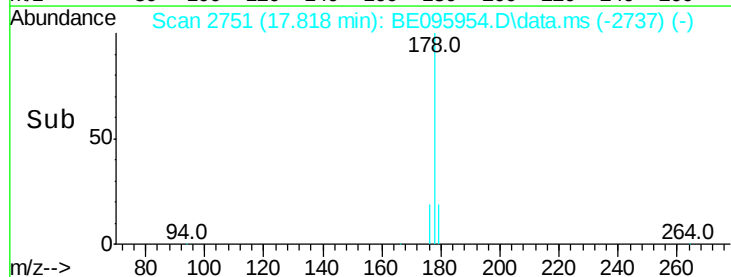
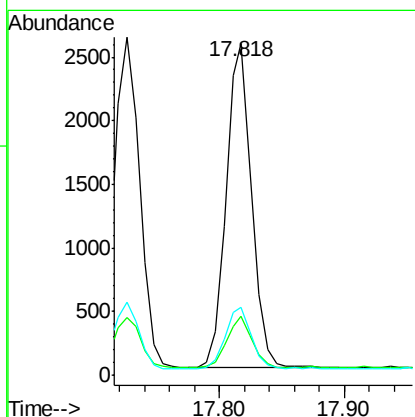
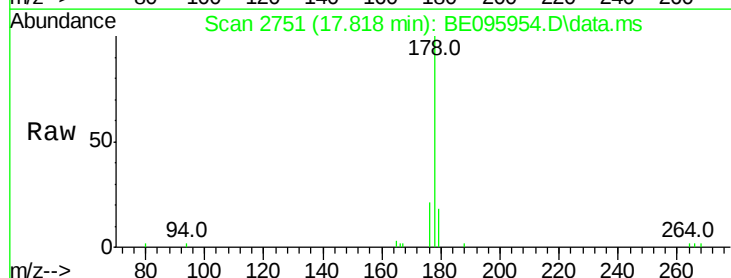
Tgt Ion:178 Resp: 3633

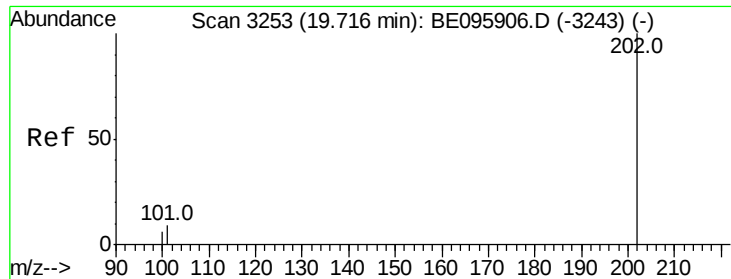
Ion Ratio Lower Upper

178 100

179 17.7 18.1 27.1#

176 20.6 14.7 22.1





#15

Fluoranthene

Concen: 0.22 ng/ul

RT: 19.695 min Scan# 32

Delta R.T. -0.000 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.230

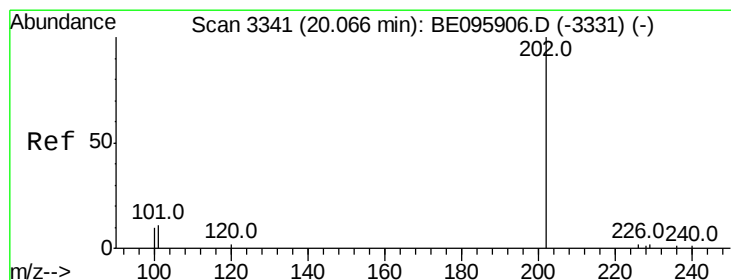
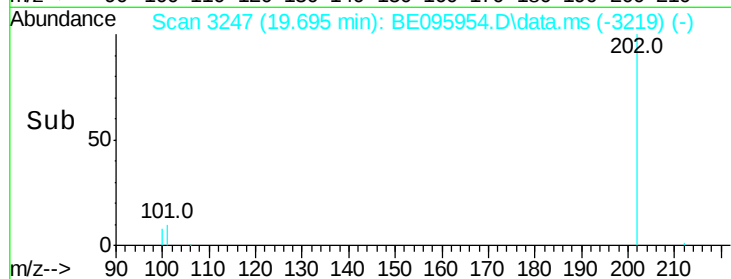
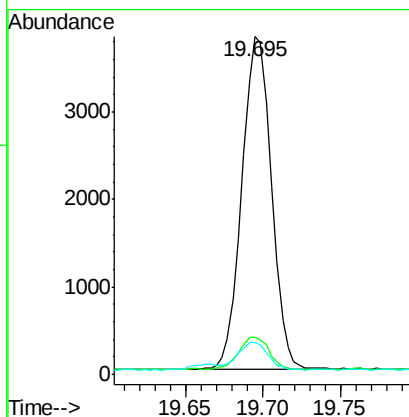
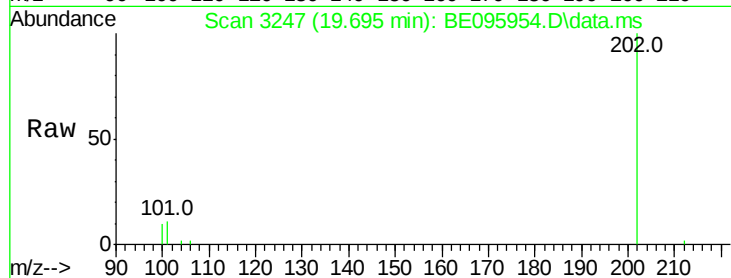
Tgt Ion:202 Resp: 5023

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

100 9.6 0.0 39.5



#17

Pyrene

Concen: 0.17 ng/ul

RT: 20.050 min Scan# 3338

Delta R.T. -0.000 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

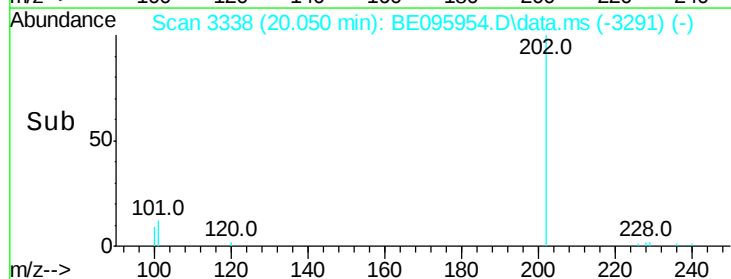
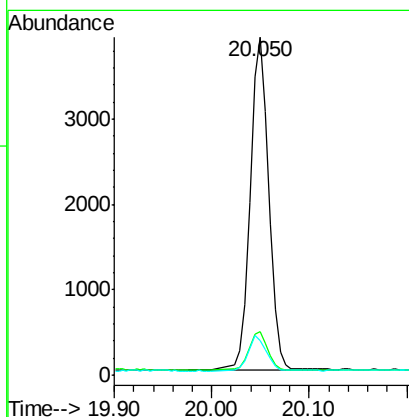
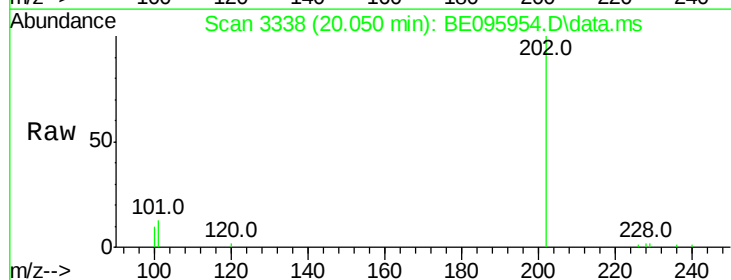
Tgt Ion:202 Resp: 5541

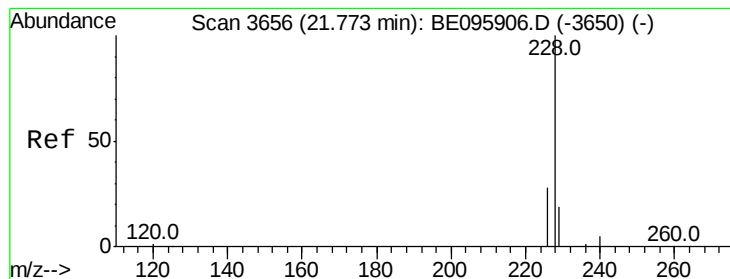
Ion Ratio Lower Upper

202 100

101 12.9 18.2 27.4#

100 10.4 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.24 ng/ul

RT: 21.760 min Scan# 36

Delta R.T. 0.001 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.230

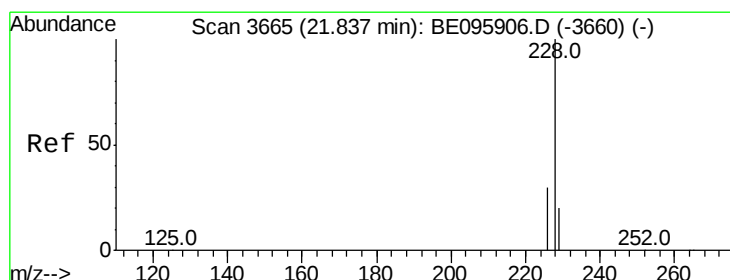
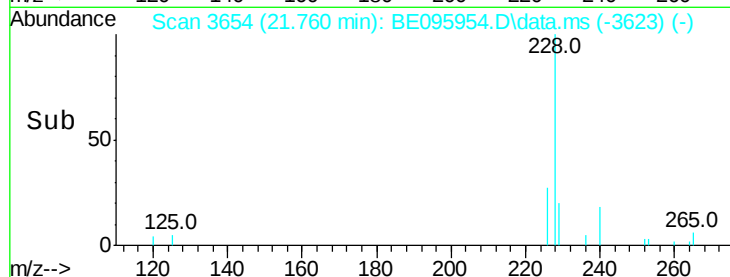
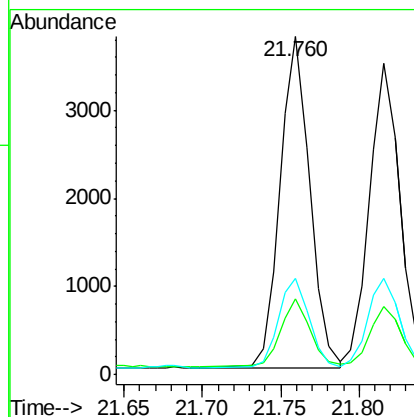
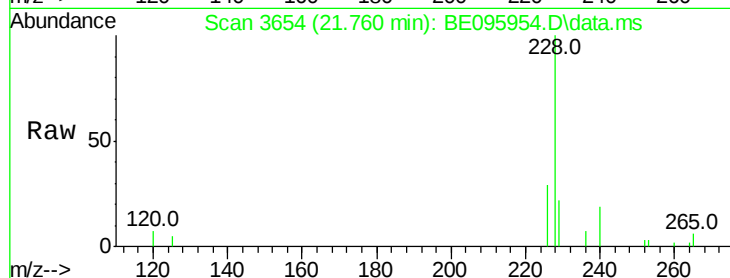
Tgt Ion:228 Resp: 6685

Ion Ratio Lower Upper

228 100

229 22.3 22.8 34.2#

226 28.6 17.0 25.6#



#19

Chrysene

Concen: 0.17 ng/ul

RT: 21.816 min Scan# 3662

Delta R.T. 0.001 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

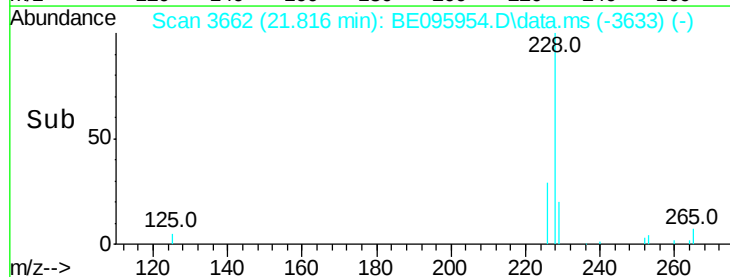
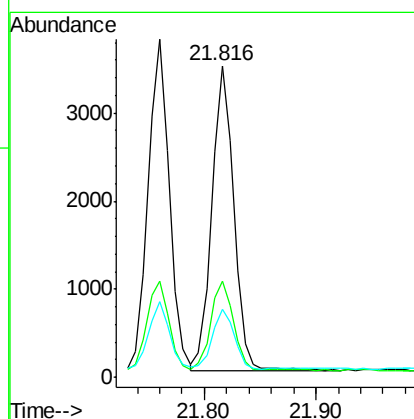
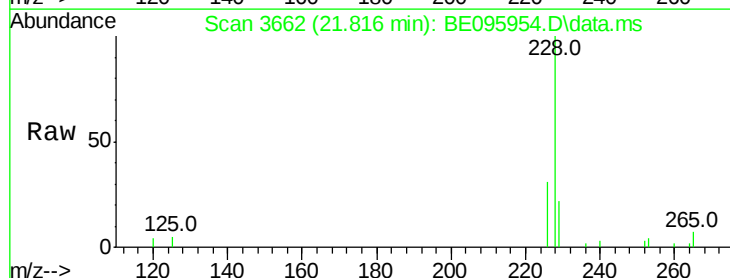
Tgt Ion:228 Resp: 4775

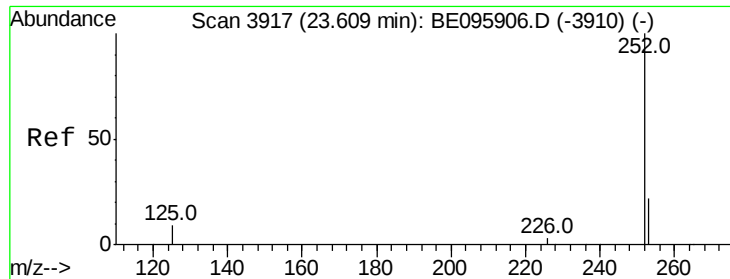
Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

229 22.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.19 ng/ul

RT: 23.588 min Scan# 3914

Delta R.T. 0.001 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.230

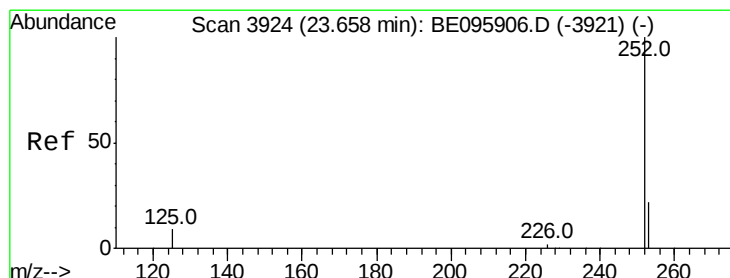
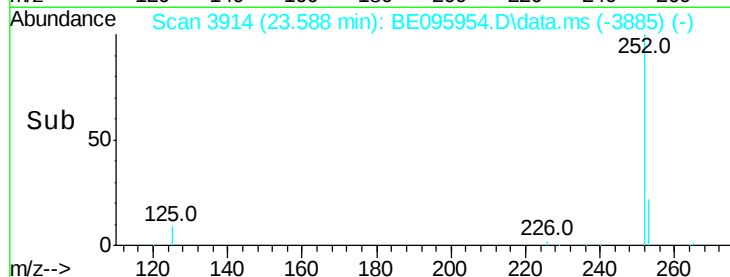
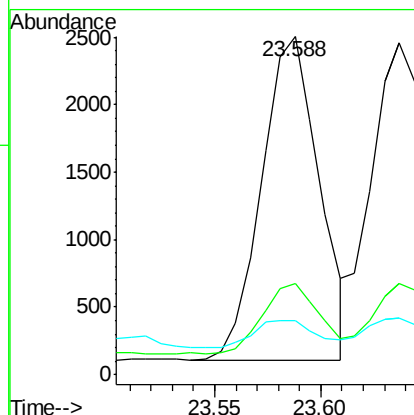
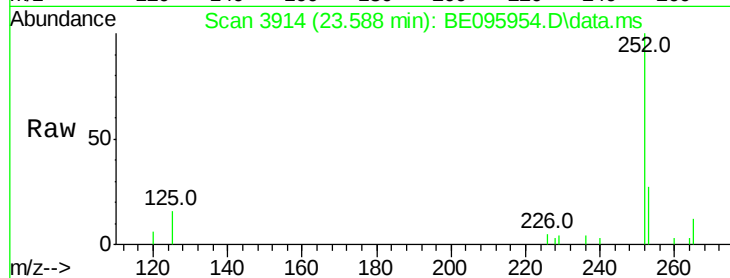
Tgt Ion:252 Resp: 4567

Ion Ratio Lower Upper

252 100

253 26.8 0.0 64.2

125 16.1 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.20 ng/ul

RT: 23.637 min Scan# 3921

Delta R.T. 0.001 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

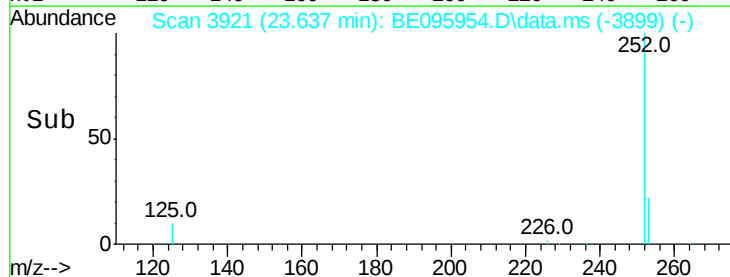
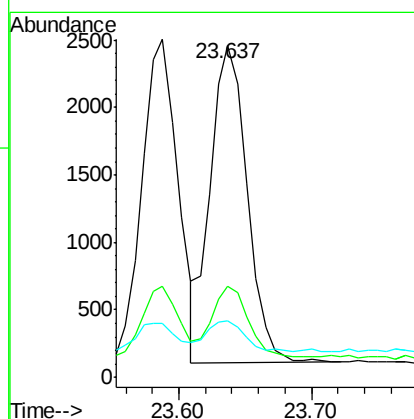
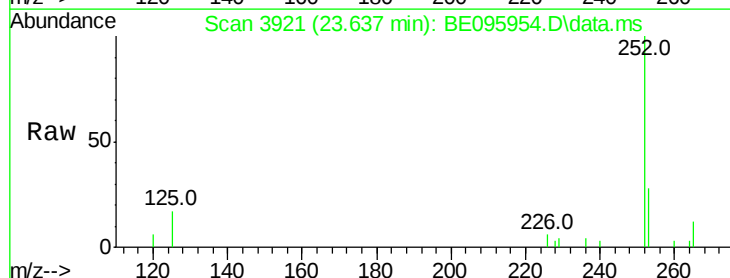
Tgt Ion:252 Resp: 4553

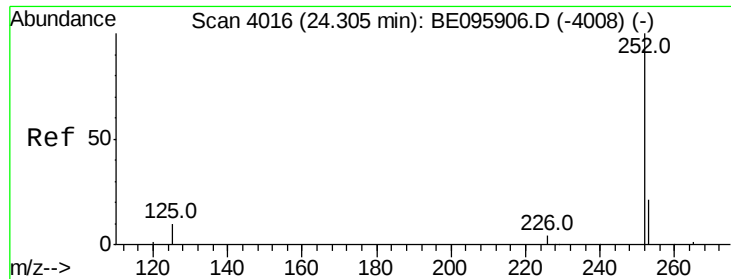
Ion Ratio Lower Upper

252 100

253 27.6 24.5 36.7

125 17.0 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.20 ng/ul

RT: 24.277 min Scan# 4016

Delta R.T. -0.006 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.230

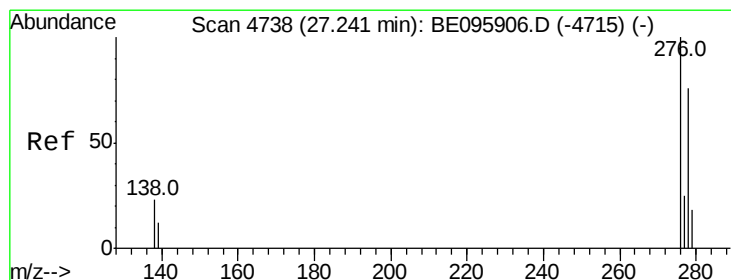
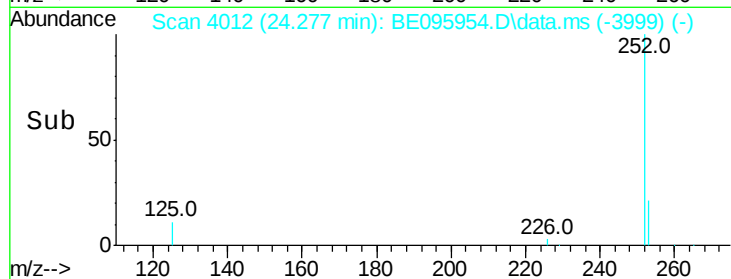
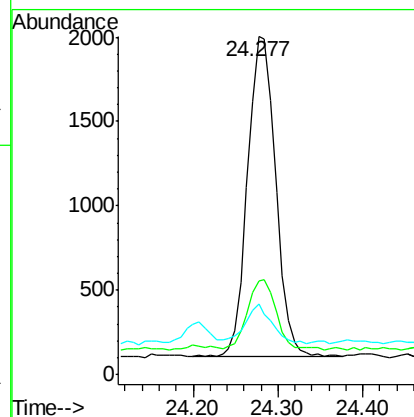
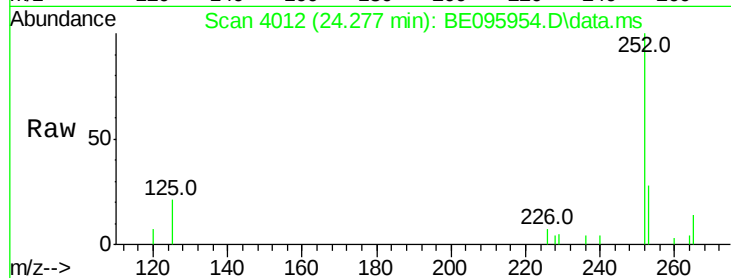
Tgt Ion:252 Resp: 4363

Ion Ratio Lower Upper

252 100

253 27.5 28.5 42.7#

125 21.0 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.20 ng/ul

RT: 27.205 min Scan# 4728

Delta R.T. 0.005 min

Lab File: BE095954.D

Acq: 6 Apr 2018 13:39

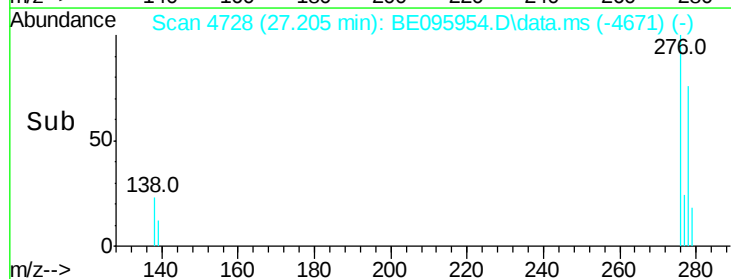
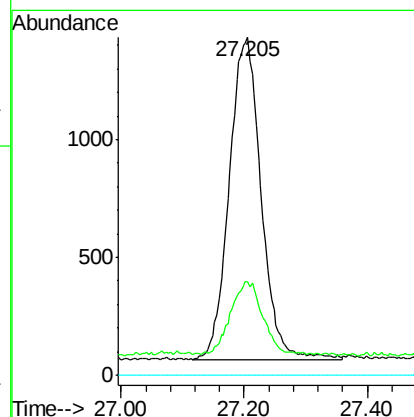
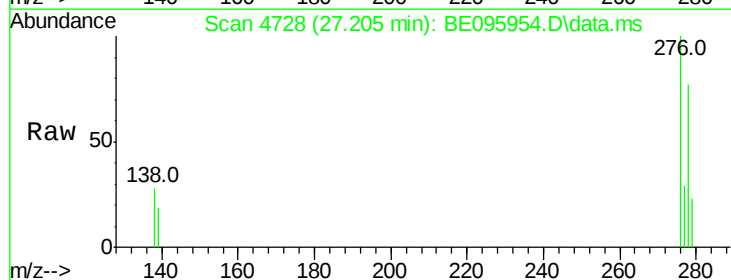
Tgt Ion:276 Resp: 4920

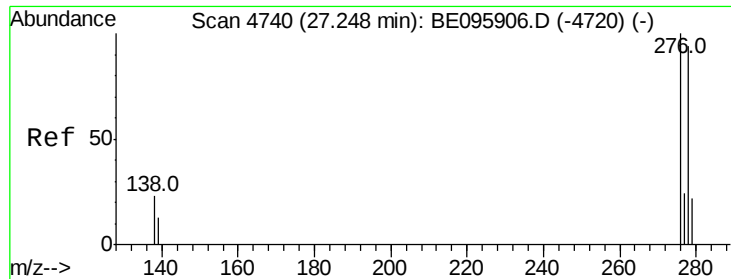
Ion Ratio Lower Upper

276 100

138 21.9 28.0 42.0#

227 0.0 8.0 12.0#

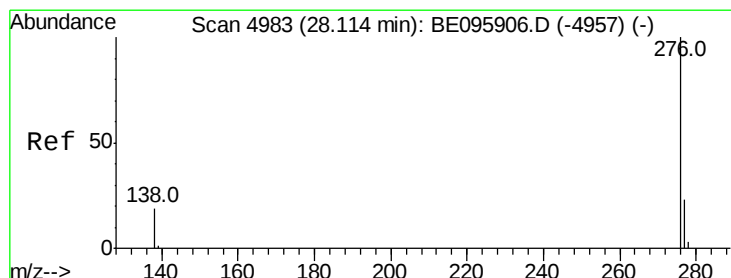
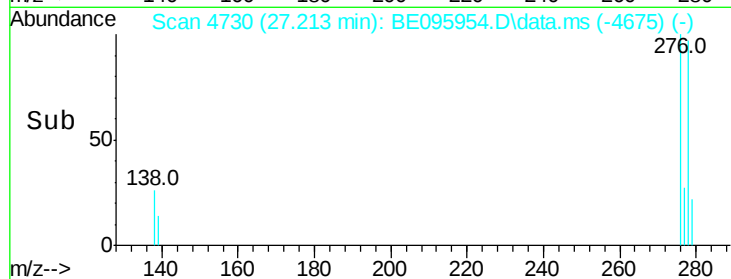
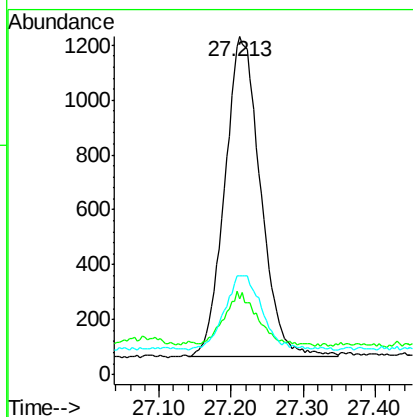
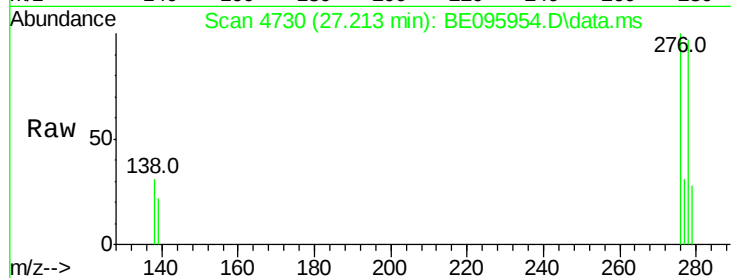




#25
 Dibenzo(a,h)anthracene
 Concen: 0.20 ng/ul
 RT: 27.213 min Scan# 47
 Delta R.T. -0.002 min
 Lab File: BE095954.D
 Acq: 6 Apr 2018 13:39

Instrument :
 BNA_E
 ClientSampleId :
 SST0.230

Tgt Ion:278 Resp: 3907
 Ion Ratio Lower Upper
 278 100
 139 22.4 17.4 26.0
 279 29.2 25.9 38.9



#26
 Benzo(g,h,i)perylene
 Concen: 0.20 ng/ul
 RT: 28.076 min Scan# 4972
 Delta R.T. 0.001 min
 Lab File: BE095954.D
 Acq: 6 Apr 2018 13:39

Tgt Ion:276 Resp: 4148
 Ion Ratio Lower Upper
 276 100
 138 24.7 21.8 32.8
 277 28.4 20.5 30.7

