

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094047.D
 Acq On : 21 Sep 2017 00:31
 Operator : SJ/JU
 Sample : I5284-04 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3C9

Quant Time: Sep 21 07:29:24 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 21 07:18:34 2017
 Response via : Initial Calibration

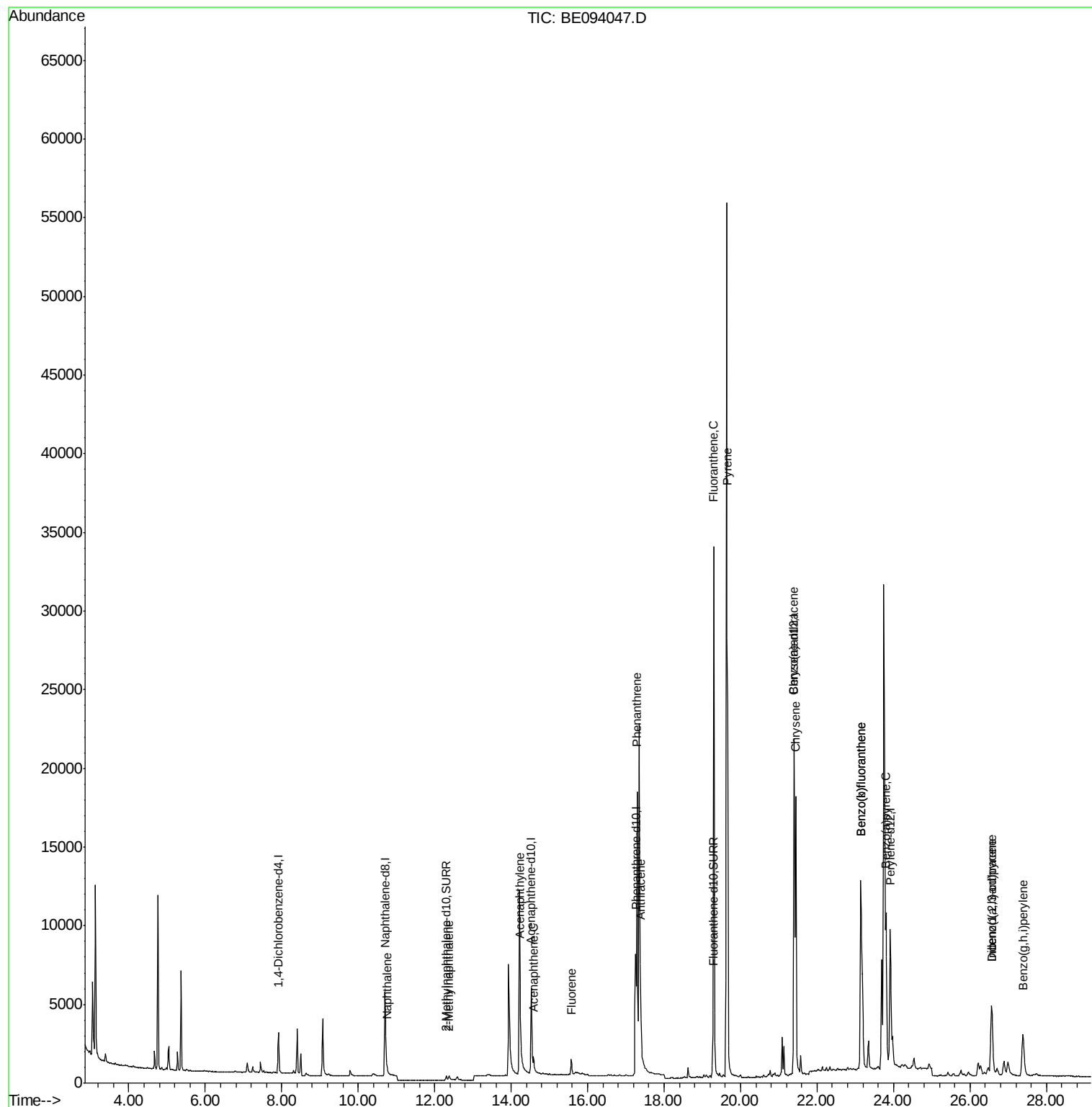
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1474	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7007	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4368	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12092	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	15302	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	14537	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	654	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2541	0.06	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	806	0.047	ng/ul#	80
5) 2-Methylnaphthalene	12.38	142	353	0.032	ng/ul	100
7) Acenaphthylene	14.24	152	443	0.026	ng/ul#	63
8) Acenaphthene	14.58	153	648	0.046	ng/ul	94
9) Fluorene	15.57	166	831	0.051	ng/ul#	88
12) Phenanthrene	17.29	178	22496	0.712	ng/ul#	89
13) Anthracene	17.38	178	4750	0.155	ng/ul#	91
15) Fluoranthene	19.30	202	40717	0.981	ng/ul	85
17) Pyrene	19.66	202	38791	0.911	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	19052	0.469	ng/ul#	86
19) Chrysene	21.45	228	20229	0.432	ng/ul	97
21) Benzo(b)fluoranthene	23.14	252	31456	0.797	ng/ul	86
22) Benzo(k)fluoranthene	23.14	252	31456	0.689	ng/ul#	88
23) Benzo(a)pyrene	23.80	252	14903	0.363	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.56	276	9591	0.228	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.58	278	2397	0.068	ng/ul#	94
26) Benzo(a,h,i)perylene	27.38	276	7168	0.198	ng/ul	98

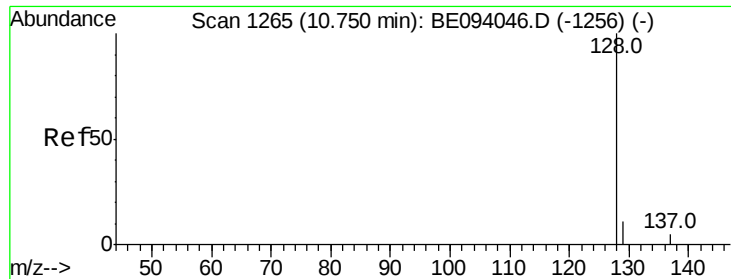
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.047 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

Instrument :

BNA_E

ClientSampled :

CB3C9

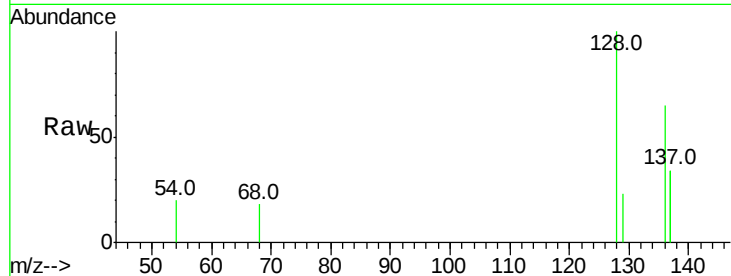
Tot Ion:128 Resp: 806

Ion Ratio Lower Upper

128 100

129 23.2 11.3 16.9#

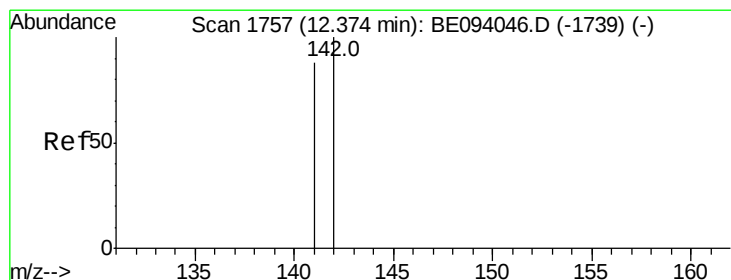
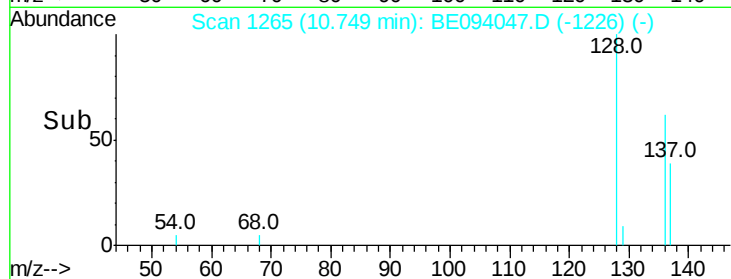
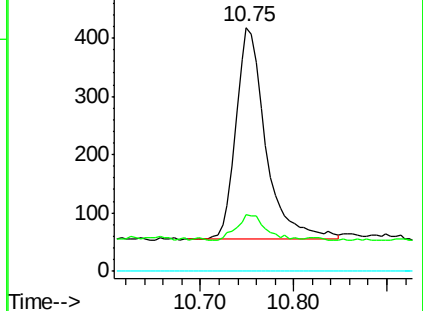
127 0.0 4.0 6.0#



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: 0.032 ng/ul

RT: 12.38 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BE094047.D

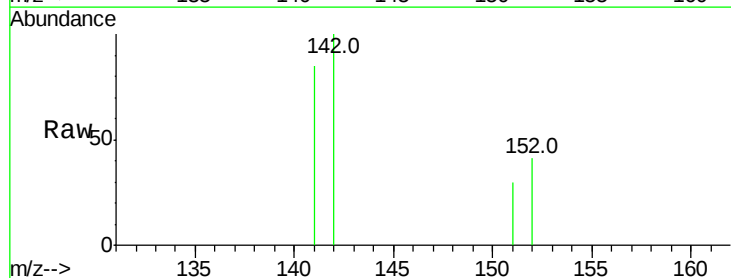
Acq: 21 Sep 2017 00:31

Tgt Ion:142 Resp: 353

Ion Ratio Lower Upper

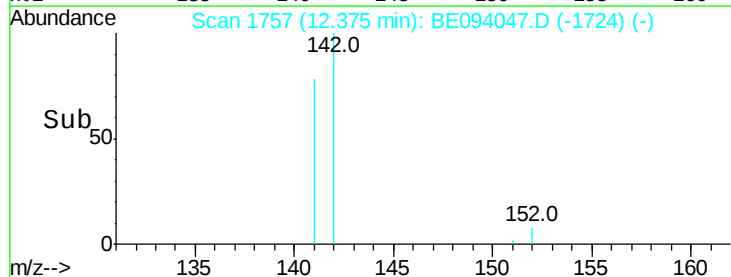
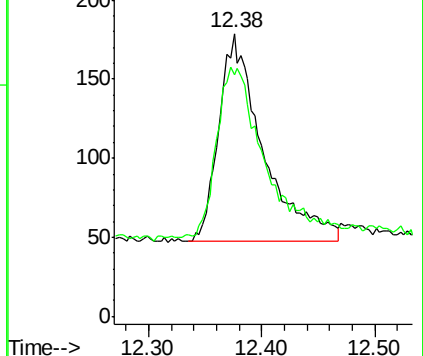
142 100

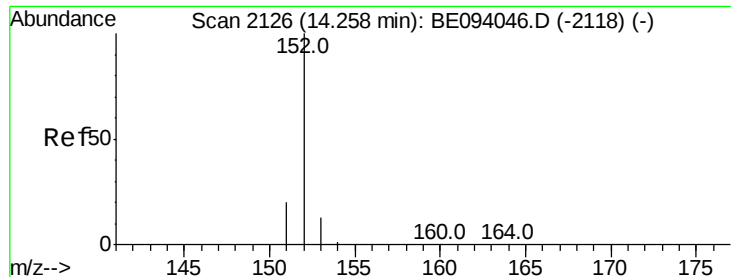
141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.026 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

Instrument :

BNA_E

ClientSampleId :

CB3C9

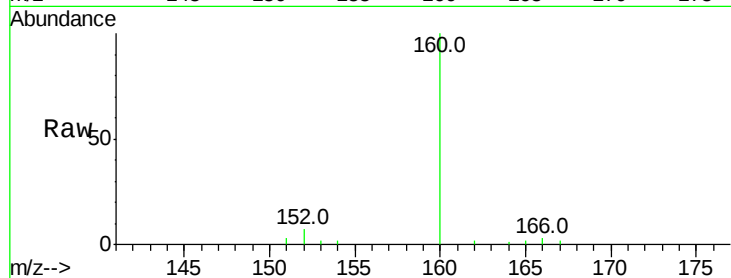
Tot Ion:152 Resp: 443

Ion Ratio Lower Upper

152 100

151 37.9 17.1 25.7#

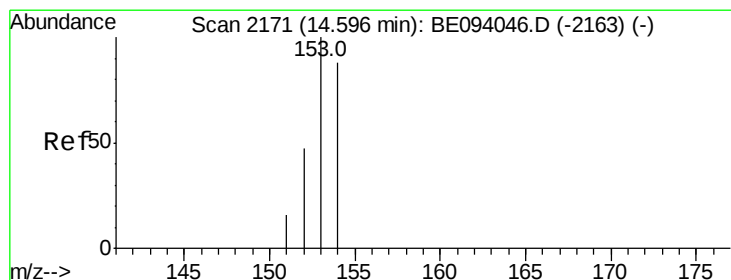
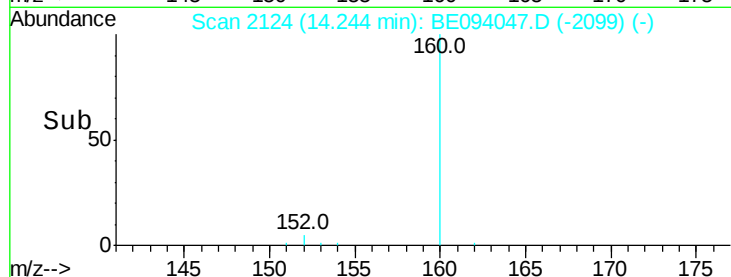
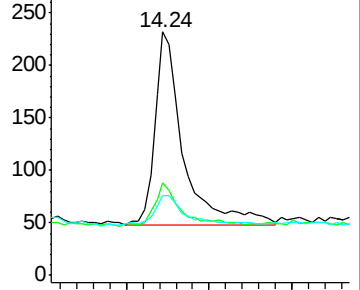
153 32.8 12.8 19.2#



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: 0.046 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

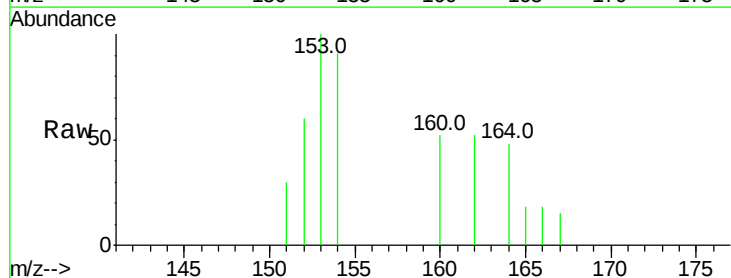
Tgt Ion:153 Resp: 648

Ion Ratio Lower Upper

153 100

152 59.5 40.3 60.5

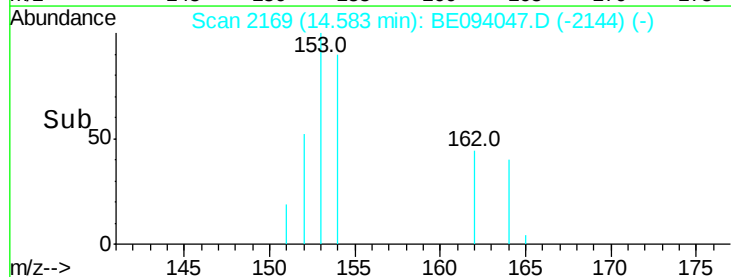
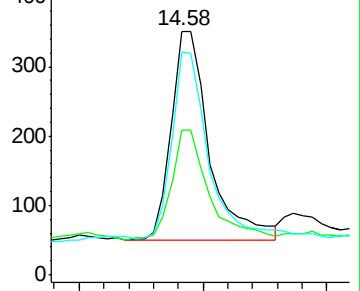
154 91.5 71.4 107.2

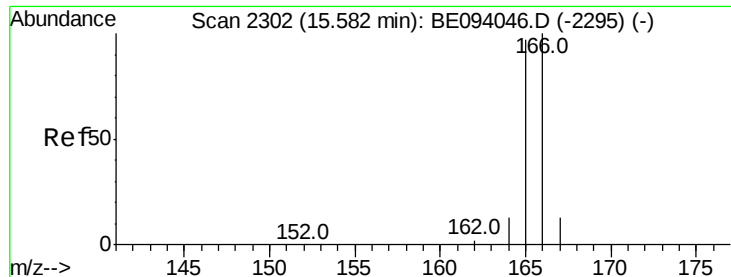


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.051 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

Instrument :

BNA_E

ClientSampleId :

CB3C9

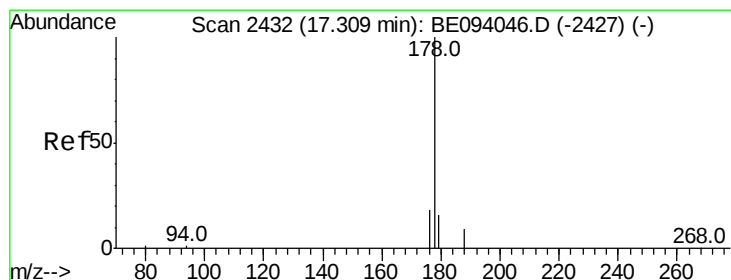
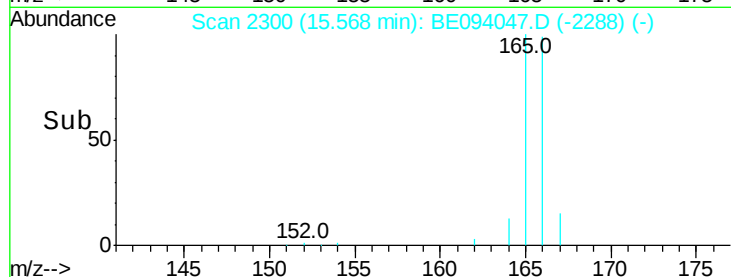
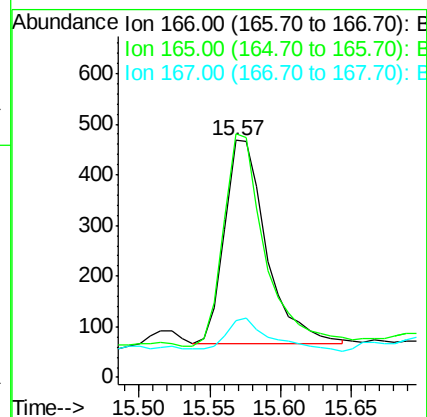
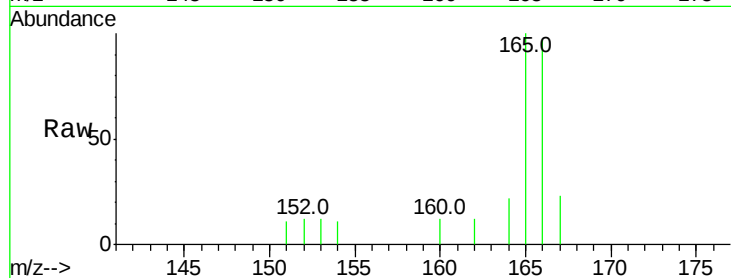
Tot Ion:166 Resp: 831

Ion Ratio Lower Upper

166 100

165 102.8 73.4 110.2

167 24.1 14.6 22.0#



#12

Phenanthrene

Concen: 0.712 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

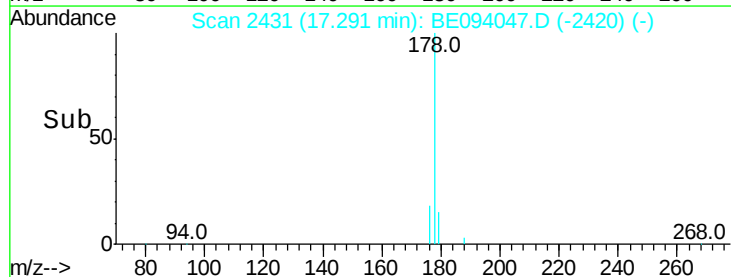
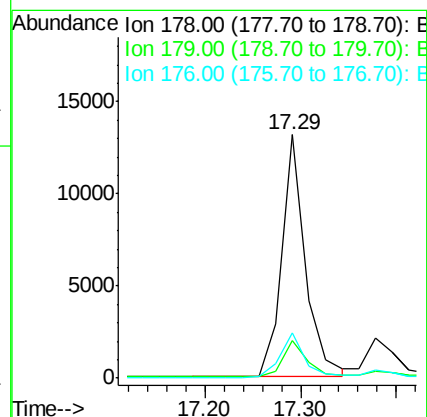
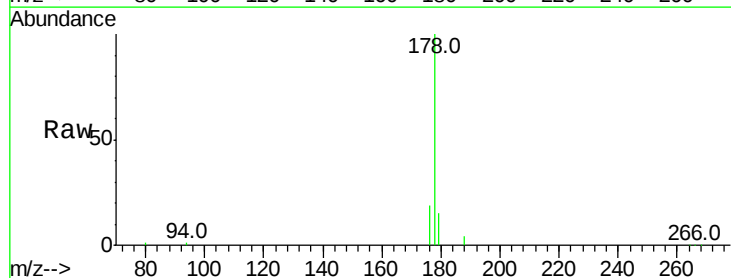
Tgt Ion:178 Resp: 22496

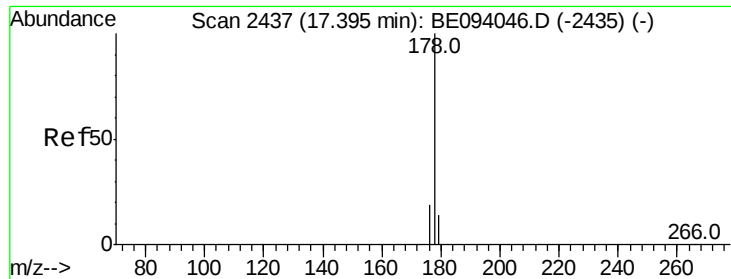
Ion Ratio Lower Upper

178 100

179 15.4 18.4 27.6#

176 18.7 13.6 20.4





#13

Anthracene

Concen: 0.155 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

Instrument :

BNA_E

ClientSampleId :

CB3C9

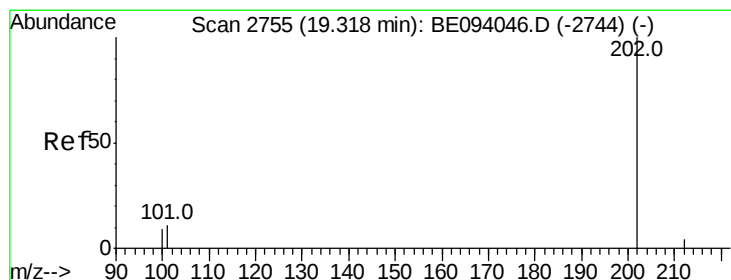
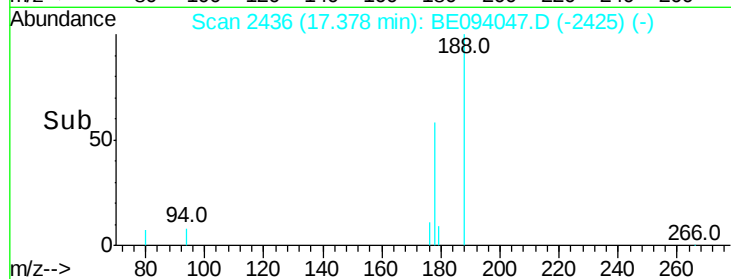
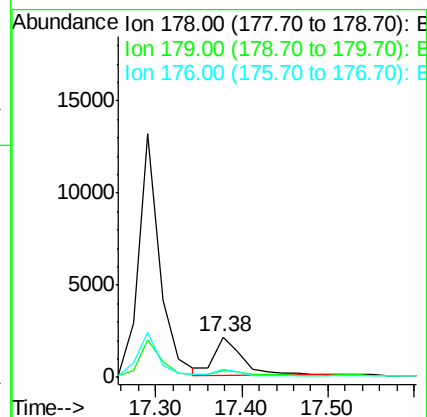
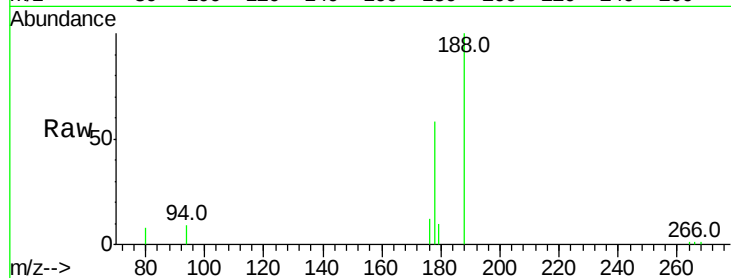
Tot Ion:178 Resp: 4750

Ion Ratio Lower Upper

178 100

179 17.3 18.1 27.1#

176 21.2 14.7 22.1



#15

Fluoranthene

Concen: 0.981 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

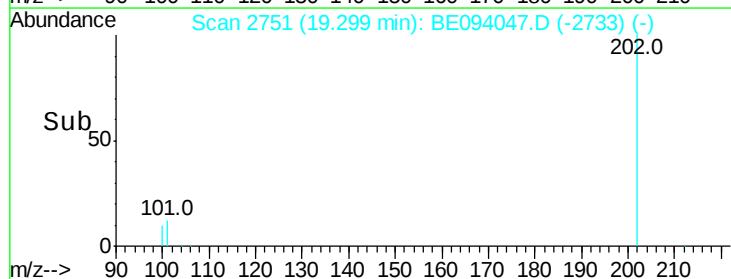
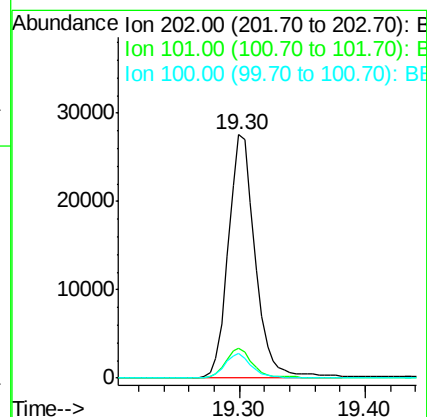
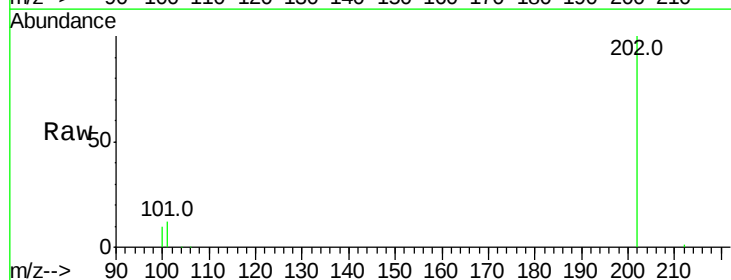
Tgt Ion:202 Resp: 40717

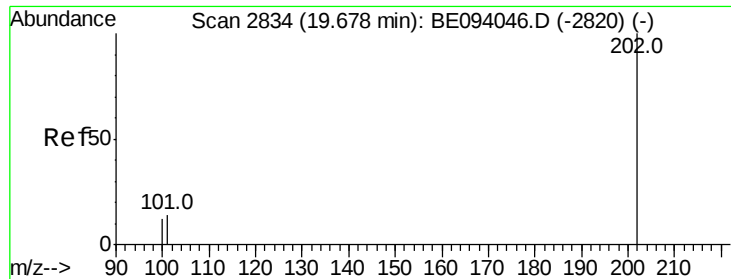
Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.3

100 10.2 0.0 39.5





#17

Pvrene

Concen: 0.911 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

Instrument :

BNA_E

ClientSampleId :

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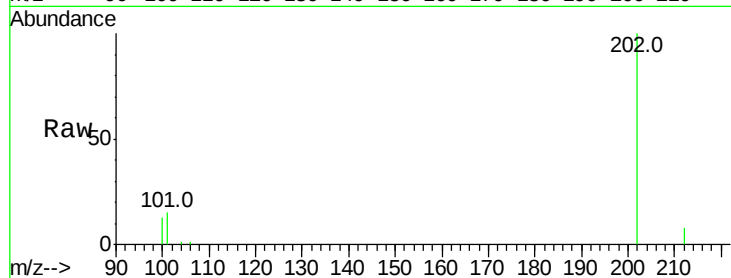
Tot Ion:202 Resp: 38791

Ion Ratio Lower Upper

202 100

101 14.7 18.2 27.4#

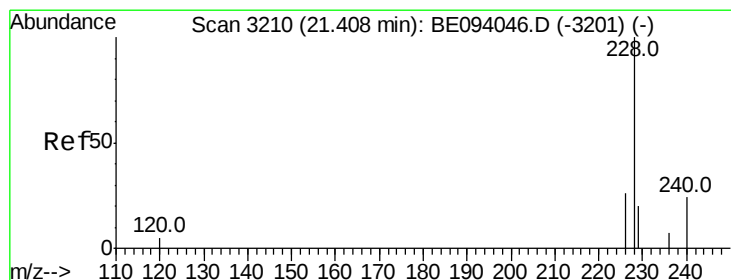
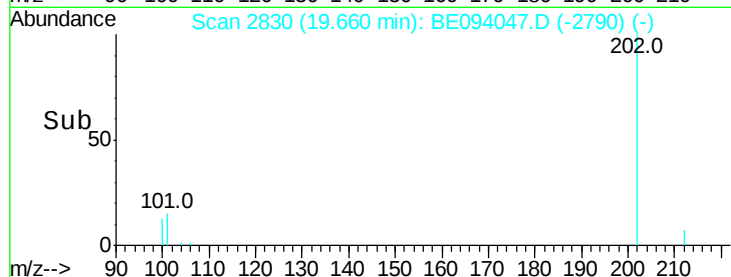
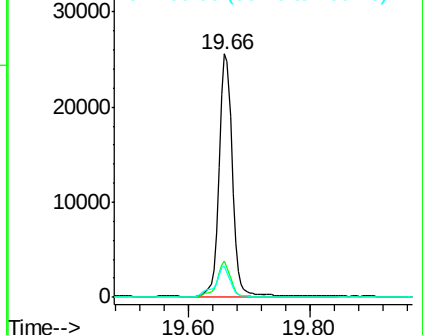
100 12.8 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 0.469 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

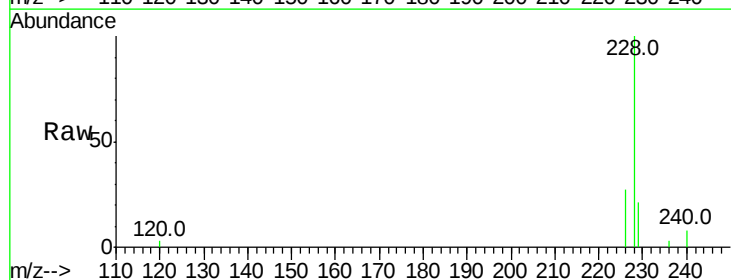
Tgt Ion:228 Resp: 19052

Ion Ratio Lower Upper

228 100

229 20.5 22.8 34.2#

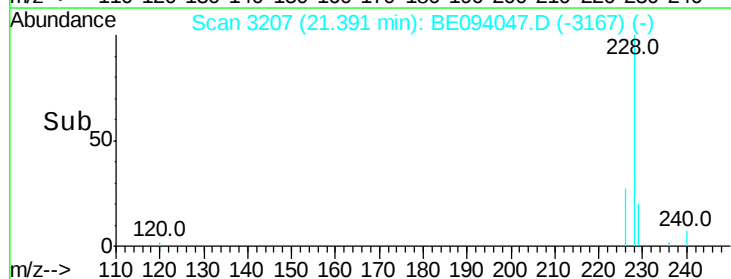
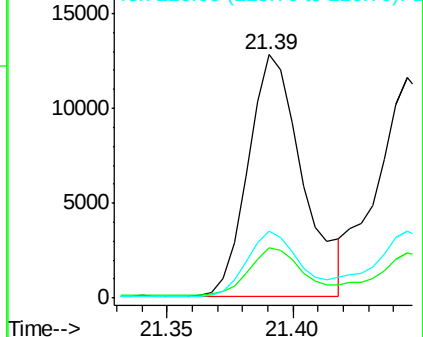
226 27.5 17.0 25.6#

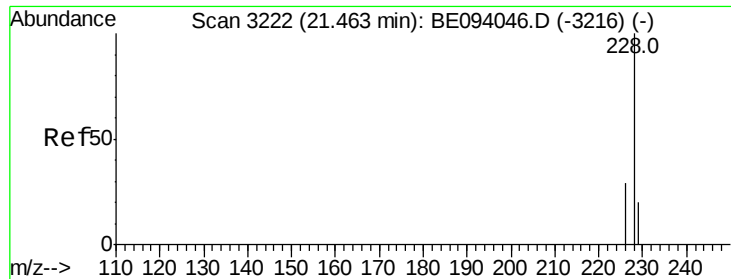


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.432 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

Instrument :

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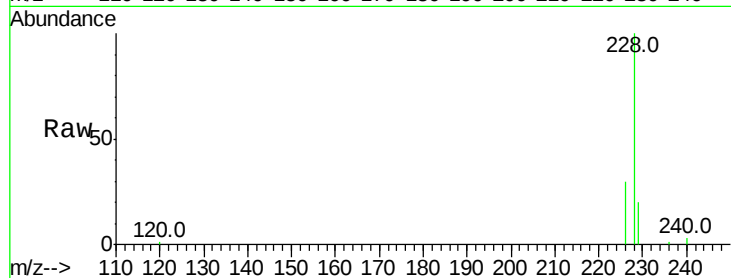
Tot Ion:228 Resp: 20229

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

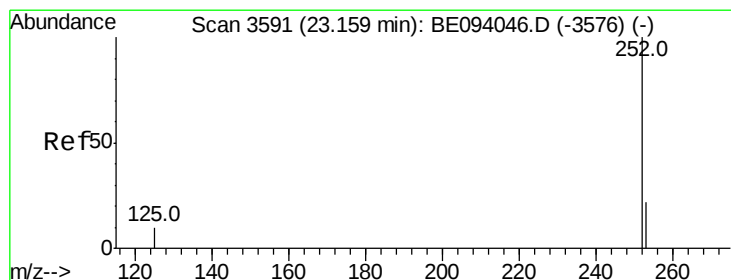
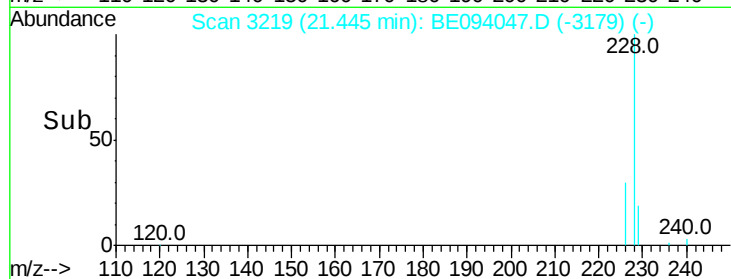
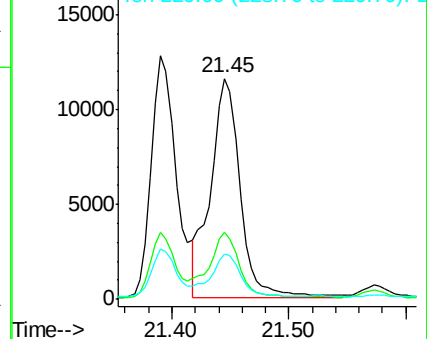
229 20.3 17.7 26.5



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: 0.797 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

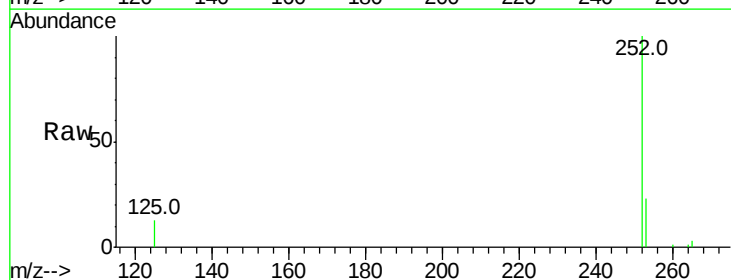
Tgt Ion:252 Resp: 31456

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

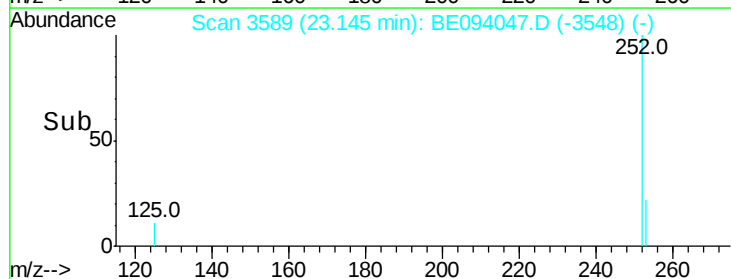
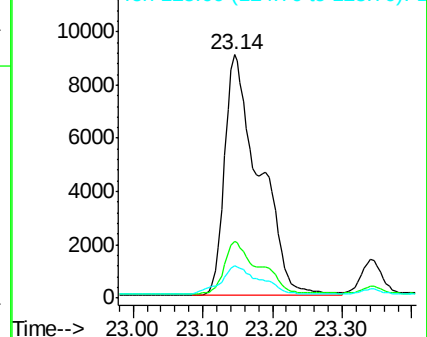
125 13.1 0.0 35.0

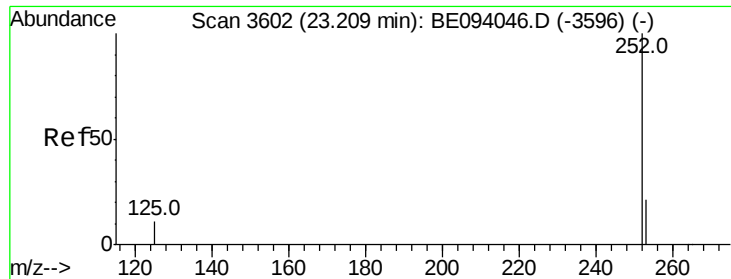


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.689 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.06 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

Instrument :

BNA_E

ClientSampleId :

CB3C9

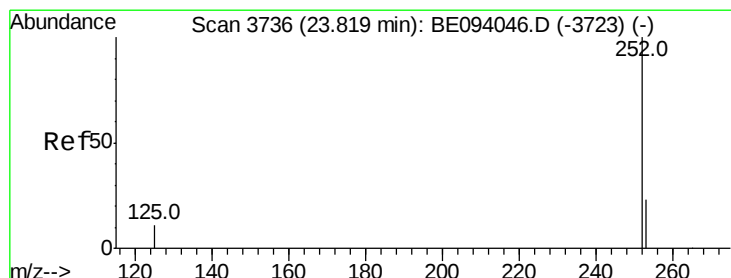
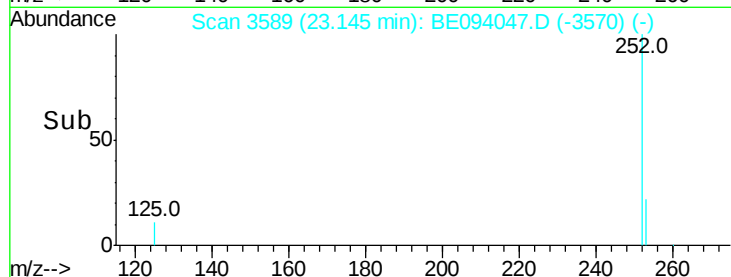
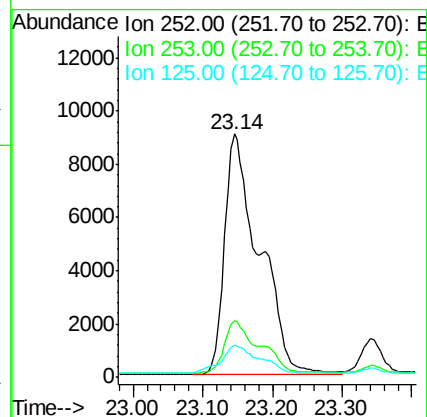
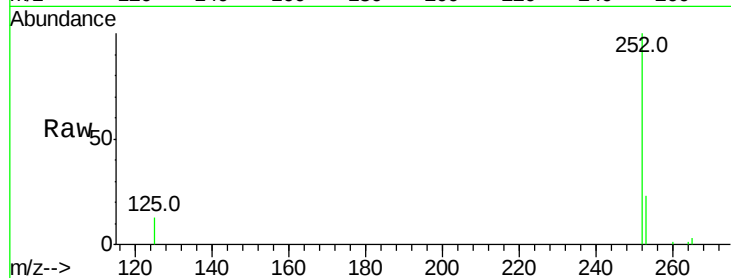
Tot Ion:252 Resp: 31456

Ion Ratio Lower Upper

252 100

253 23.2 24.5 36.7#

125 13.1 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.363 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

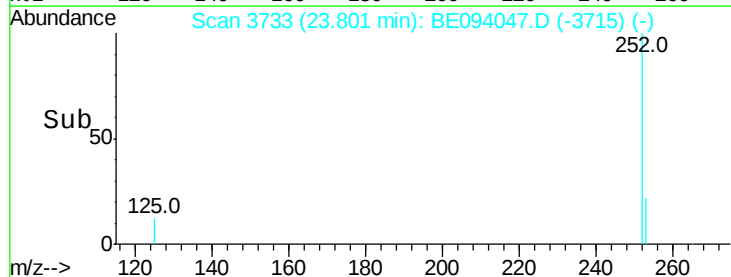
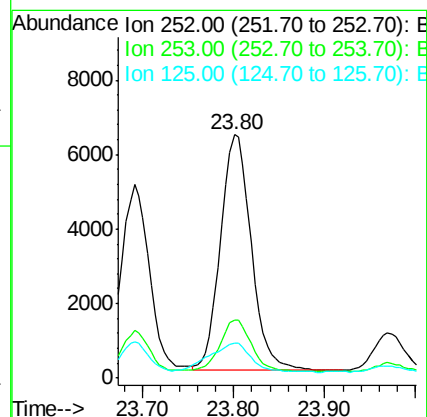
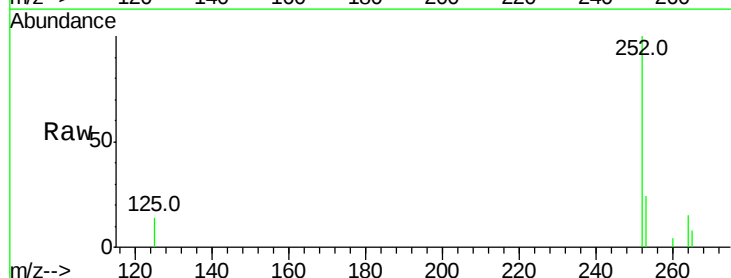
Tgt Ion:252 Resp: 14903

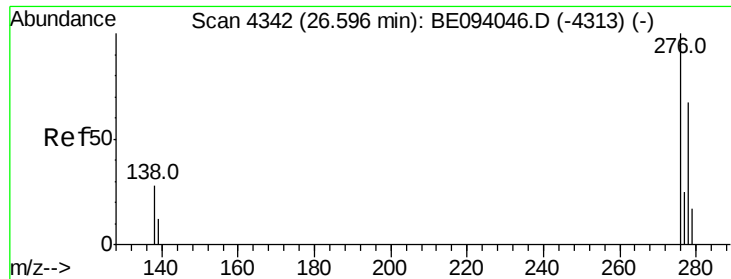
Ion Ratio Lower Upper

252 100

253 23.8 28.5 42.7#

125 14.4 18.1 27.1#



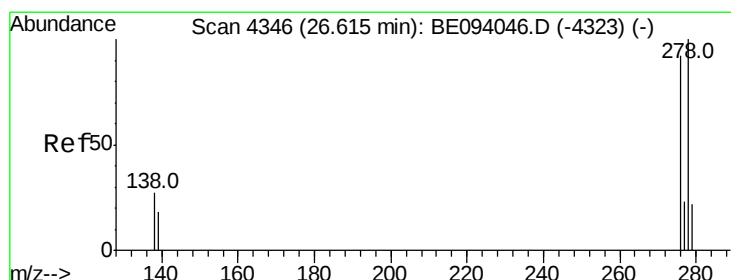
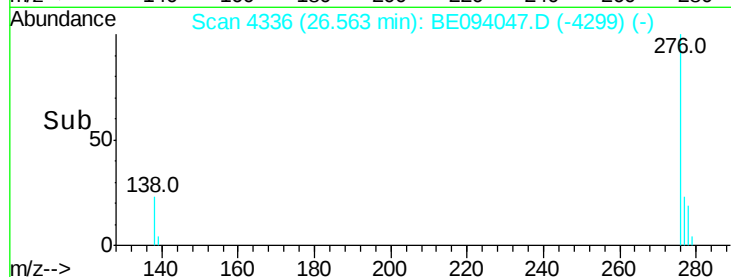
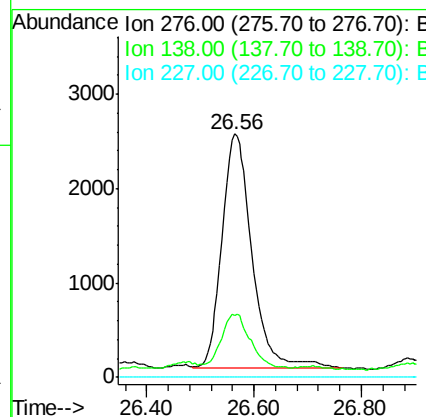
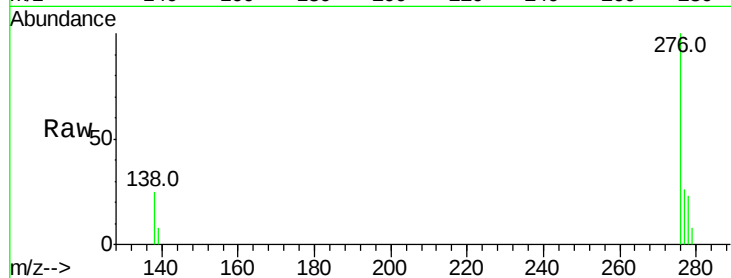


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.228 ng/ul
RT: 26.56 min Scan# 4336
Delta R.T. -0.03 min
Lab File: BE094047.D
Acq: 21 Sep 2017 00:31

Instrument :
BNA_E
ClientSampleId :
CB3C9

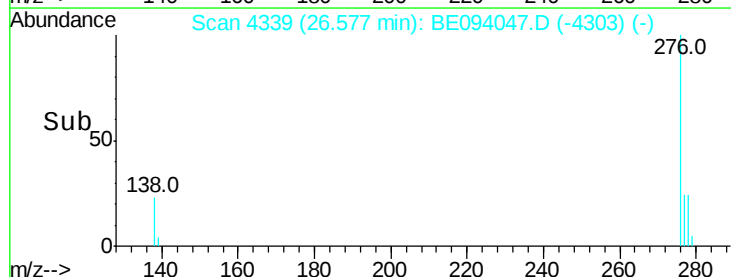
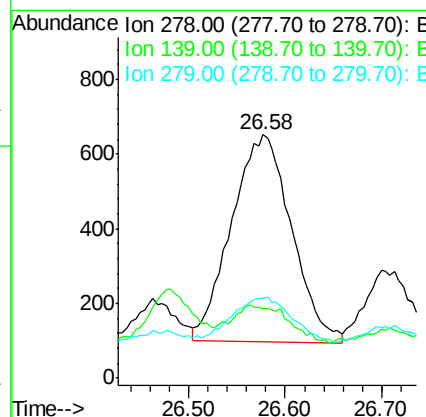
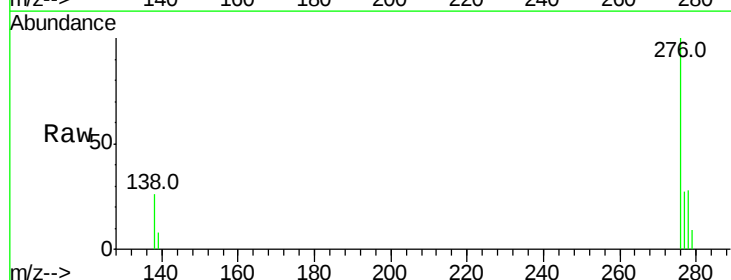
Tot Ion:276 Resp: 9591
Ion Ratio Lower Upper
276 100
138 22.7 28.0 42.0#
227 0.0 8.0 12.0#

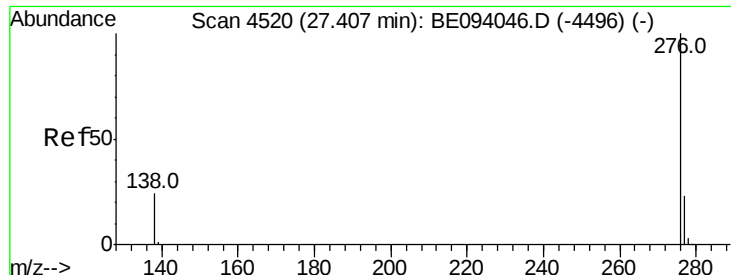


#25

Dibenzo(a,h)anthracene
Concen: 0.068 ng/ul
RT: 26.58 min Scan# 4339
Delta R.T. -0.04 min
Lab File: BE094047.D
Acq: 21 Sep 2017 00:31

Tgt Ion:278 Resp: 2397
Ion Ratio Lower Upper
278 100
139 28.7 17.4 26.0#
279 32.5 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.198 ng/ul

RT: 27.38 min Scan# 4516

Delta R.T. -0.02 min

Lab File: BE094047.D

Acq: 21 Sep 2017 00:31

Instrument :

BNA_E

ClientSampleId :

CB3C9

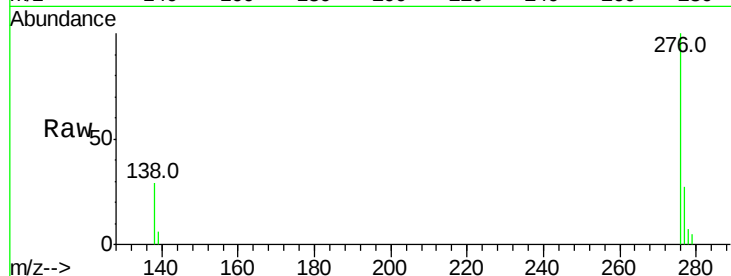
Tot Ion:276 Resp: 7168

Ion Ratio Lower Upper

276 100

138 28.6 21.8 32.8

277 26.6 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

