

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094551.D
 Acq On : 26 Oct 2017 2:15
 Operator : SJ/JU
 Sample : I5747-05 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 12:00:53 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

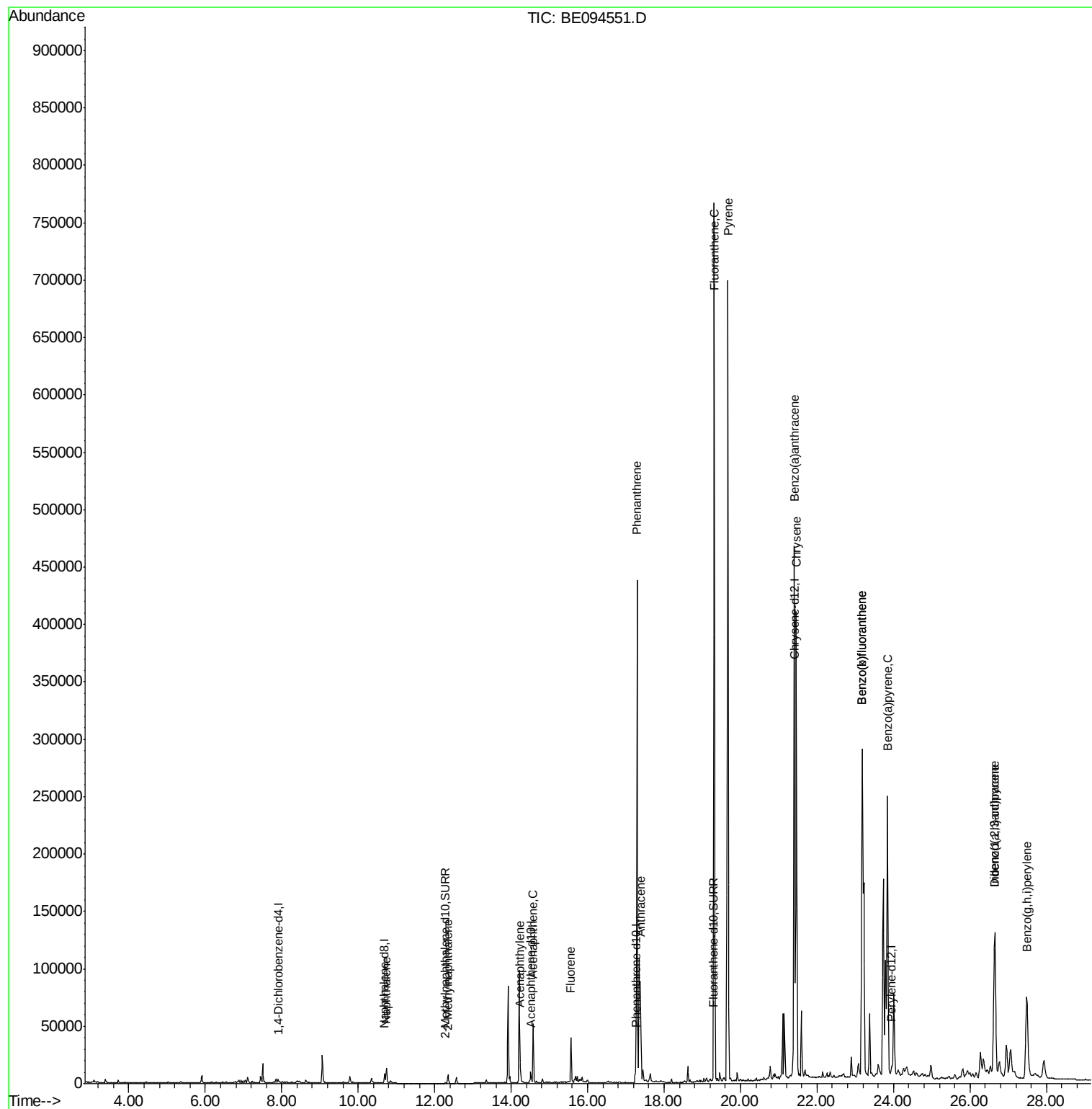
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1683	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9753	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	5649	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12250	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	11751	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	12300	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	835	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	2050	0.06	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	21052	0.883	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	6993	0.419	ng/ul	99
7) Acenaphthylene	14.24	152	17853	0.699	ng/ul	97
8) Acenaphthene	14.57	153	31584	1.720	ng/ul	97
9) Fluorene	15.57	166	27025	1.311	ng/ul	96
12) Phenanthrene	17.29	178	464148	14.345	ng/ul#	90
13) Anthracene	17.38	178	106711	3.342	ng/ul#	90
15) Fluoranthene	19.31	202	892655	23.863	ng/ul	83
17) Pyrene	19.67	202	784355	21.591	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	438785	13.062	ng/ul#	86
19) Chrysene	21.46	228	427629	12.316	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	746824	21.585	ng/ul	85
22) Benzo(k)fluoranthene	23.18	252	746824	20.142	ng/ul#	87
23) Benzo(a)pyrene	23.84	252	388181	11.224	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.65	276	252239	7.048	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.65	278	64592	2.142	ng/ul	97
26) Benzo(a,h,i)perylene	27.49	276	193869	6.746	ng/ul	96

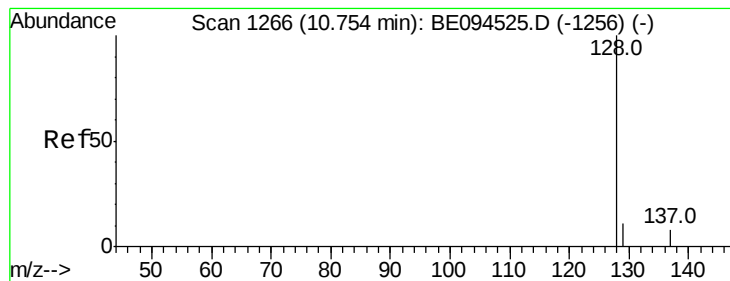
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.883 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

Instrument :

BNA_E

ClientSampleId :

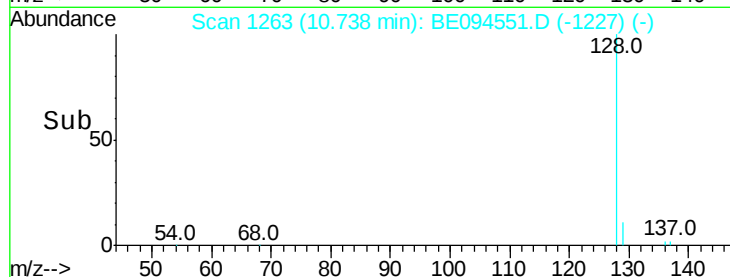
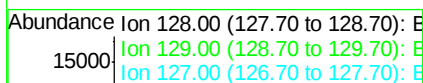
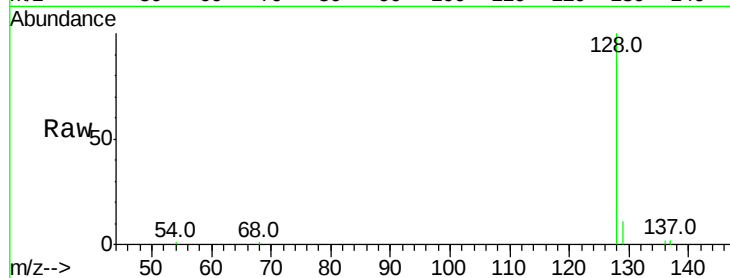
Tot Ion:128 Resp: 21052

Ion Ratio Lower Upper

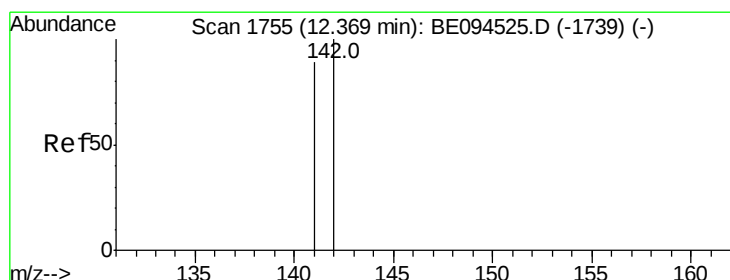
128 100

129 11.5 11.3 16.9

127 0.0 4.0 6.0#



Time-->



#5

2-Methylnaphthalene

Concen: 0.419 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094551.D

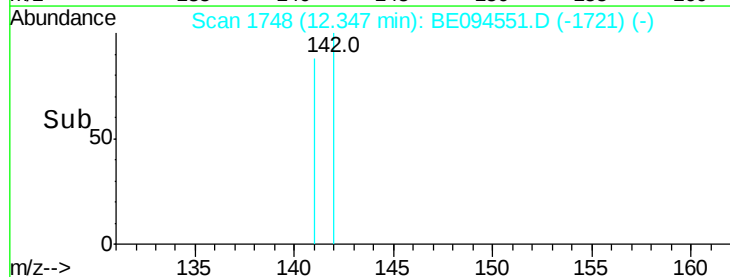
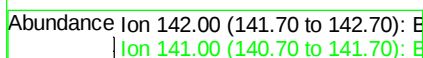
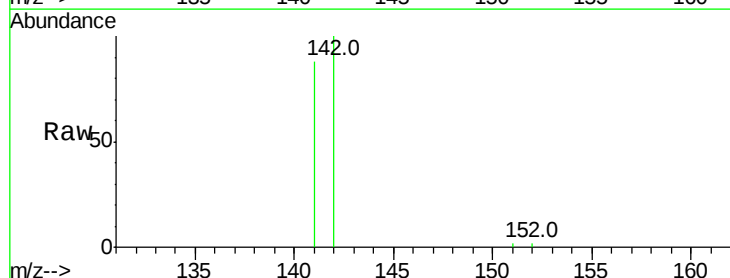
Acq: 26 Oct 2017 2:15

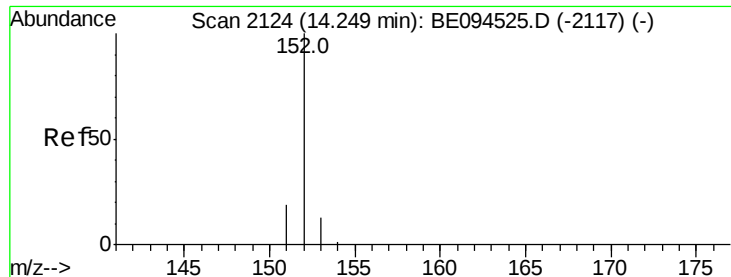
Tgt Ion:142 Resp: 6993

Ion Ratio Lower Upper

142 100

141 89.5 72.6 108.8





#7

Acenaphthylene

Concen: 0.699 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

Instrument :

BNA_E

ClientSampleId :

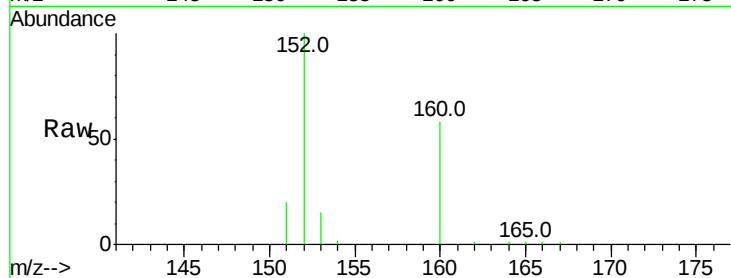
Tot Ion:152 Resp: 17853

Ion Ratio Lower Upper

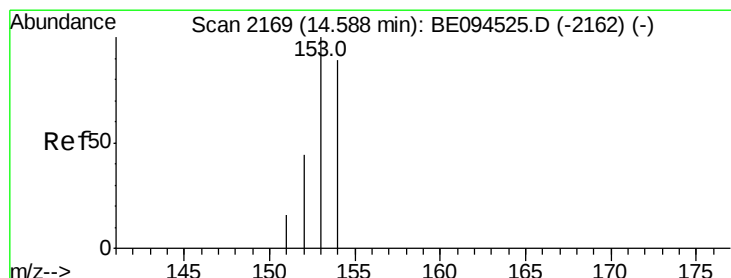
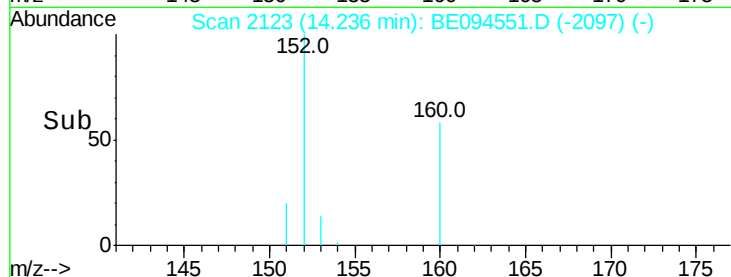
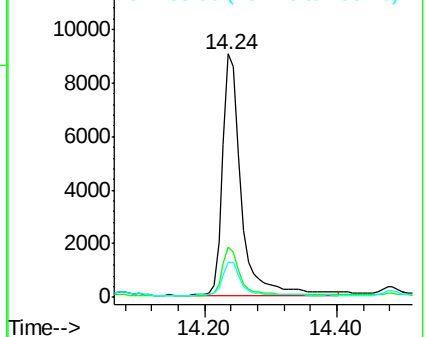
152 100

151 20.4 17.1 25.7

153 14.6 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: 1.720 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

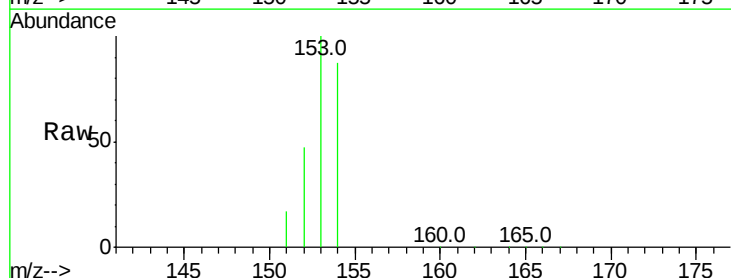
Tgt Ion:153 Resp: 31584

Ion Ratio Lower Upper

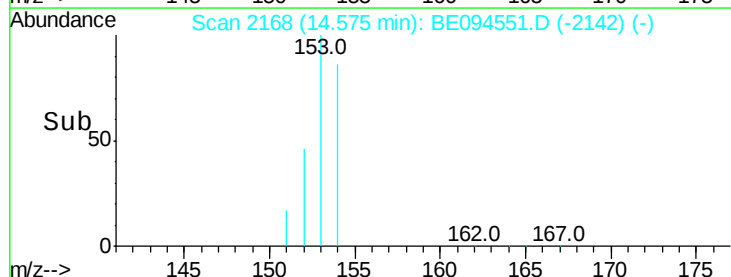
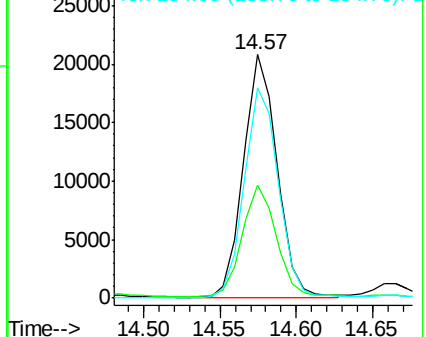
153 100

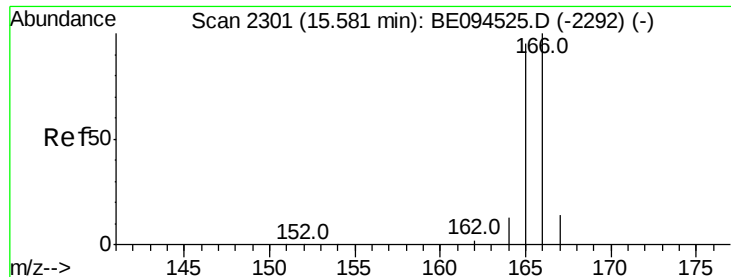
152 46.6 36.0 54.0

154 86.5 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

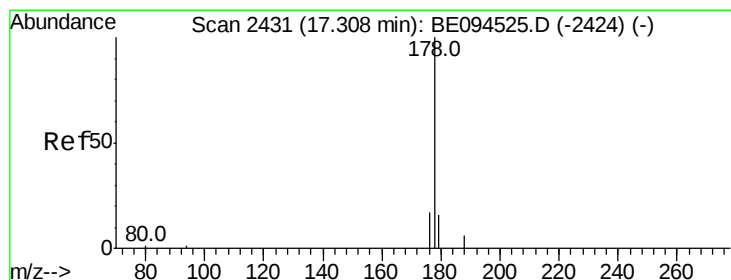
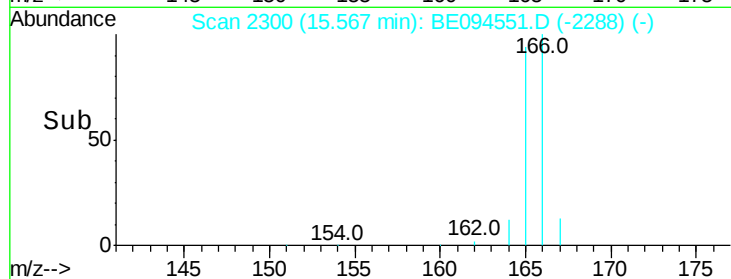
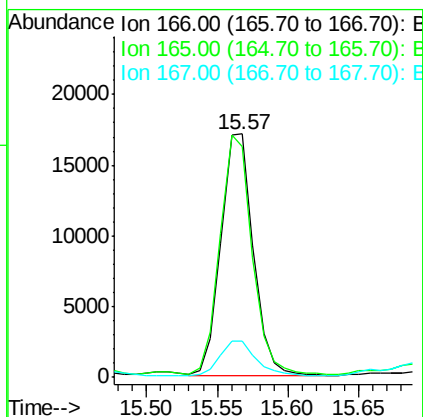
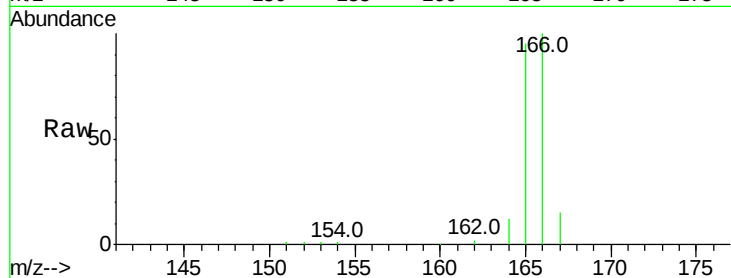




#9
Fluorene
 Concen: 1.311 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094551.D
 Acq: 26 Oct 2017 2:15

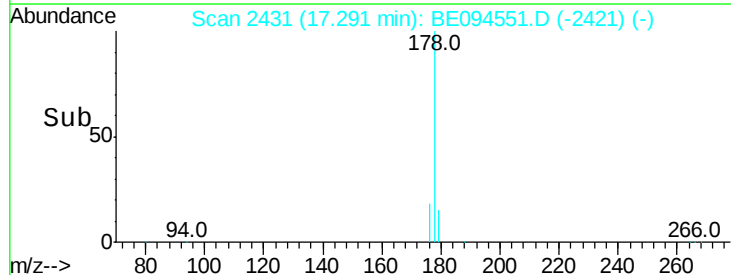
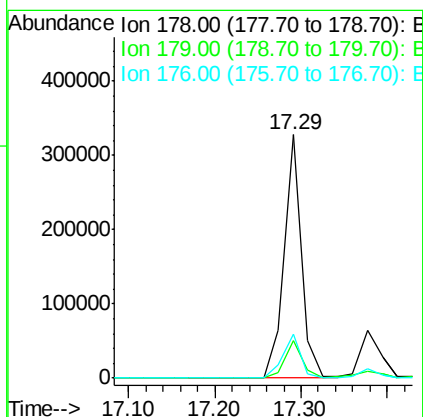
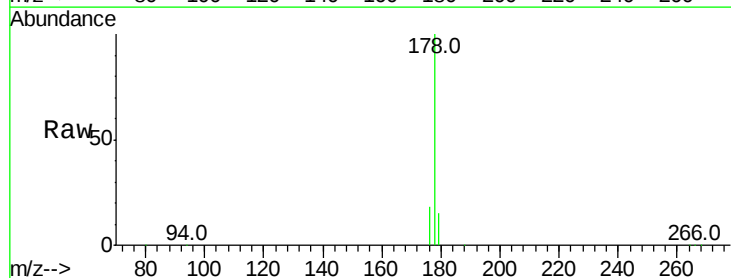
Instrument :
 BNA_E
 ClientSampleId :

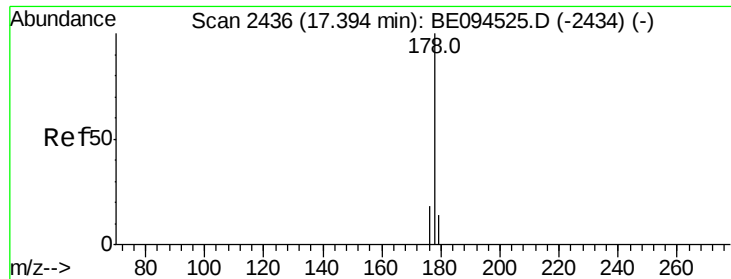
Tot Ion:166 Resp: 27025
 Ion Ratio Lower Upper
 166 100
 165 94.9 73.4 110.2
 167 15.1 14.6 22.0



#12
Phenanthrene
 Concen: 14.345 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094551.D
 Acq: 26 Oct 2017 2:15

Tgt Ion:178 Resp: 464148
 Ion Ratio Lower Upper
 178 100
 179 15.4 18.4 27.6#
 176 18.3 13.6 20.4

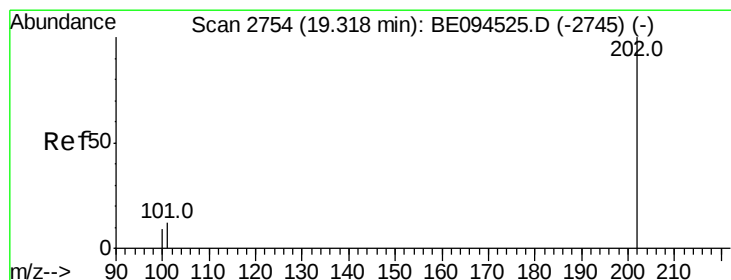
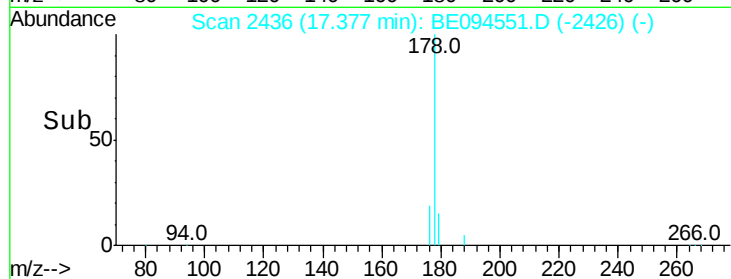
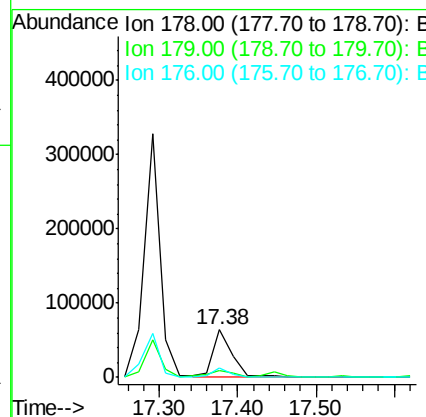
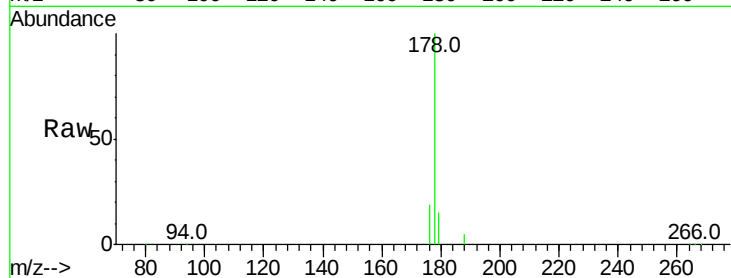




#13
 Anthracene
 Concen: 3.342 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. -0.02 min
 Lab File: BE094551.D
 Acq: 26 Oct 2017 2:15

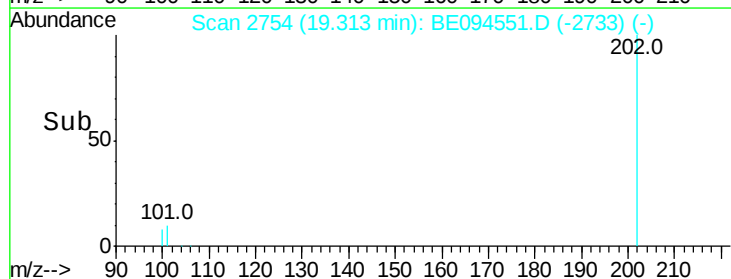
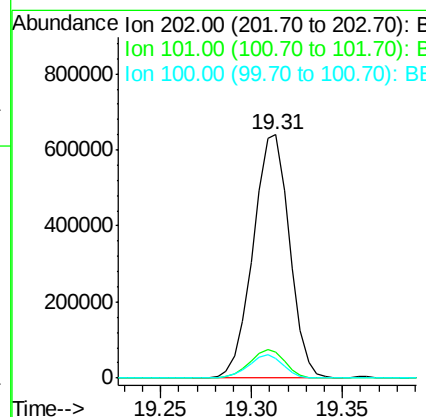
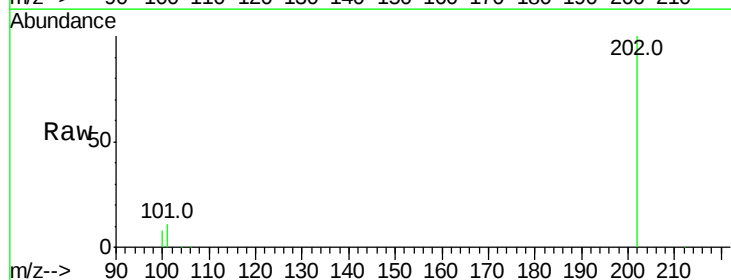
Instrument :
 BNA_E
 ClientSampleId :

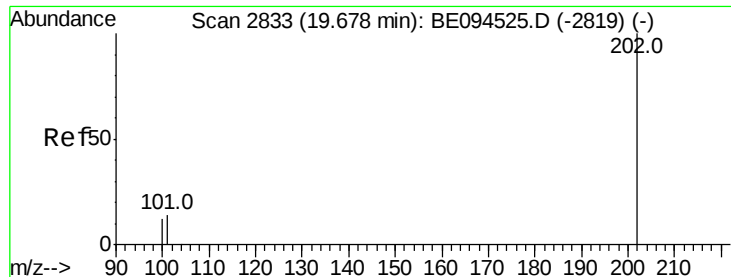
Tot Ion:178 Resp: 106711
 Ion Ratio Lower Upper
 178 100
 179 15.0 18.1 27.1#
 176 19.3 14.7 22.1



#15
 Fluoranthene
 Concen: 23.863 ng/ul
 RT: 19.31 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE094551.D
 Acq: 26 Oct 2017 2:15

Tgt Ion:202 Resp: 892655
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.3
 100 8.1 0.0 39.5





#17

Pvrene

Concen: 21.591 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

Instrument :

BNA_E

ClientSampleId :

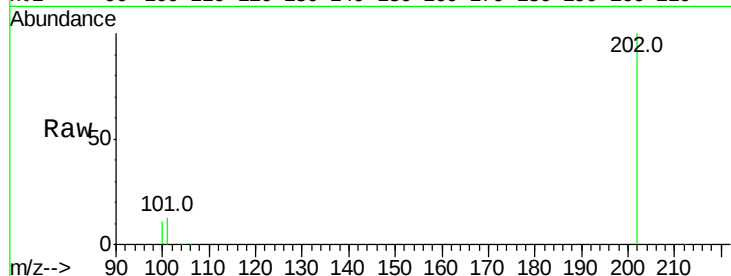
Tot Ion:202 Resp: 784355

Ion Ratio Lower Upper

202 100

101 12.8 18.2 27.4#

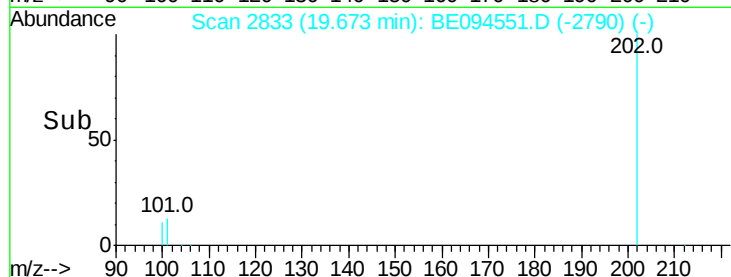
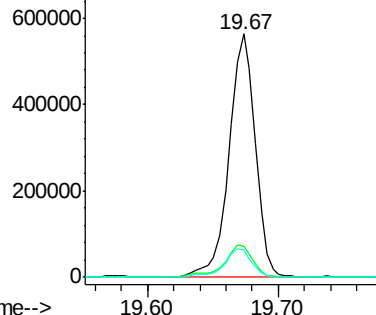
100 11.0 15.6 23.4#



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: 13.062 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

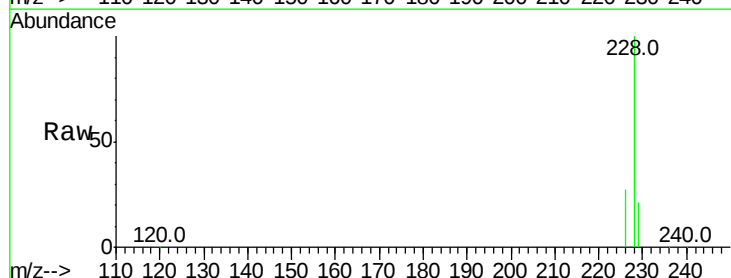
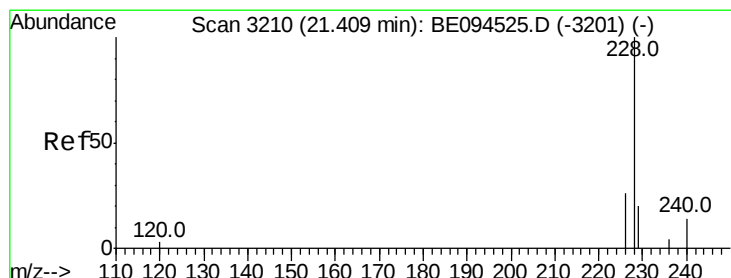
Tgt Ion:228 Resp: 438785

Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

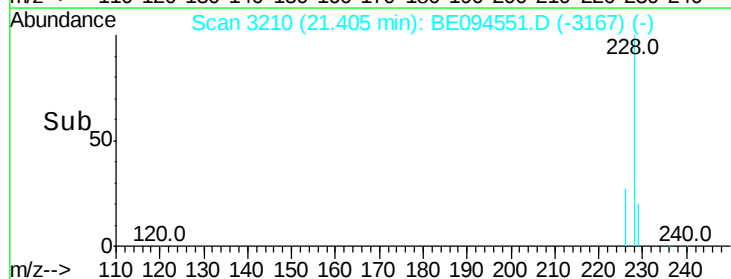
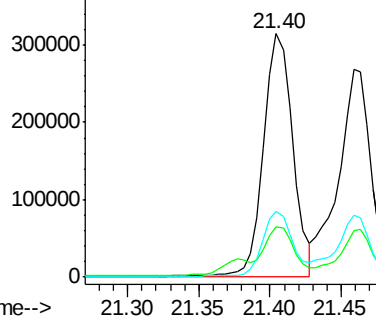
226 27.2 17.0 25.6#

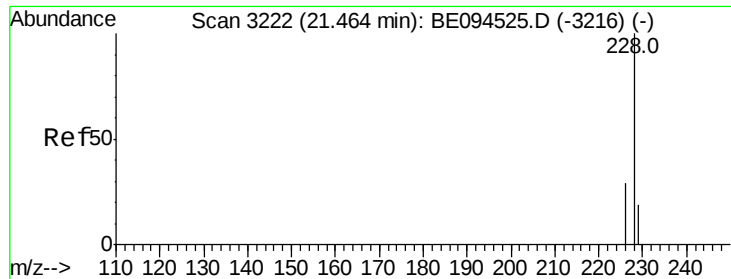


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 12.316 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

Instrument :

BNA_E

ClientSampleId :

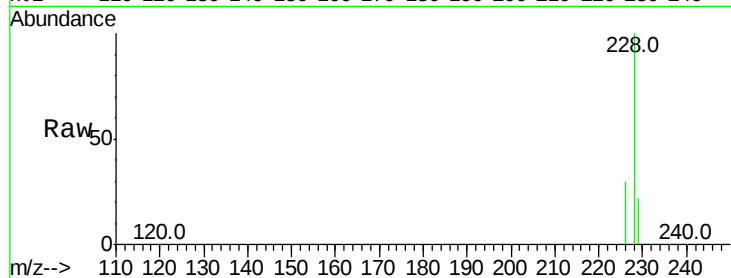
Tot Ion:228 Resp: 427629

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

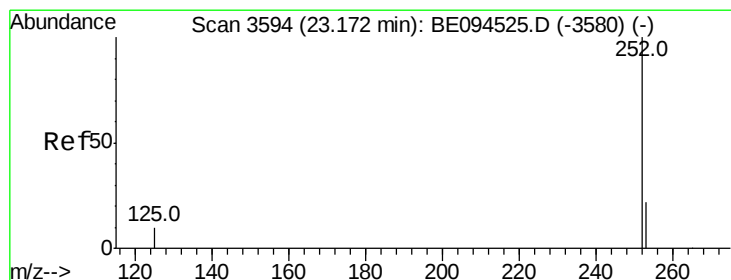
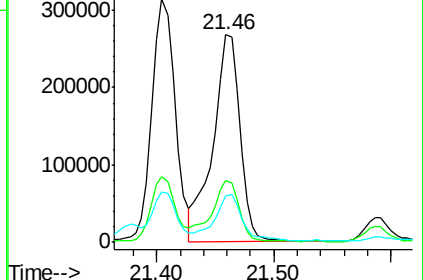
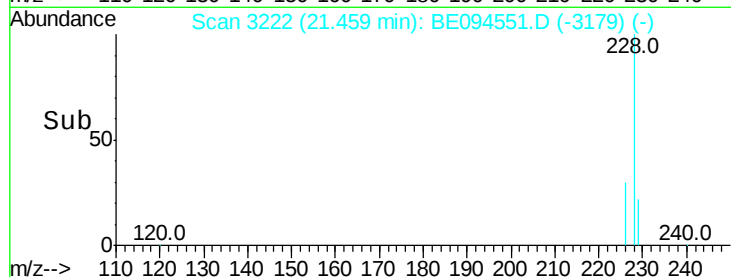
229 22.3 17.7 26.5



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: 21.585 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. 0.01 min

Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

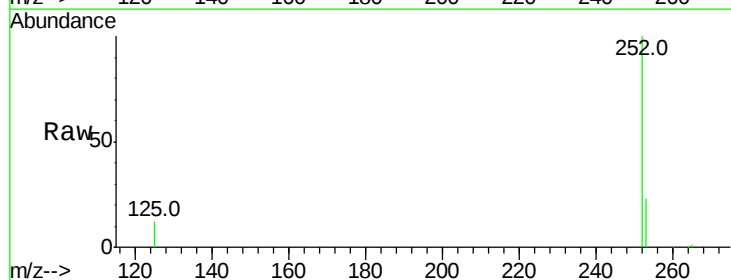
Tgt Ion:252 Resp: 746824

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

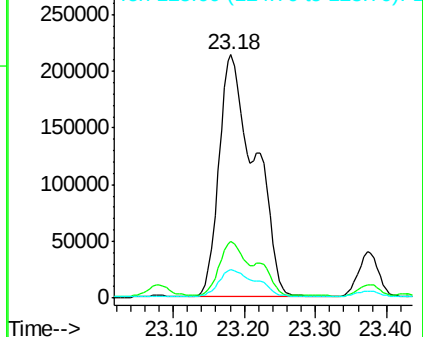
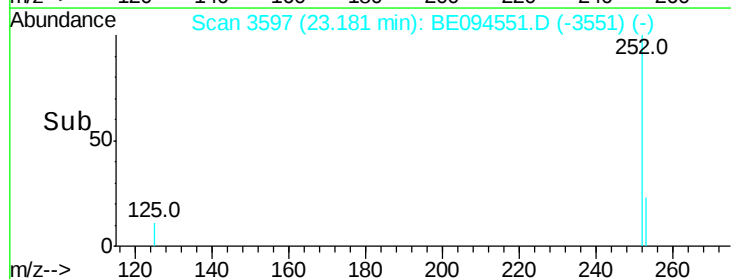
125 11.6 0.0 35.0

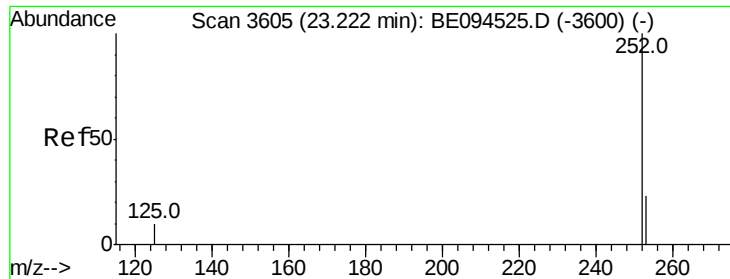


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 20.142 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.04 min

Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

Instrument :

BNA_E

ClientSampleId :

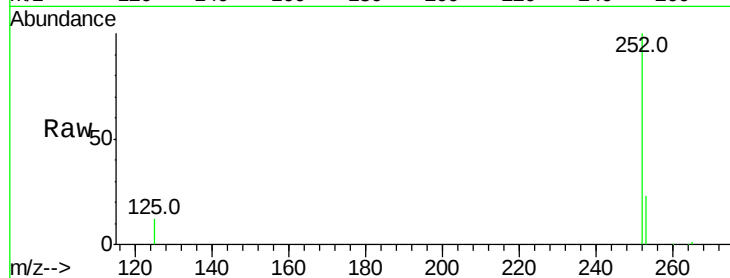
Tot Ion:252 Resp: 746824

Ion Ratio Lower Upper

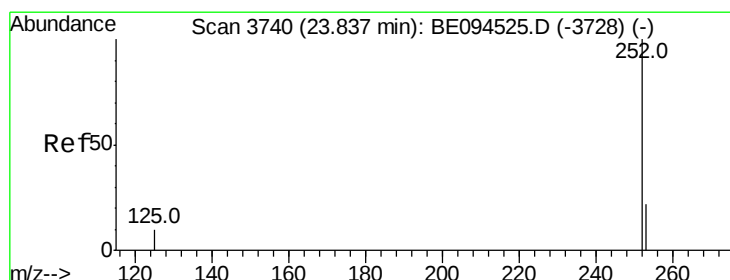
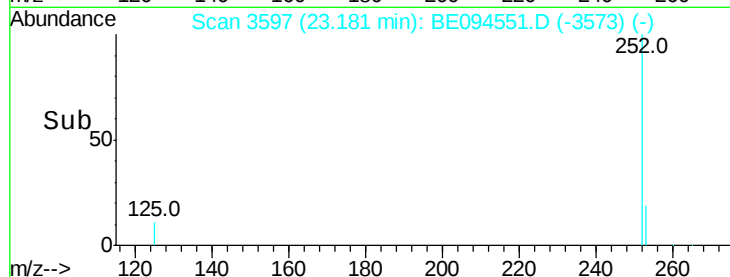
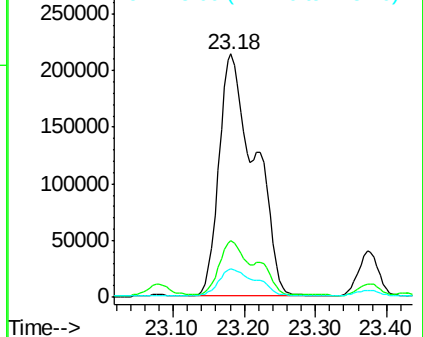
252 100

253 23.2 24.5 36.7#

125 11.6 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: 11.224 ng/ul

RT: 23.84 min Scan# 3742

Delta R.T. 0.00 min

Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

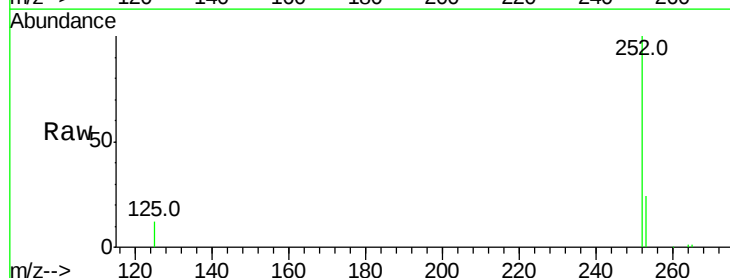
Tgt Ion:252 Resp: 388181

Ion Ratio Lower Upper

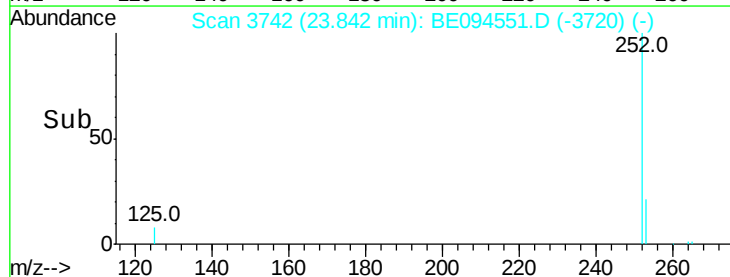
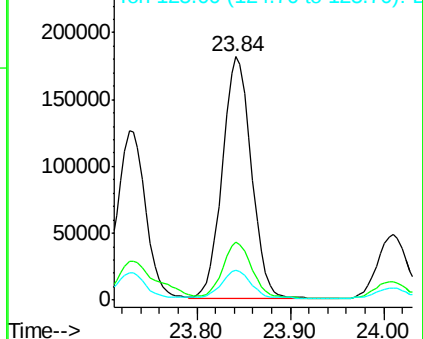
252 100

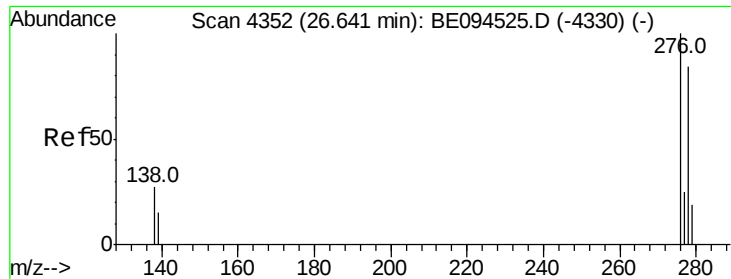
253 23.6 28.5 42.7#

125 12.1 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

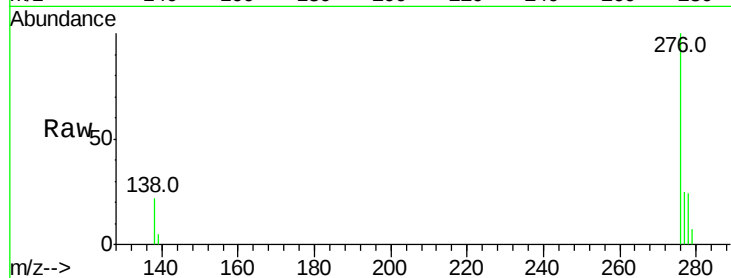




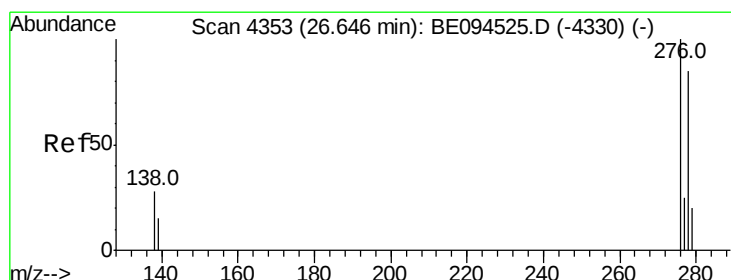
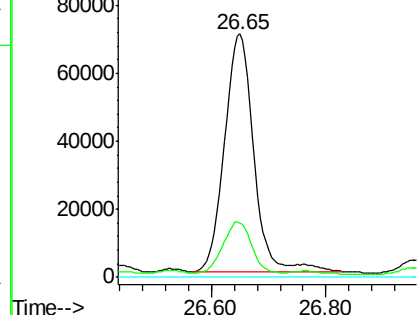
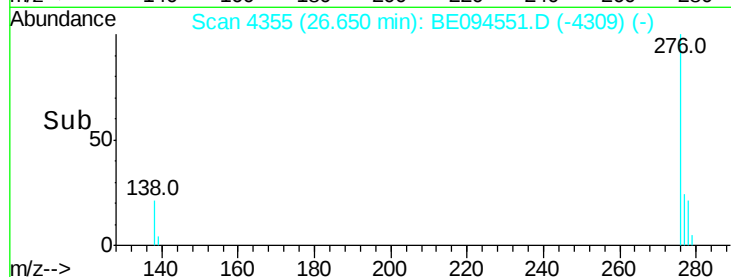
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 7.048 ng/ul
 RT: 26.65 min Scan# 4355
 Delta R.T. 0.01 min
 Lab File: BE094551.D
 Acq: 26 Oct 2017 2:15

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 252239
 Ion Ratio Lower Upper
 276 100
 138 21.2 28.0 42.0#
 227 0.0 8.0 12.0#

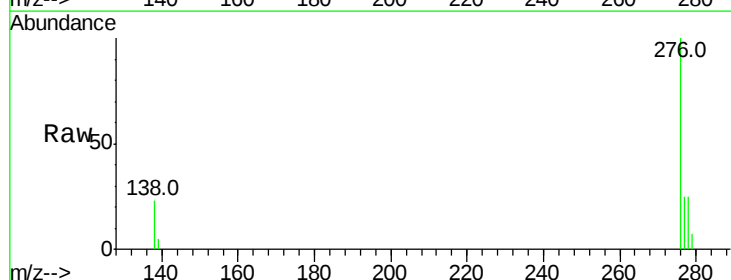


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

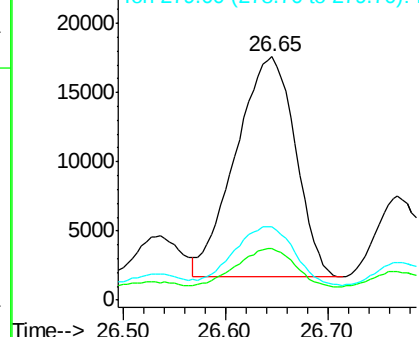
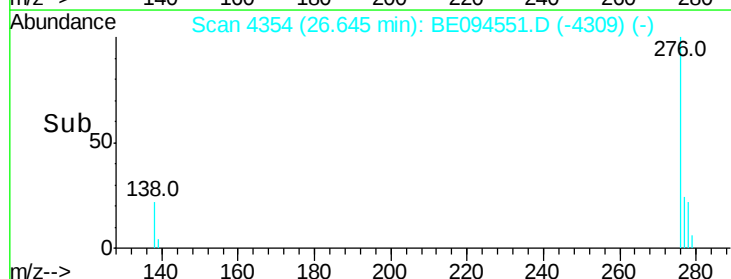


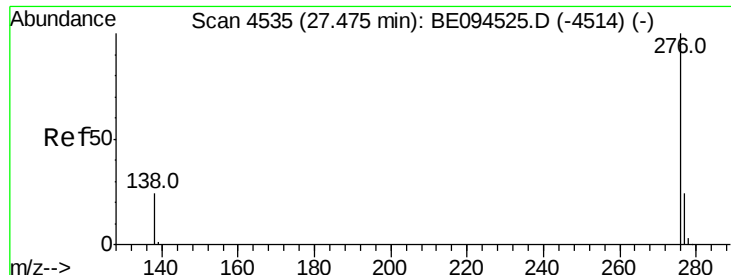
#25
 Dibenzo(a,h)anthracene
 Concen: 2.142 ng/ul
 RT: 26.65 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: BE094551.D
 Acq: 26 Oct 2017 2:15

Tgt Ion:278 Resp: 64592
 Ion Ratio Lower Upper
 278 100
 139 21.0 17.4 26.0
 279 30.1 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(a,h,i)perylene

Concen: 6.746 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. 0.01 min

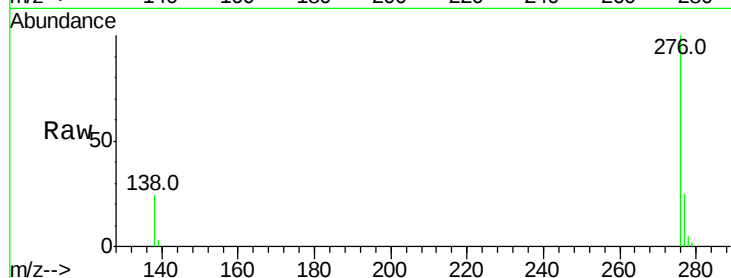
Lab File: BE094551.D

Acq: 26 Oct 2017 2:15

Instrument :

BNA_E

ClientSampleId :



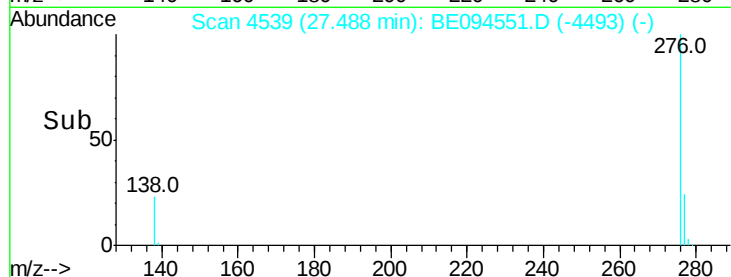
Tot Ion: 276 Resp: 193869

Ion Ratio Lower Upper

276 100

138 23.6 21.8 32.8

277 25.4 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

