

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094051.D
 Acq On : 21 Sep 2017 3:00
 Operator : SJ/JU
 Sample : I5283-18 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3C1

Quant Time: Sep 21 07:30:06 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

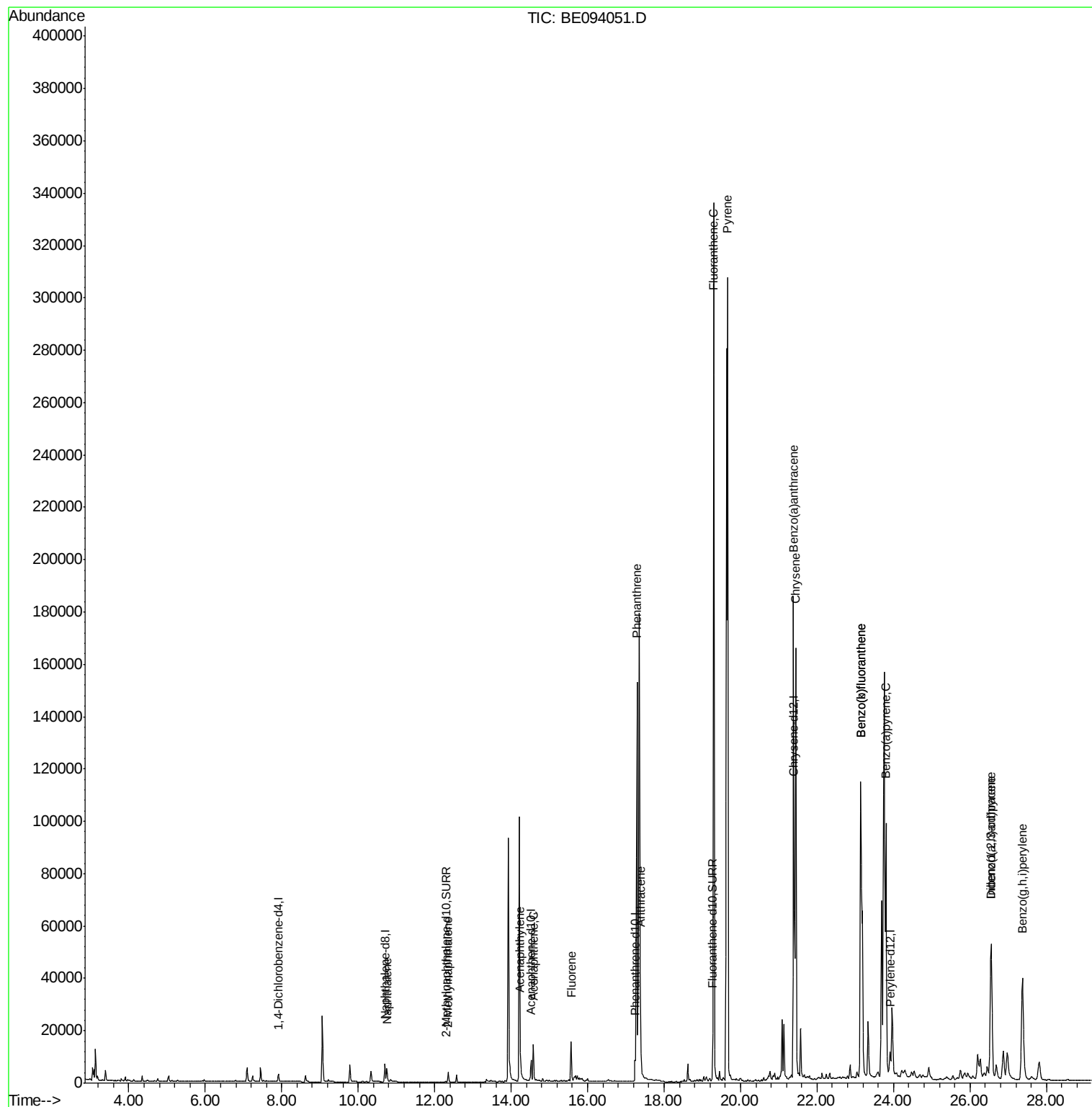
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1486	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7676	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5102	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	13181	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	15065	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	15411	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	841	0.07	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	3147	0.07	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	8090	0.430	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	3777	0.310	ng/ul	100
7) Acenaphthylene	14.24	152	6785	0.341	ng/ul	98
8) Acenaphthene	14.58	153	8847	0.540	ng/ul	97
9) Fluorene	15.57	166	10627	0.554	ng/ul	95
12) Phenanthrene	17.29	178	202089	5.867	ng/ul#	92
13) Anthracene	17.38	178	43113	1.287	ng/ul#	92
15) Fluoranthene	19.30	202	365908	8.085	ng/ul	84
17) Pyrene	19.66	202	335512	8.004	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	180478	4.516	ng/ul#	85
19) Chrysene	21.45	228	178859	3.875	ng/ul	100
21) Benzo(b)fluoranthene	23.15	252	293206	7.004	ng/ul	85
22) Benzo(k)fluoranthene	23.15	252	293206	6.059	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	151165	3.475	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.55	276	96670	2.172	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.55	278	24869	0.666	ng/ul	93
26) Benzo(a,h,i)perylene	27.37	276	94325	2.457	ng/ul	96

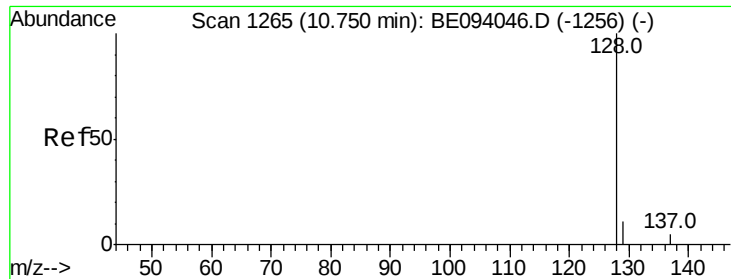
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.430 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

Instrument :

BNA_E

ClientSampleId :

CB3C1

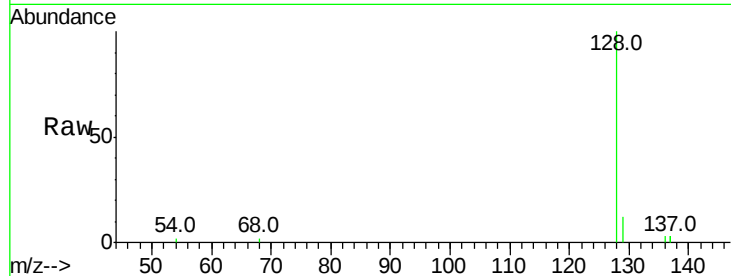
Tot Ion:128 Resp: 8090

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

127 0.0 4.0 6.0#



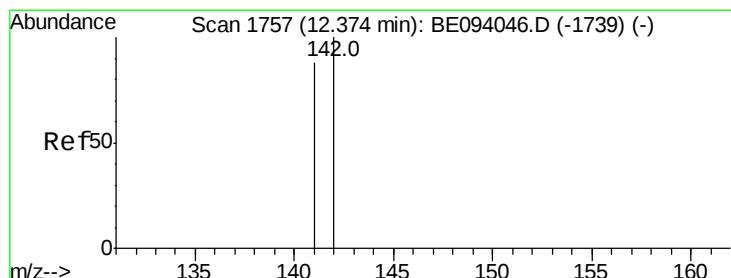
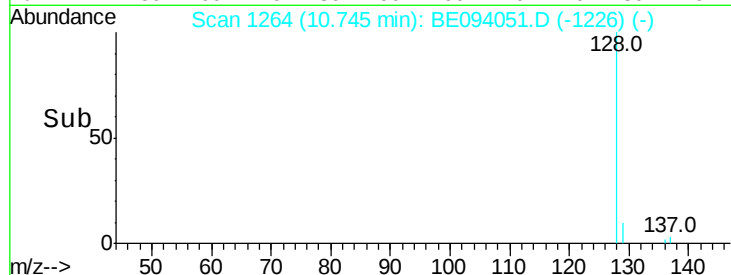
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.74

Time-->



#5

2-Methylnaphthalene

Concen: 0.310 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.02 min

Lab File: BE094051.D

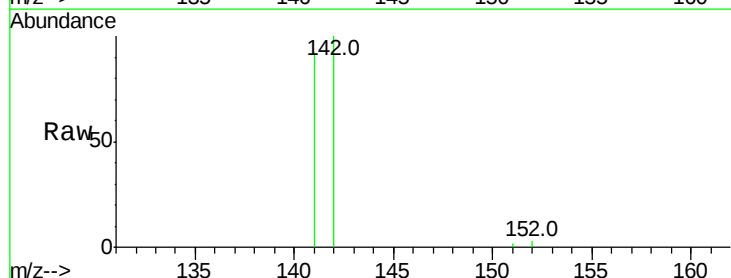
Acq: 21 Sep 2017 3:00

Tgt Ion:142 Resp: 3777

Ion Ratio Lower Upper

142 100

141 90.8 72.6 108.8

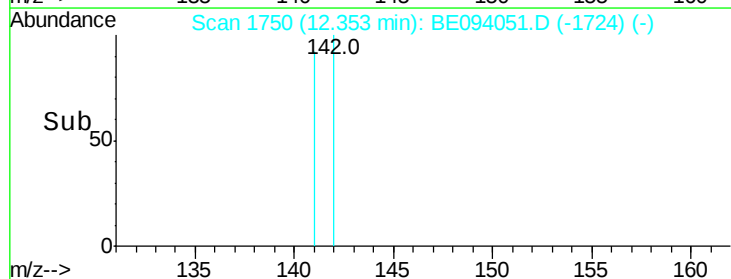


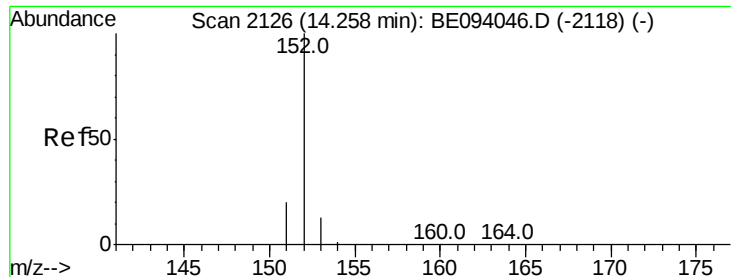
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.35

Time-->





#7

Acenaphthylene

Concen: 0.341 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

Instrument :

BNA_E

ClientSampleId :

CB3C1

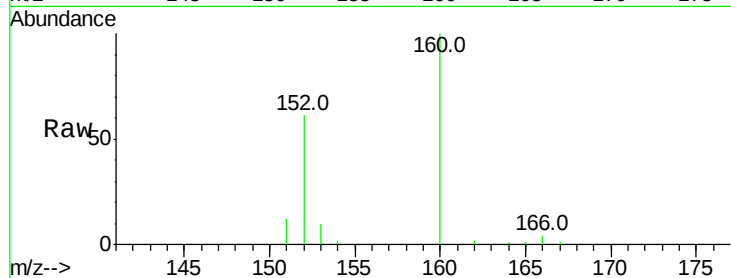
Tot Ion:152 Resp: 6785

Ion Ratio Lower Upper

152 100

151 19.8 17.1 25.7

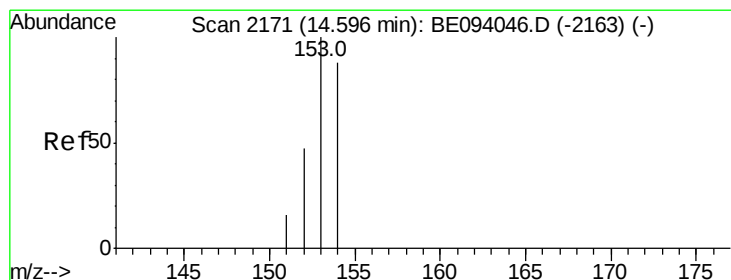
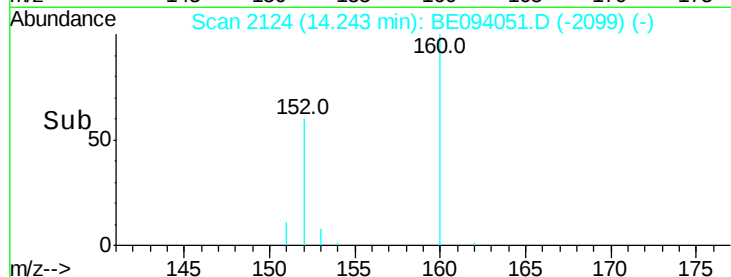
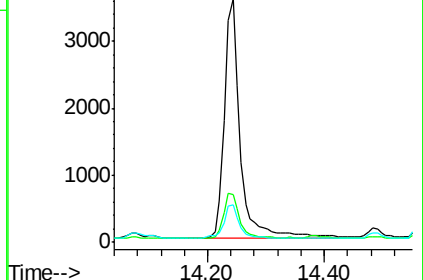
153 15.7 12.8 19.2



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: 0.540 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

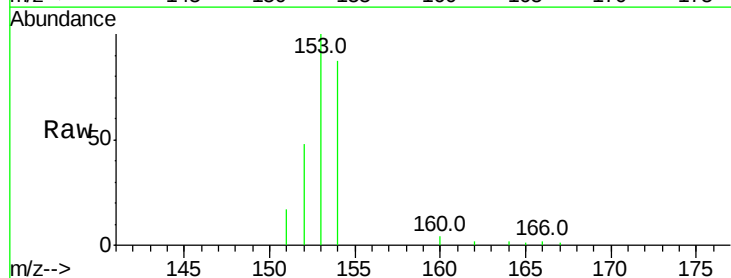
Tgt Ion:153 Resp: 8847

Ion Ratio Lower Upper

153 100

152 47.7 40.3 60.5

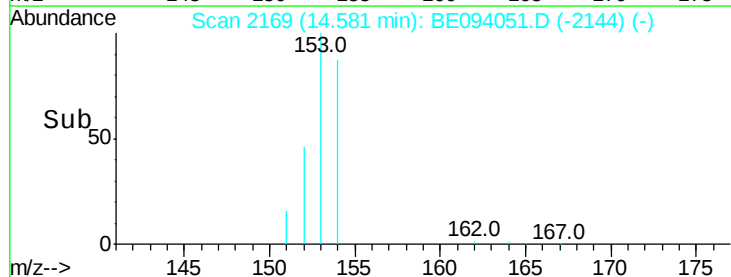
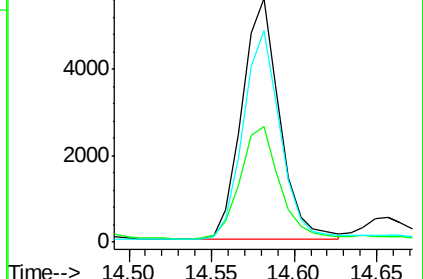
154 86.9 71.4 107.2

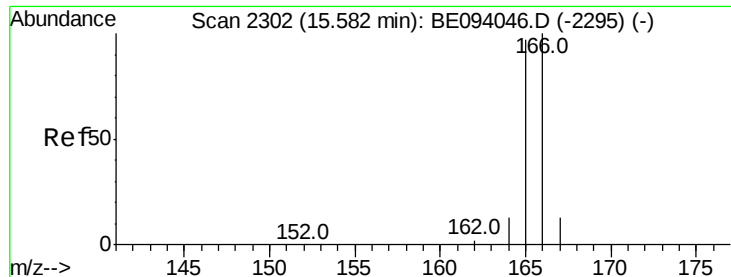


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

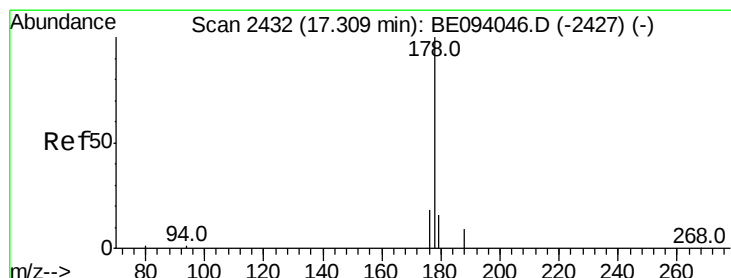
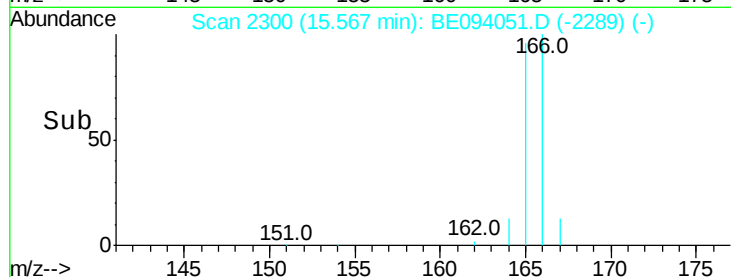
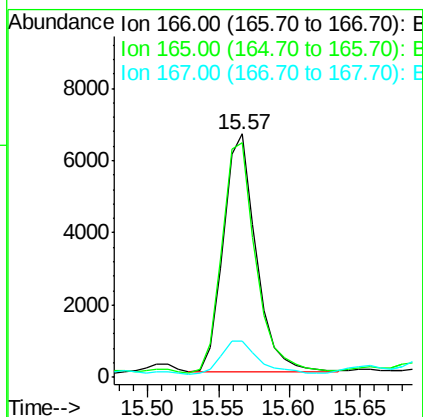
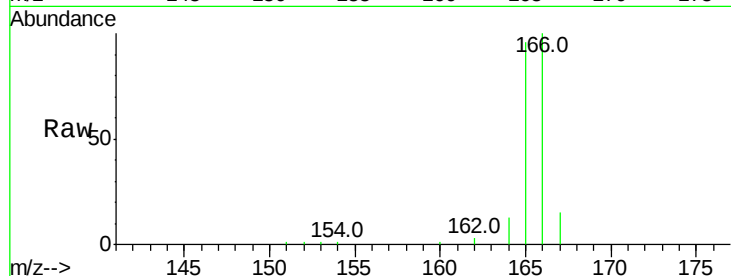




#9
Fluorene
 Concen: 0.554 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094051.D
 Acq: 21 Sep 2017 3:00

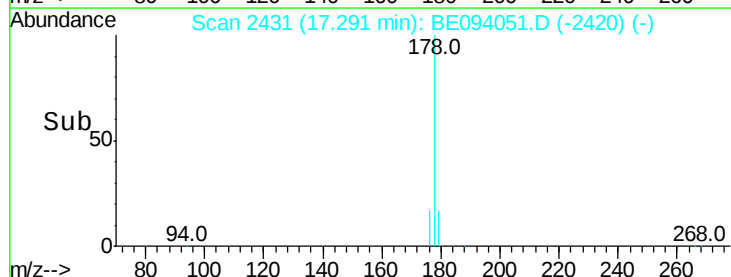
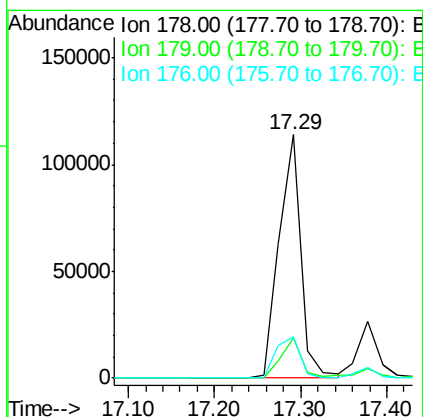
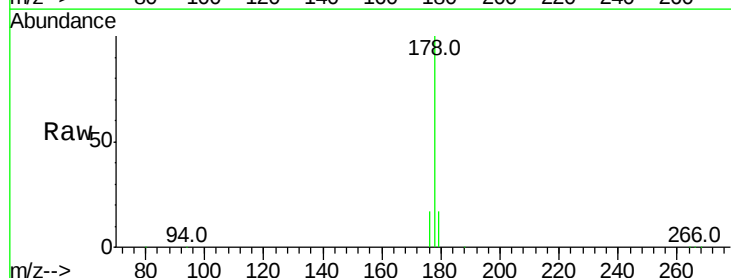
Instrument :
 BNA_E
 ClientSampleId :
 CB3C1

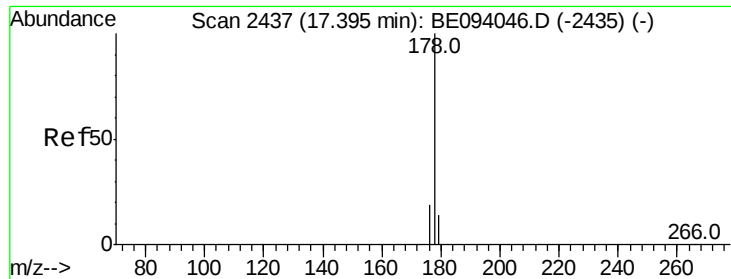
Tot Ion:166 Resp: 10627
 Ion Ratio Lower Upper
 166 100
 165 96.5 73.4 110.2
 167 14.9 14.6 22.0



#12
Phenanthrene
 Concen: 5.867 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094051.D
 Acq: 21 Sep 2017 3:00

Tgt Ion:178 Resp: 202089
 Ion Ratio Lower Upper
 178 100
 179 16.7 18.4 27.6#
 176 17.1 13.6 20.4





#13

Anthracene

Concen: 1.287 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

Instrument :

BNA_E

ClientSampleId :

CB3C1

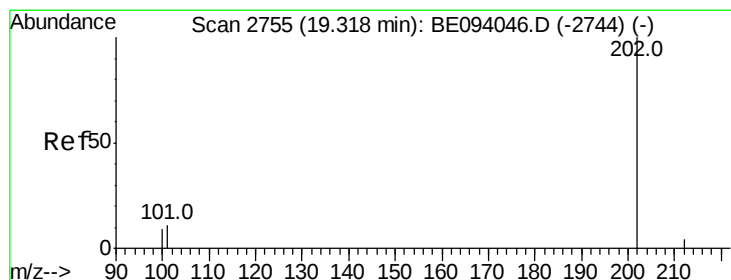
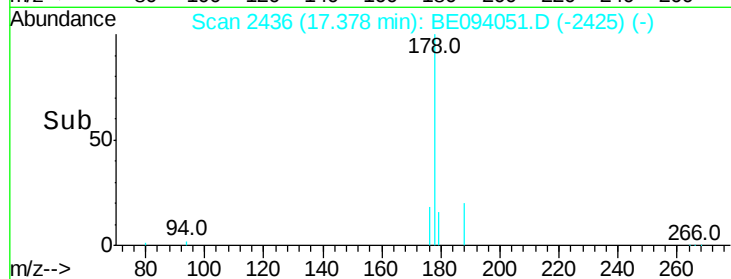
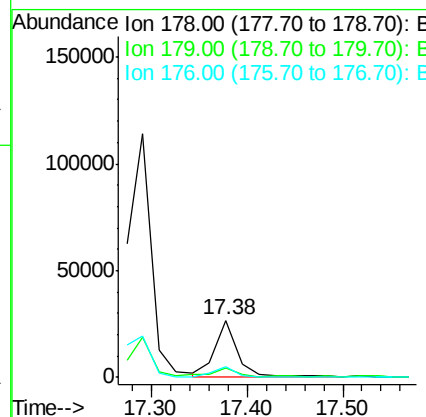
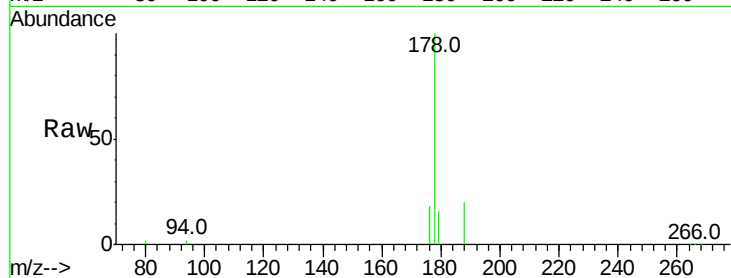
Tot Ion:178 Resp: 43113

Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

176 17.9 14.7 22.1



#15

Fluoranthene

Concen: 8.085 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

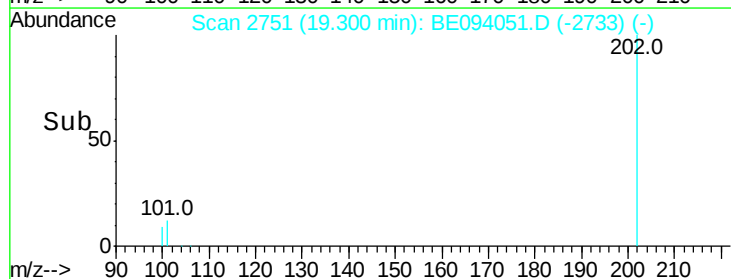
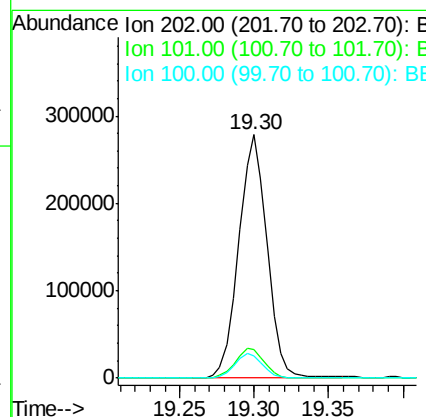
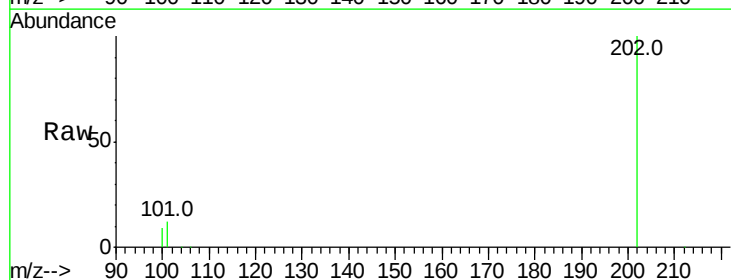
Tgt Ion:202 Resp: 365908

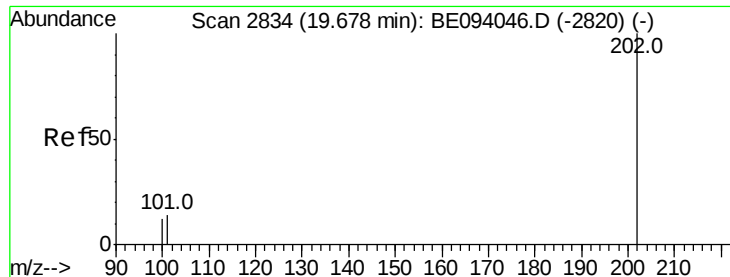
Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

100 9.1 0.0 39.5





#17

Pvrene

Concen: 8.004 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

Instrument :

BNA_E

ClientSampleId :

CB3C1

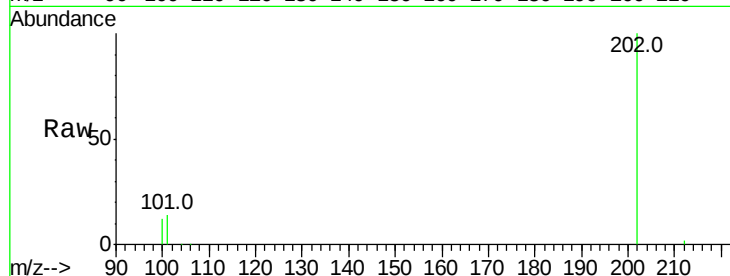
Tot Ion:202 Resp: 335512

Ion Ratio Lower Upper

202 100

101 14.3 18.2 27.4#

100 12.2 15.6 23.4#

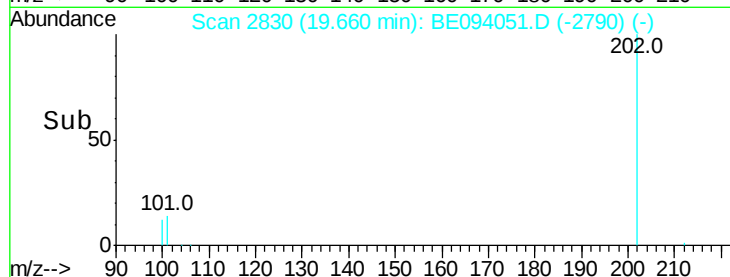


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time--> 19.60 19.70 19.80



250000

200000

150000

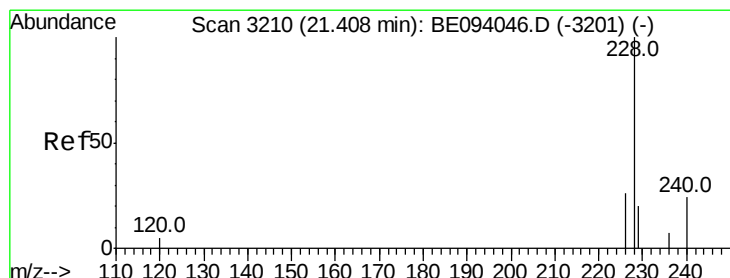
100000

50000

0

19.66

19.60 19.70 19.80



#18

Benzo(a)anthracene

Concen: 4.516 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.02 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

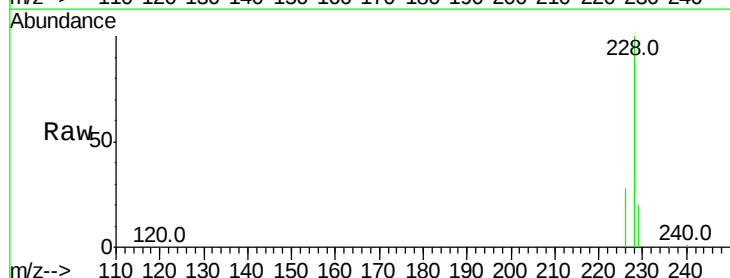
Tgt Ion:228 Resp: 180478

Ion Ratio Lower Upper

228 100

229 20.3 22.8 34.2#

226 27.9 17.0 25.6#

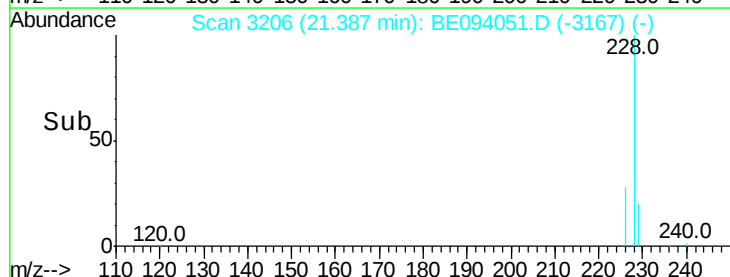


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time--> 21.35 21.40



150000

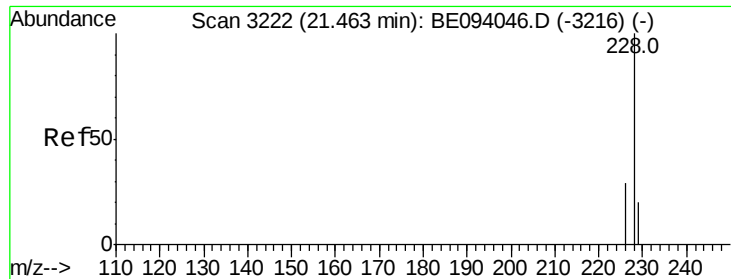
100000

50000

0

21.39

21.35 21.40



#19

Chrysene

Concen: 3.875 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

Instrument :

BNA_E

ClientSampleId :

CB3C1

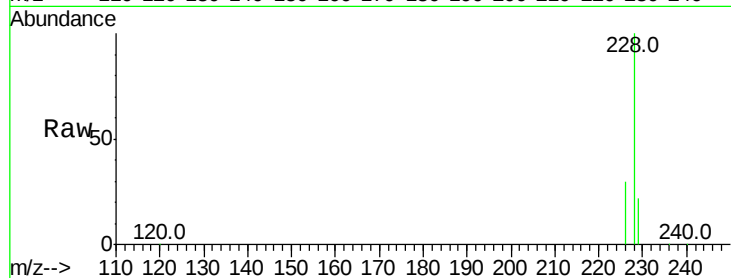
Tot Ion:228 Resp: 178859

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.0

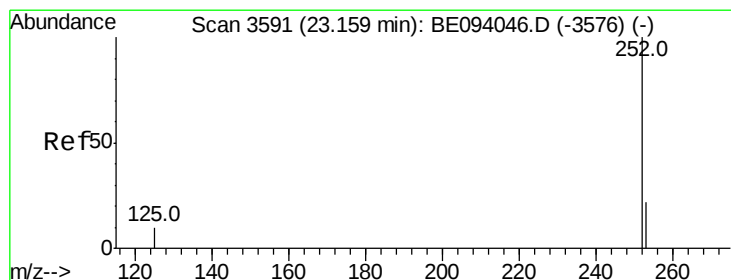
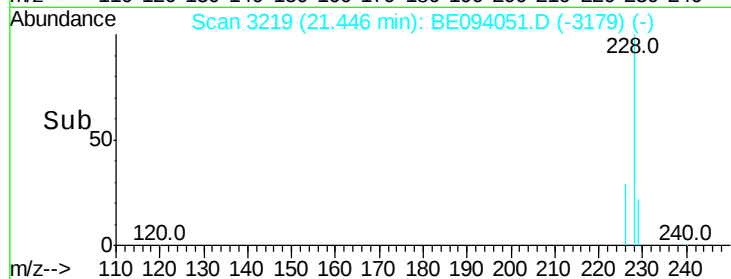
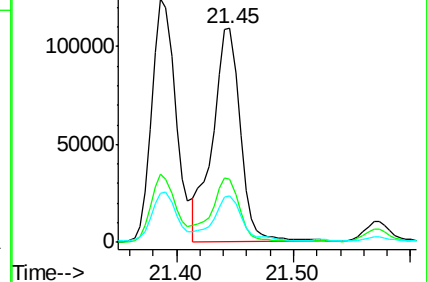
229 22.0 17.7 26.5



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: 7.004 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

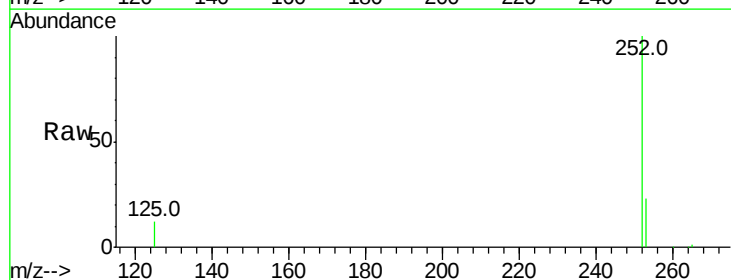
Tgt Ion:252 Resp: 293206

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

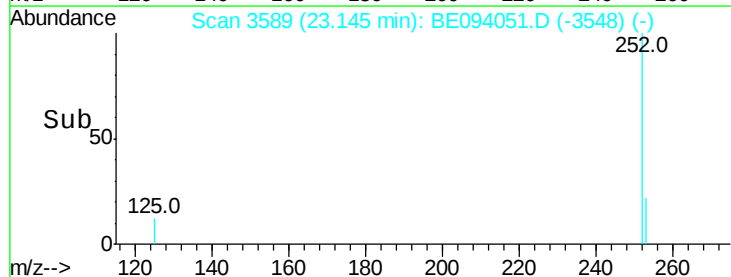
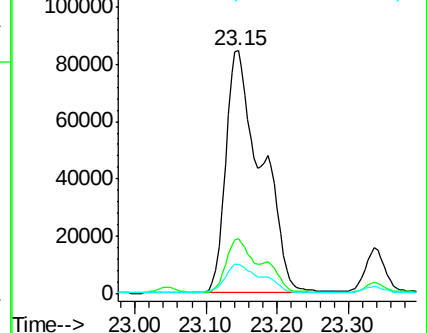
125 12.4 0.0 35.0

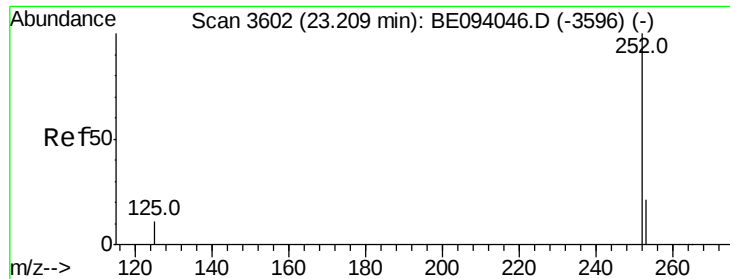


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 6.059 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.06 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

Instrument :

BNA_E

ClientSampleId :

CB3C1

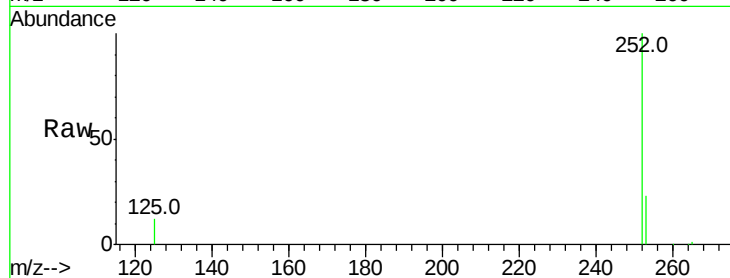
Tot Ion:252 Resp: 293206

Ion Ratio Lower Upper

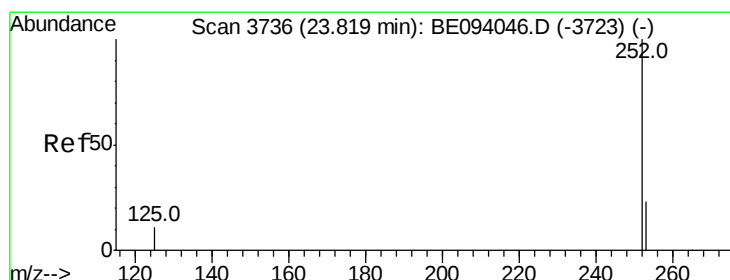
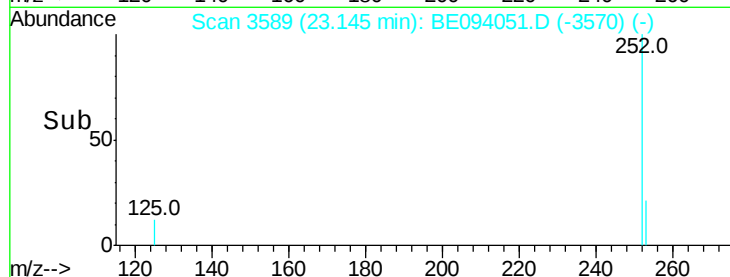
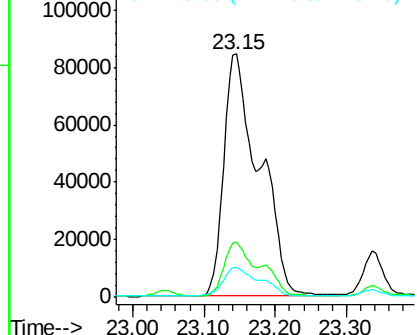
252 100

253 22.8 24.5 36.7#

125 12.4 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: 3.475 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BE094051.D

Acq: 21 Sep 2017 3:00

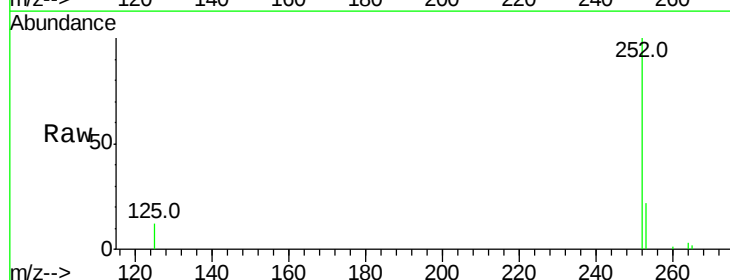
Tgt Ion:252 Resp: 151165

Ion Ratio Lower Upper

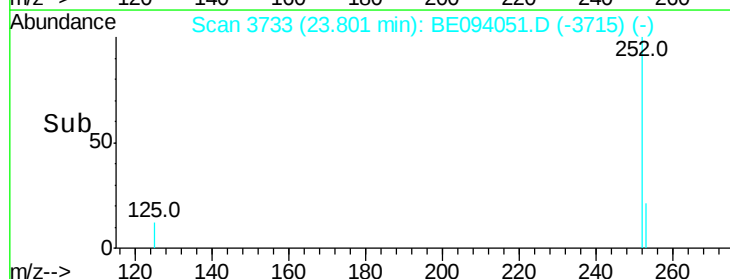
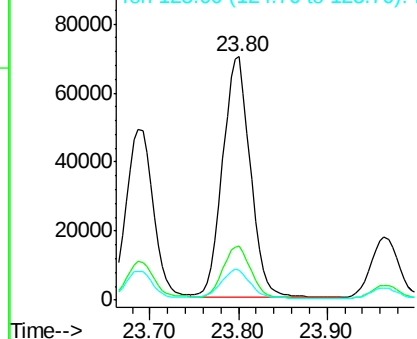
252 100

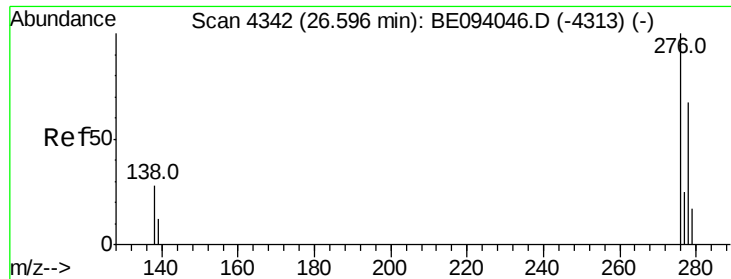
253 22.4 28.5 42.7#

125 12.5 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



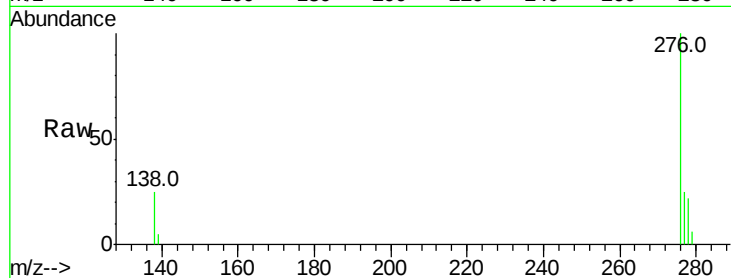


#24

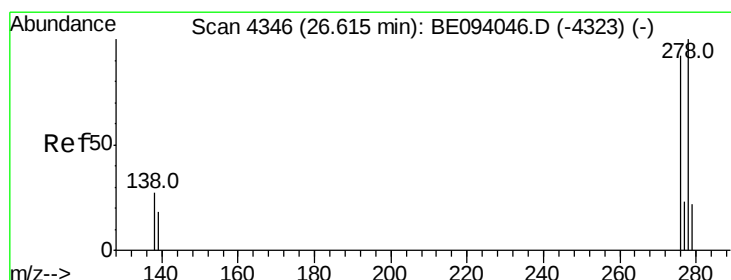
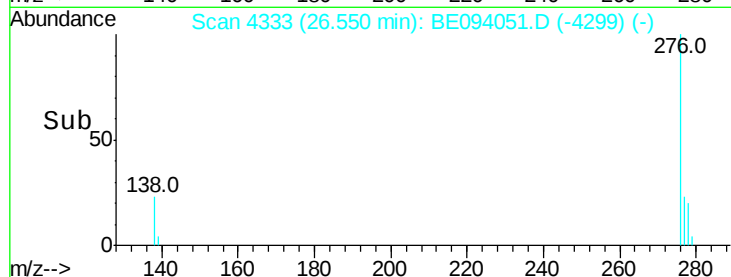
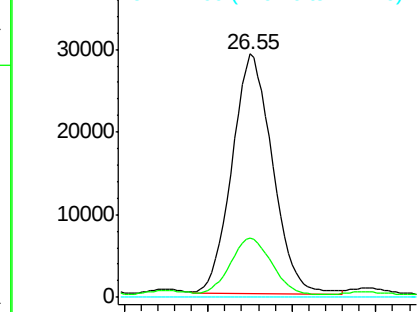
Indeno(1,2,3-cd)pyrene
Concen: 2.172 ng/ul
RT: 26.55 min Scan# 4333
Delta R.T. -0.05 min
Lab File: BE094051.D
Acq: 21 Sep 2017 3:00

Instrument :
BNA_E
ClientSampleId :
CB3C1

Tot Ion:276 Resp: 96670
Ion Ratio Lower Upper
276 100
138 24.0 28.0 42.0#
227 0.0 8.0 12.0#



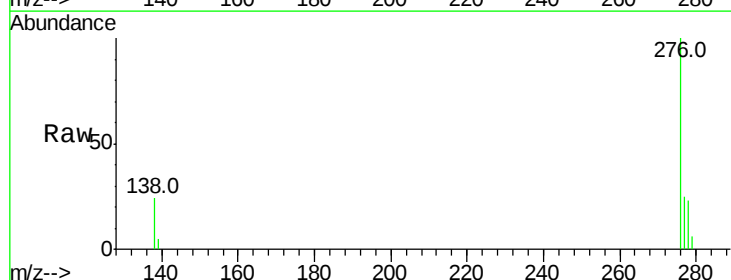
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



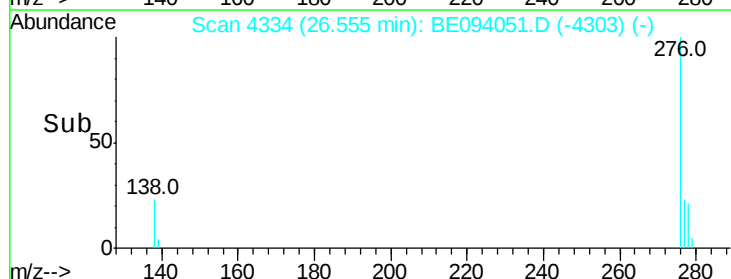
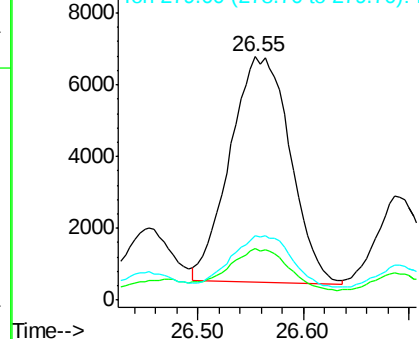
#25

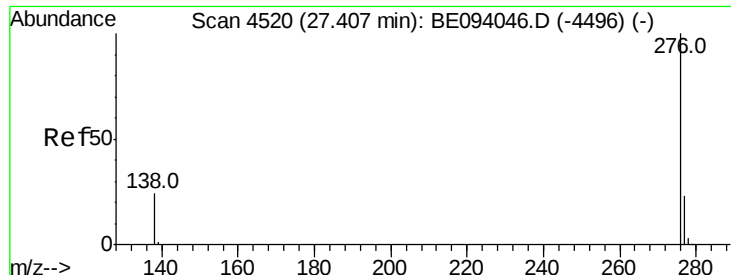
Dibenzo(a,h)anthracene
Concen: 0.666 ng/ul
RT: 26.55 min Scan# 4334
Delta R.T. -0.06 min
Lab File: BE094051.D
Acq: 21 Sep 2017 3:00

Tgt Ion:278 Resp: 24869
Ion Ratio Lower Upper
278 100
139 21.1 17.4 26.0
279 26.6 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: 2.457 ng/ul

RT: 27.37 min Scan# 4513

Delta R.T. -0.04 min

Lab File: BE094051.D

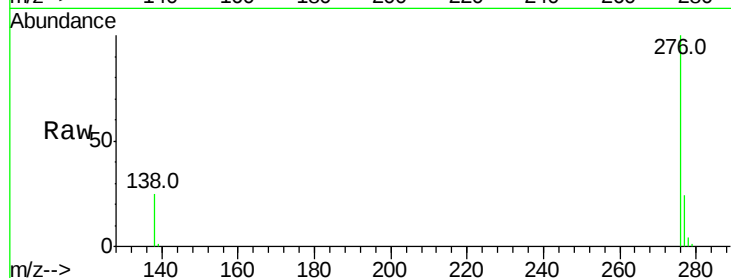
Acq: 21 Sep 2017 3:00

Instrument :

BNA_E

ClientSampleId :

CB3C1



Tot Ion: 276 Resp: 94325

Ion Ratio Lower Upper

276 100

138 24.7 21.8 32.8

277 24.5 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

