

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094048.D
 Acq On : 21 Sep 2017 1:06
 Operator : SJ/JU
 Sample : I5283-02 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3A7

Quant Time: Sep 21 07:29:33 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

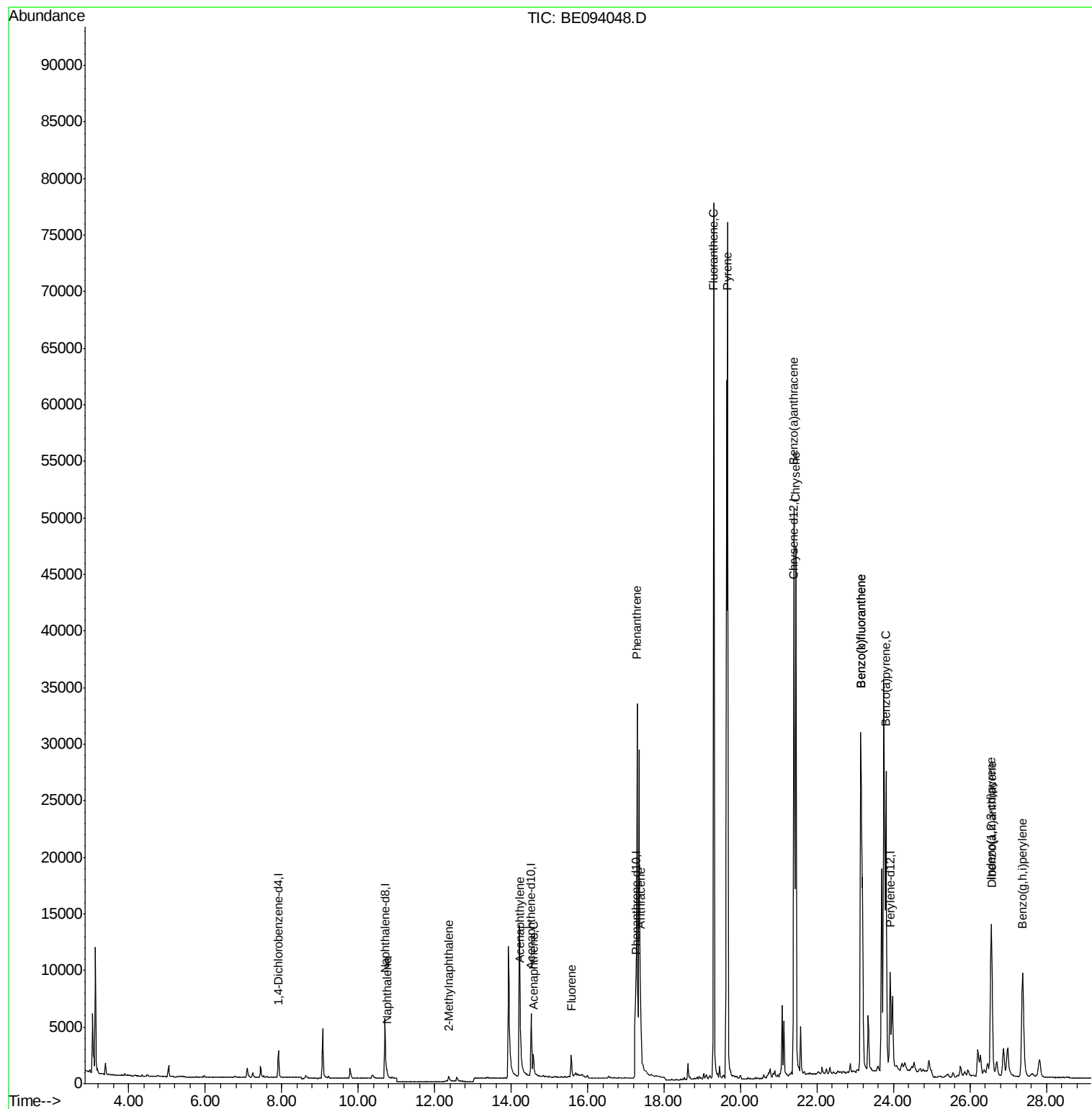
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1380	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6728	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4137	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11383	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	14884	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	14134	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	156	0.01	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	659	0.02	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	1189	0.072	ng/ul#	87
5) 2-Methylnaphthalene	12.37	142	684	0.064	ng/ul	97
7) Acenaphthylene	14.24	152	1810	0.112	ng/ul	94
8) Acenaphthene	14.58	153	1211	0.091	ng/ul	95
9) Fluorene	15.57	166	1583	0.102	ng/ul	94
12) Phenanthrene	17.29	178	41892	1.408	ng/ul#	90
13) Anthracene	17.38	178	8490	0.293	ng/ul#	91
15) Fluoranthene	19.30	202	91854	2.350	ng/ul	84
17) Pyrene	19.66	202	85202	2.057	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	45708	1.158	ng/ul#	86
19) Chrysene	21.45	228	49377	1.083	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	82187	2.141	ng/ul	85
22) Benzo(k)fluoranthene	23.15	252	82165	1.851	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	40237	1.009	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.56	276	25677	0.629	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	6521	0.190	ng/ul	94
26) Benzo(a,h,i)perylene	27.38	276	23762	0.675	ng/ul	98

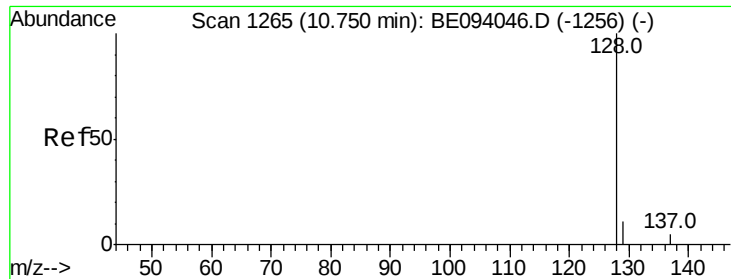
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.072 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

Instrument :

BNA_E

ClientSampleId :

CB3A7

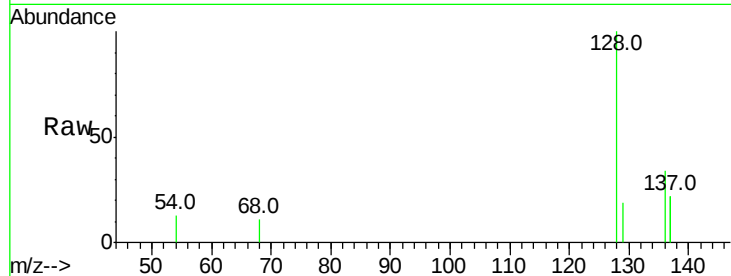
Tot Ion:128 Resp: 1189

Ion Ratio Lower Upper

128 100

129 19.2 11.3 16.9#

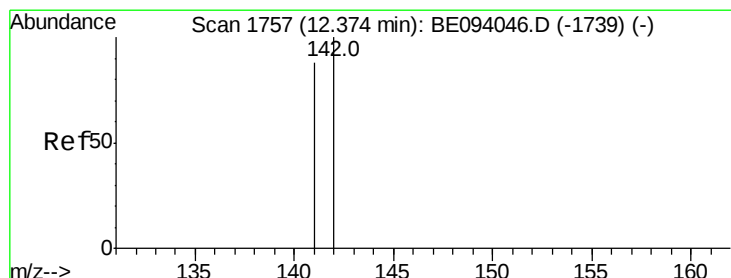
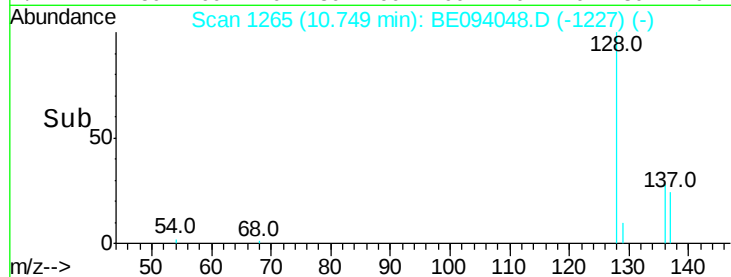
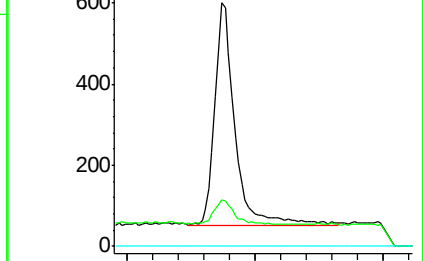
127 0.0 4.0 6.0#



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: 0.064 ng/ul

RT: 12.37 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BE094048.D

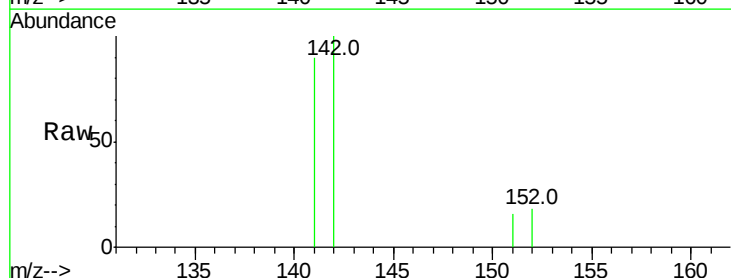
Acq: 21 Sep 2017 1:06

Tgt Ion:142 Resp: 684

Ion Ratio Lower Upper

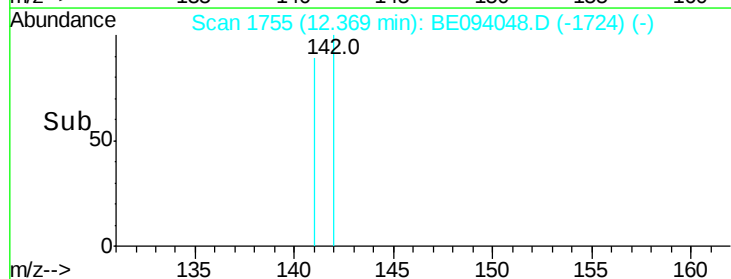
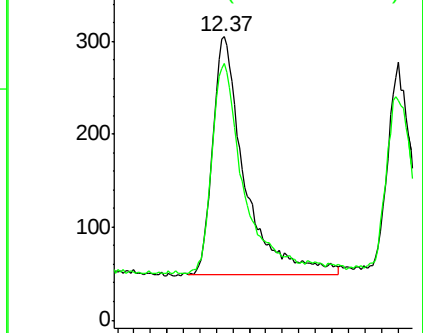
142 100

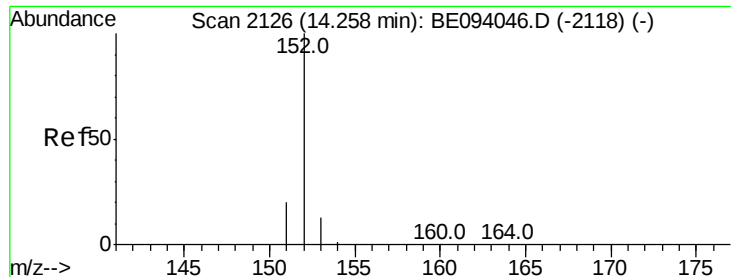
141 88.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.112 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

Instrument :

BNA_E

ClientSampleId :

CB3A7

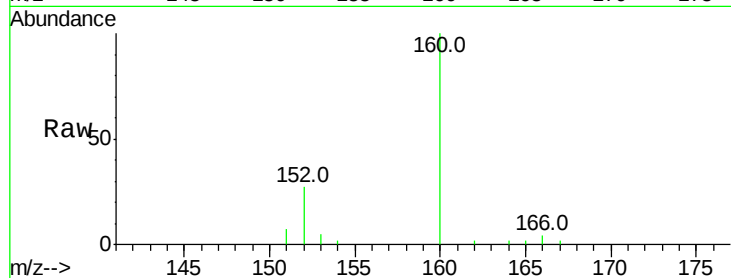
Tot Ion:152 Resp: 1810

Ion Ratio Lower Upper

152 100

151 24.4 17.1 25.7

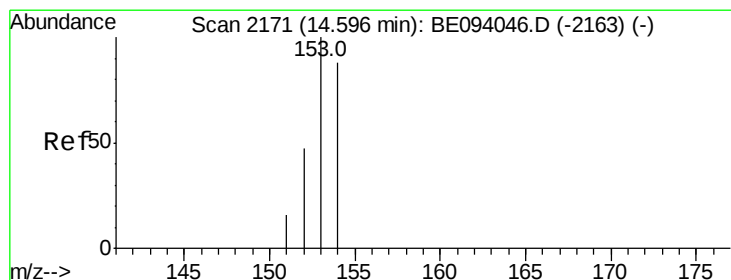
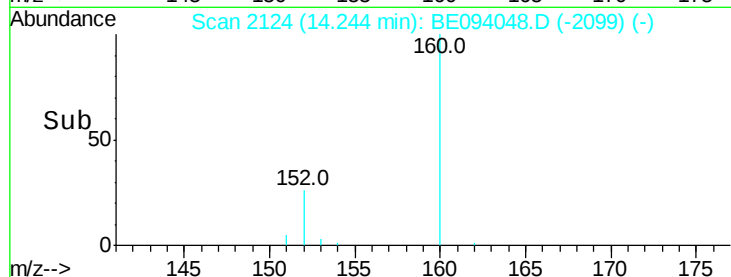
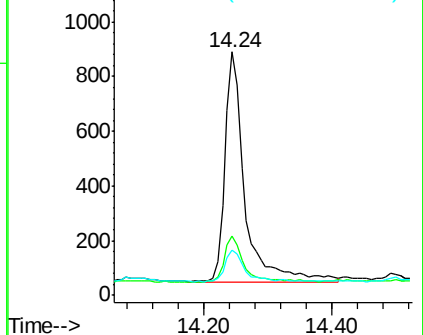
153 18.4 12.8 19.2



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: 0.091 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

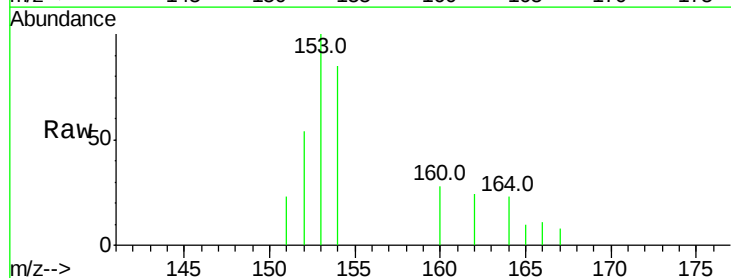
Tgt Ion:153 Resp: 1211

Ion Ratio Lower Upper

153 100

152 53.7 40.3 60.5

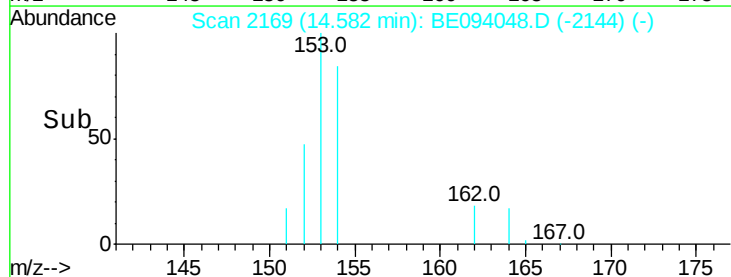
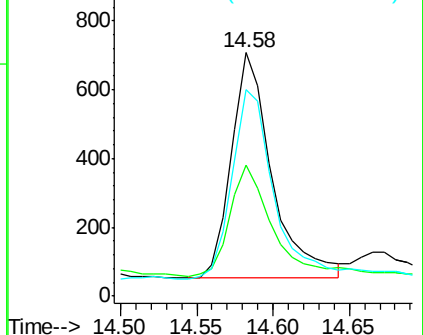
154 85.0 71.4 107.2

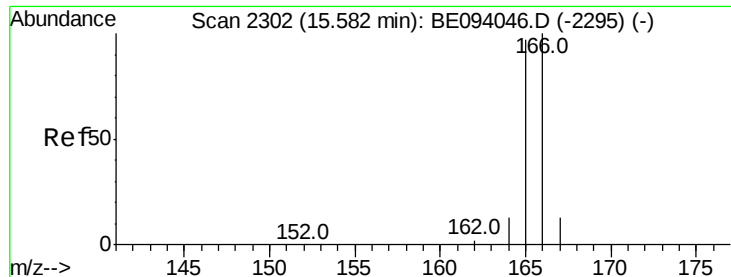


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

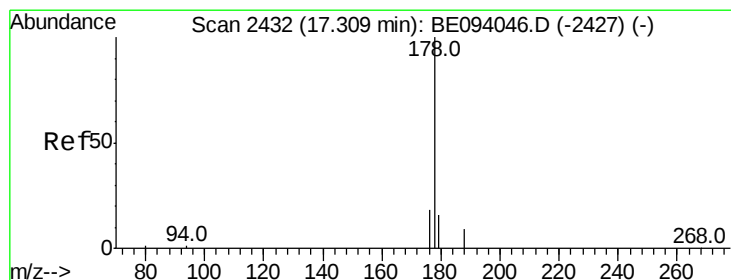
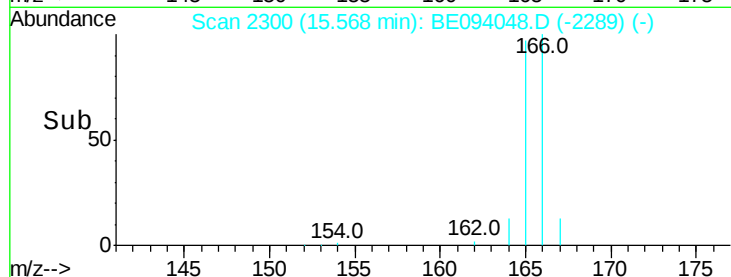
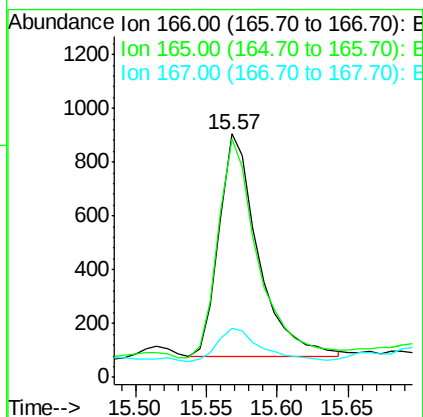
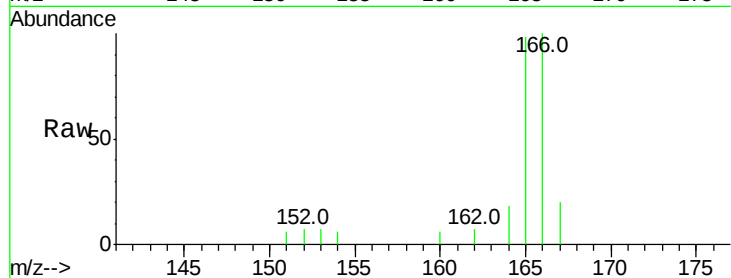




#9
Fluorene
 Concen: 0.102 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094048.D
 Acq: 21 Sep 2017 1:06

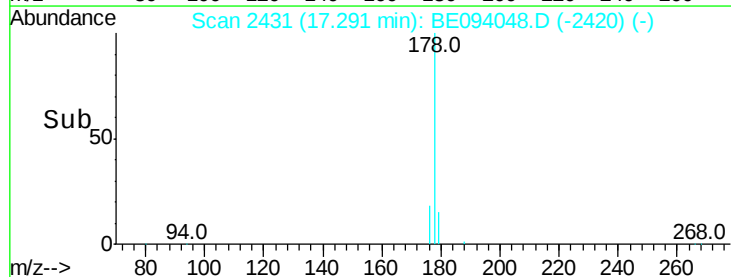
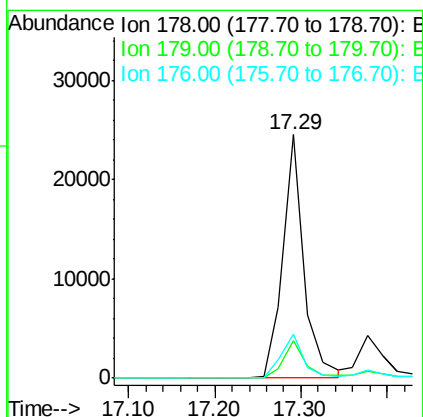
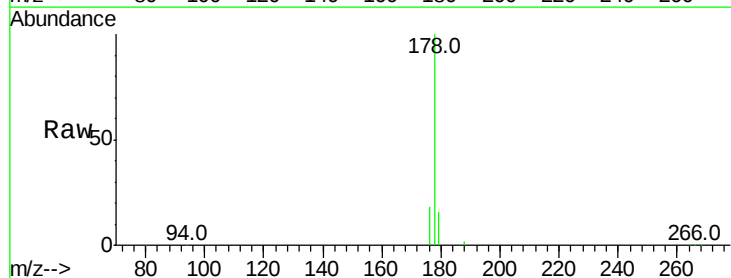
Instrument :
 BNA_E
 ClientSampleId :
 CB3A7

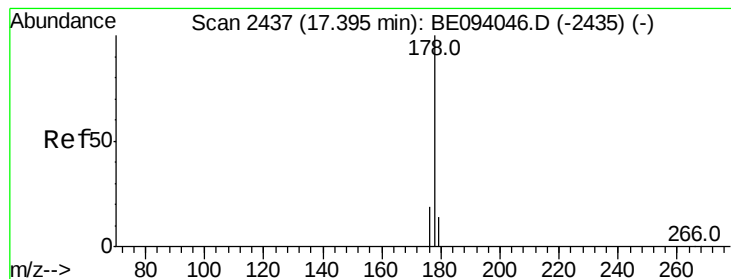
Tot Ion:166 Resp: 1583
 Ion Ratio Lower Upper
 166 100
 165 97.9 73.4 110.2
 167 20.0 14.6 22.0



#12
Phenanthrene
 Concen: 1.408 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094048.D
 Acq: 21 Sep 2017 1:06

Tgt Ion:178 Resp: 41892
 Ion Ratio Lower Upper
 178 100
 179 15.6 18.4 27.6#
 176 18.0 13.6 20.4





#13

Anthracene

Concen: 0.293 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

Instrument :

BNA_E

ClientSampleId :

CB3A7

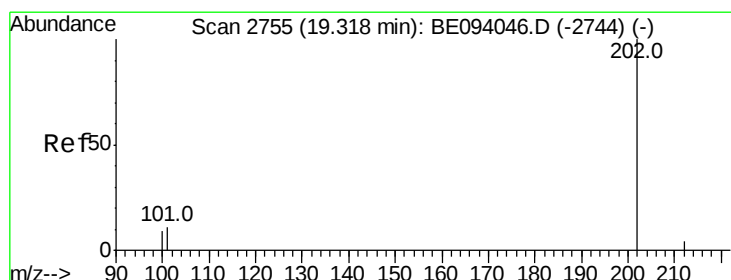
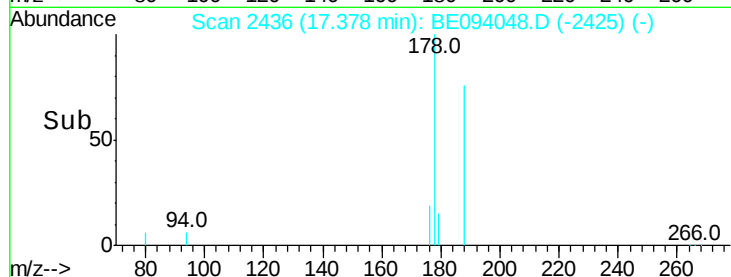
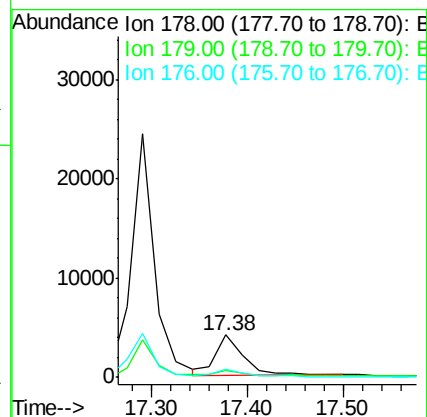
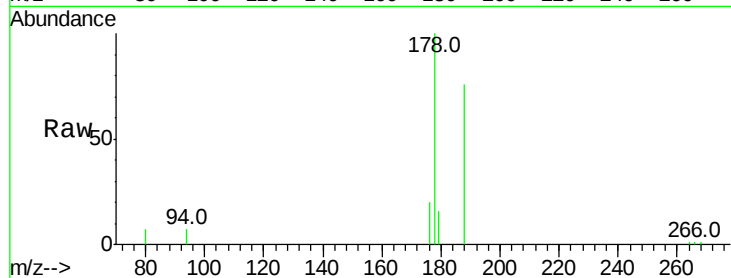
Tot Ion:178 Resp: 8490

Ion Ratio Lower Upper

178 100

179 16.3 18.1 27.1#

176 19.8 14.7 22.1



#15

Fluoranthene

Concen: 2.350 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

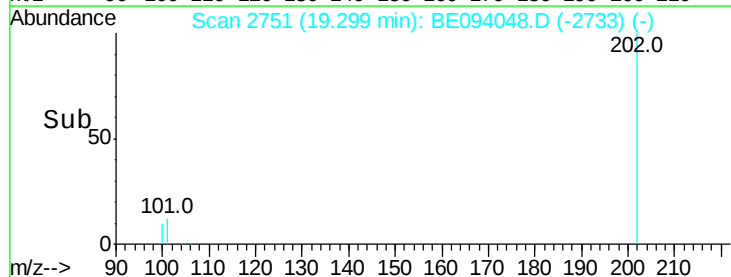
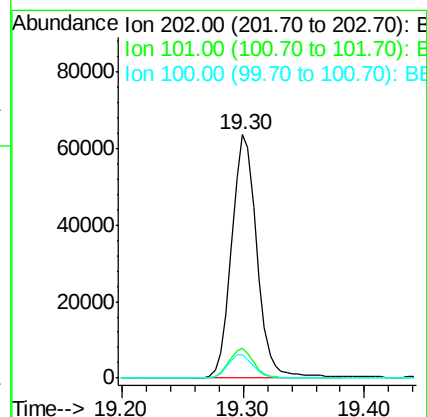
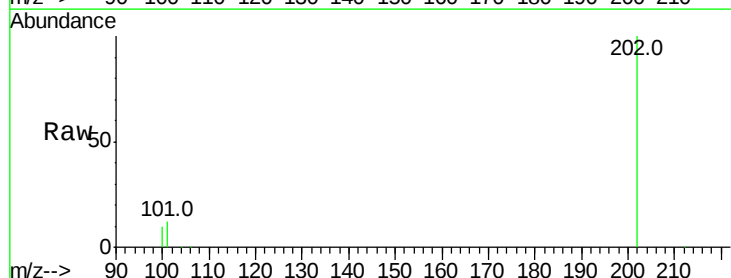
Tgt Ion:202 Resp: 91854

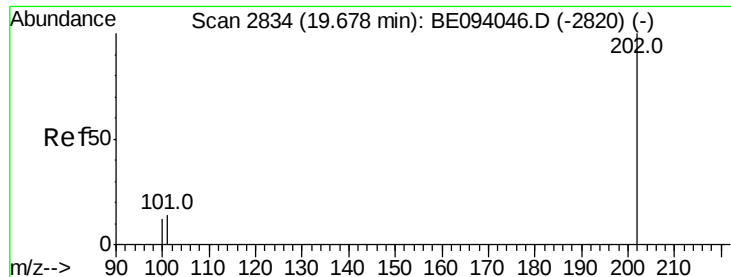
Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.3

100 9.8 0.0 39.5





#17

Pvrene

Concen: 2.057 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

Instrument :

BNA_E

ClientSampleId :

CB3A7

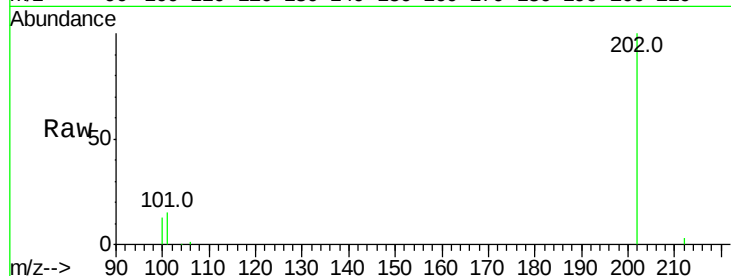
Tot Ion:202 Resp: 85202

Ion Ratio Lower Upper

202 100

101 14.7 18.2 27.4#

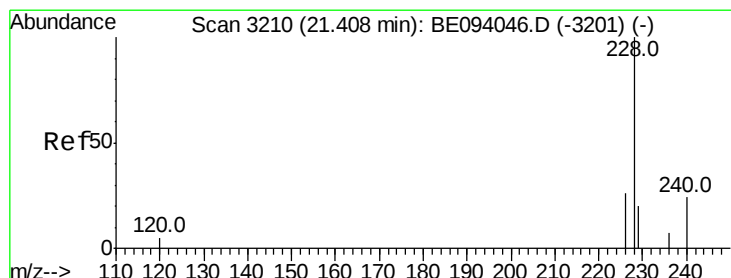
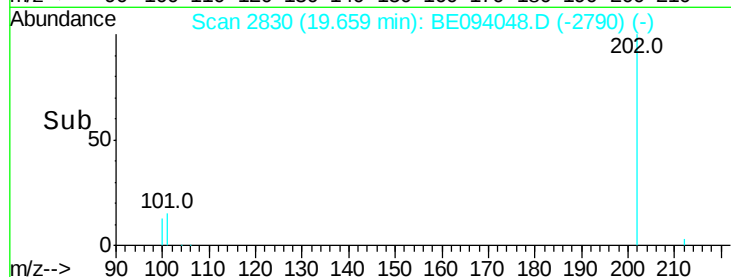
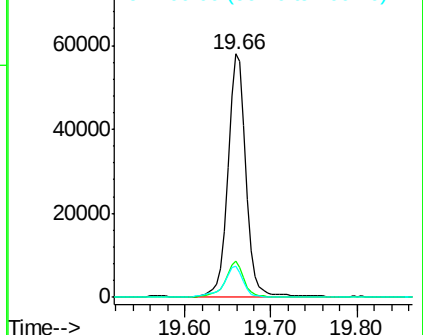
100 12.8 15.6 23.4#



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): BE



#18

Benzo(a)anthracene

Concen: 1.158 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

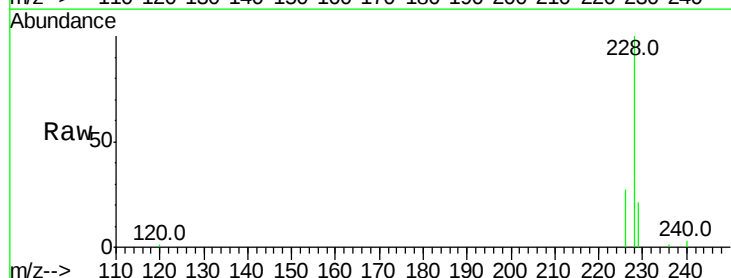
Tgt Ion:228 Resp: 45708

Ion Ratio Lower Upper

228 100

229 20.6 22.8 34.2#

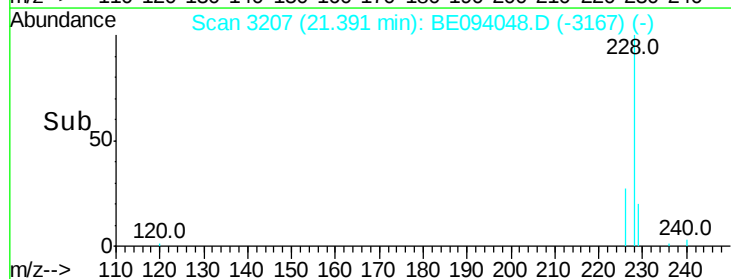
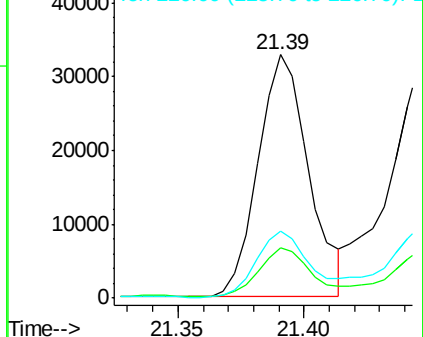
226 27.3 17.0 25.6#

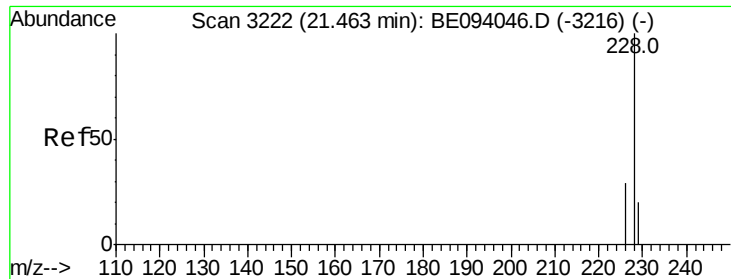


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.083 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

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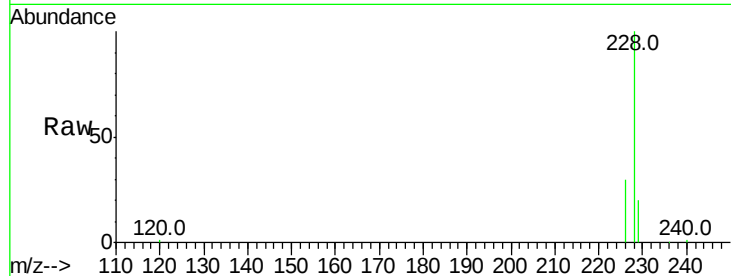
Tot Ion:228 Resp: 49377

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.0

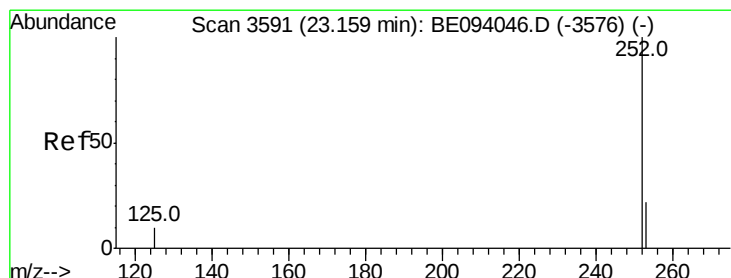
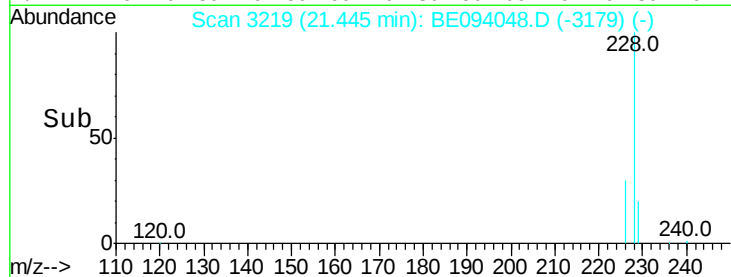
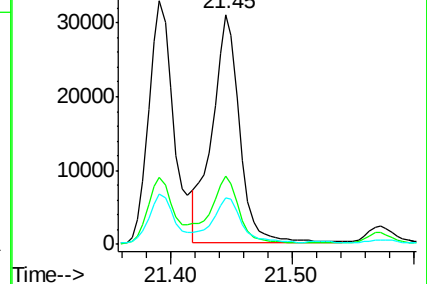
229 20.4 17.7 26.5



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: 2.141 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

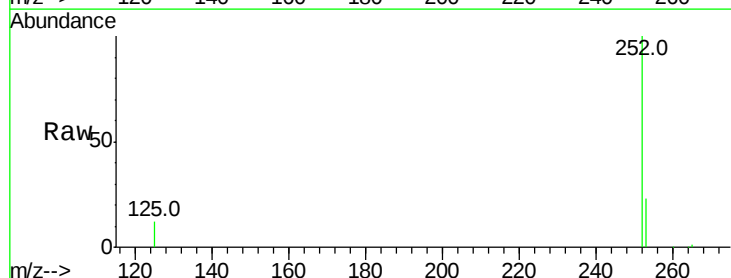
Tgt Ion:252 Resp: 82187

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

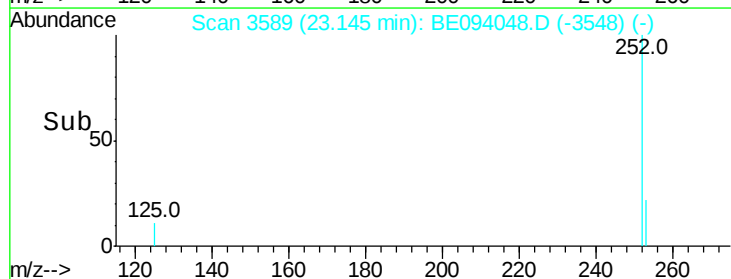
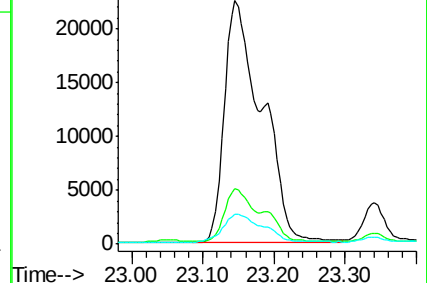
125 12.2 0.0 35.0

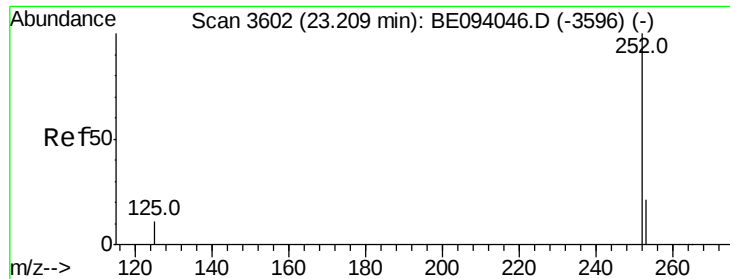


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.851 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.06 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

Instrument :

BNA_E

ClientSampleId :

CB3A7

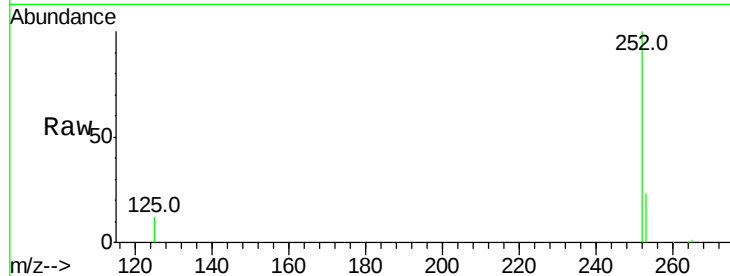
Tot Ion:252 Resp: 82165

Ion Ratio Lower Upper

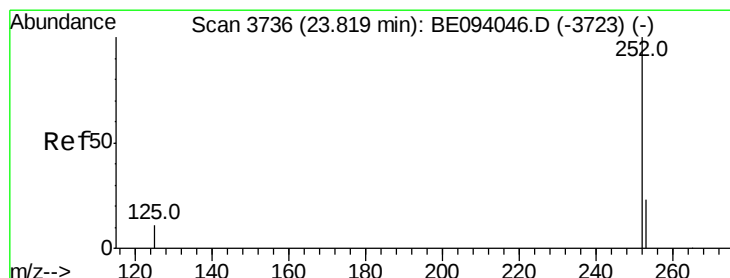
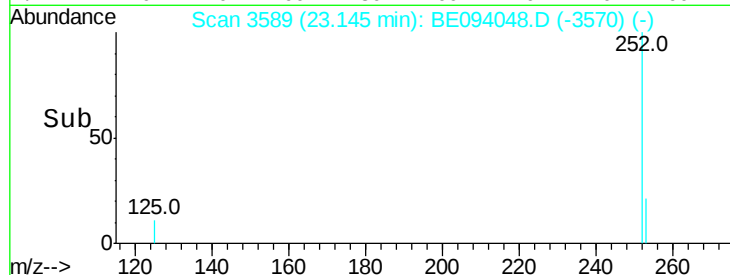
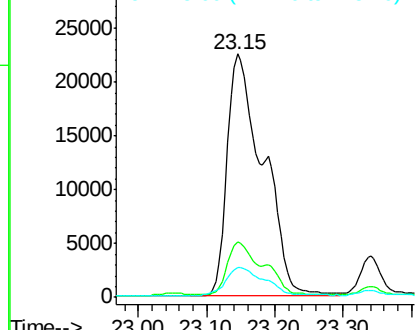
252 100

253 22.9 24.5 36.7#

125 12.2 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: 1.009 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

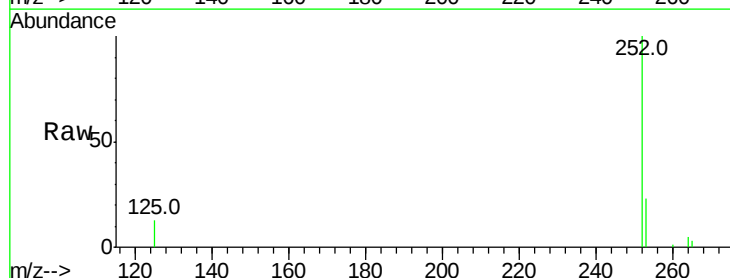
Tgt Ion:252 Resp: 40237

Ion Ratio Lower Upper

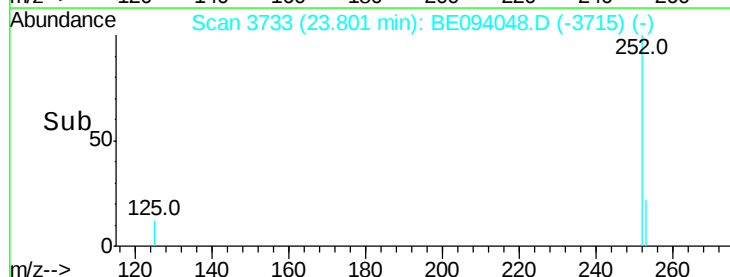
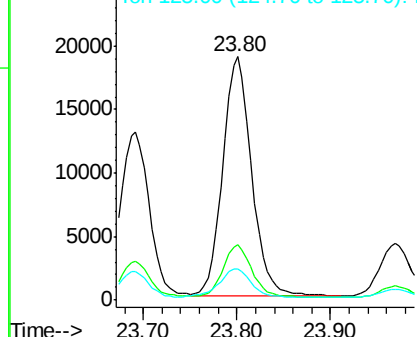
252 100

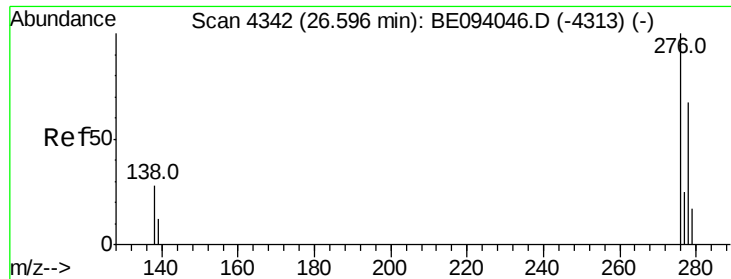
253 22.7 28.5 42.7#

125 13.0 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



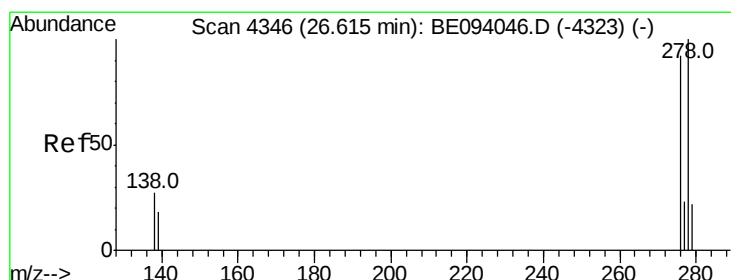
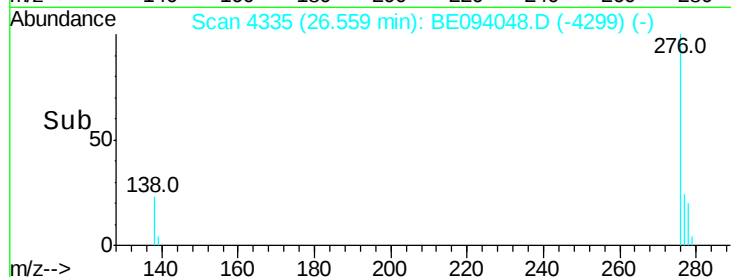
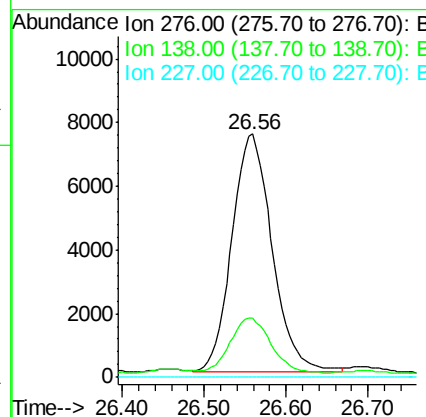
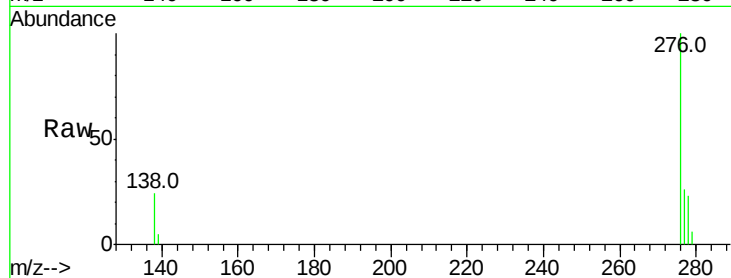


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.629 ng/ul
RT: 26.56 min Scan# 4335
Delta R.T. -0.04 min
Lab File: BE094048.D
Acq: 21 Sep 2017 1:06

Instrument :
BNA_E
ClientSampleId :
CB3A7

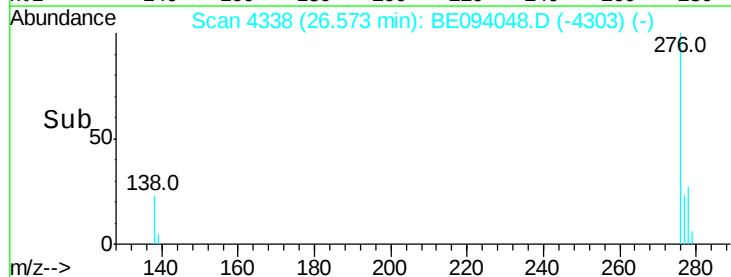
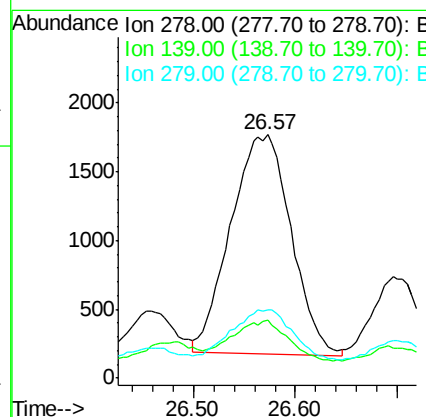
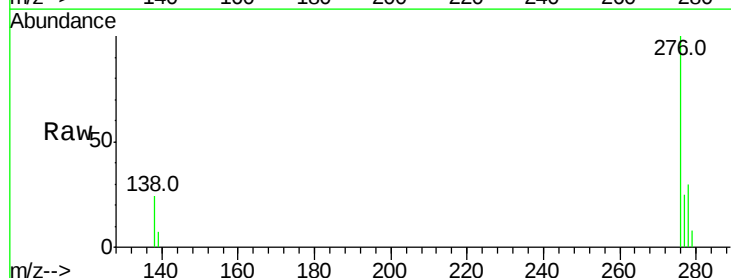
Tot Ion:276 Resp: 25677
Ion Ratio Lower Upper
276 100
138 23.7 28.0 42.0#
227 0.0 8.0 12.0#

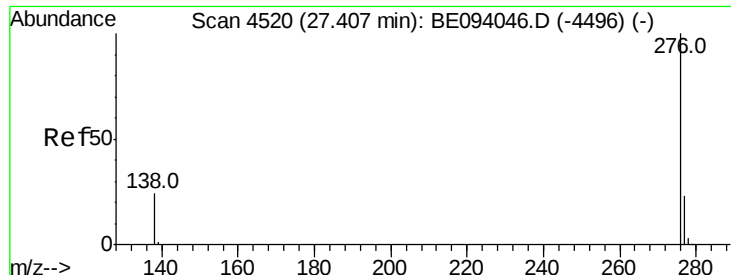


#25

Dibenzo(a,h)anthracene
Concen: 0.190 ng/ul
RT: 26.57 min Scan# 4338
Delta R.T. -0.04 min
Lab File: BE094048.D
Acq: 21 Sep 2017 1:06

Tgt Ion:278 Resp: 6521
Ion Ratio Lower Upper
278 100
139 23.6 17.4 26.0
279 27.9 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.675 ng/ul

RT: 27.38 min Scan# 4515

Delta R.T. -0.03 min

Lab File: BE094048.D

Acq: 21 Sep 2017 1:06

Instrument :

BNA_E

ClientSampleId :

CB3A7

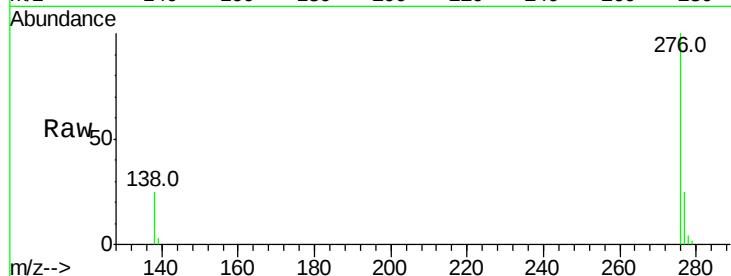
Tot Ion:276 Resp: 23762

Ion Ratio Lower Upper

276 100

138 25.2 21.8 32.8

277 25.3 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

