

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094052.D
 Acq On : 21 Sep 2017 3:36
 Operator : SJ/JU
 Sample : I5283-19 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3C2

Quant Time: Sep 21 07:30:14 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	1643	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	8564	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5764	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	14637	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	16814	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	17108	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	878	0.07	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	3115	0.06	ng/ul	-0.02

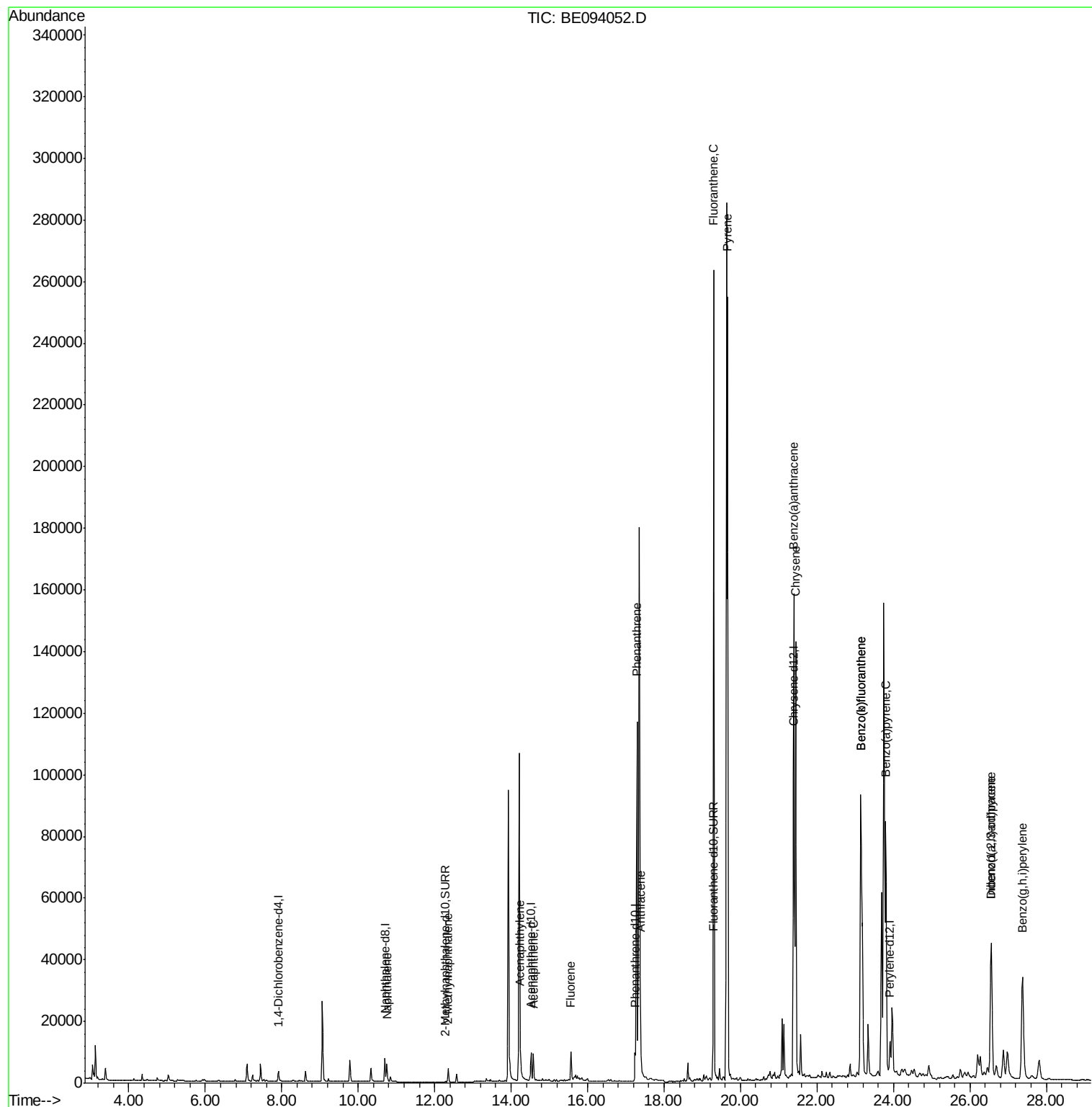
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.75	128	9081	0.433	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	4427	0.325	ng/ul	98
7) Acenaphthylene	14.24	152	6840	0.304	ng/ul	98
8) Acenaphthene	14.58	153	5461	0.295	ng/ul	99
9) Fluorene	15.57	166	6683	0.308	ng/ul	95
12) Phenanthrene	17.29	178	157489	4.117	ng/ul#	92
13) Anthracene	17.38	178	34249	0.921	ng/ul#	92
15) Fluoranthene	19.30	202	294834	5.866	ng/ul	84
17) Pyrene	19.66	202	278136	5.945	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	145353	3.259	ng/ul#	87
19) Chrysene	21.44	228	149814	2.908	ng/ul	99
21) Benzo(b)fluoranthene	23.14	252	239930	5.163	ng/ul	85
22) Benzo(k)fluoranthene	23.14	252	239930	4.466	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	125318	2.595	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.56	276	80063	1.621	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.56	278	21261	0.513	ng/ul	95
26) Benzo(a,h,i)perylene	27.38	276	82433	1.935	ng/ul	97

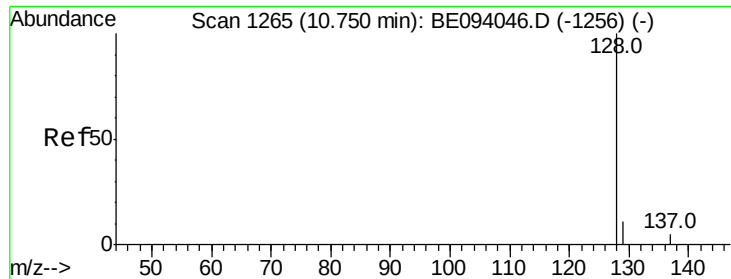
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.433 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

Instrument :

BNA_E

ClientSampleId :

CB3C2

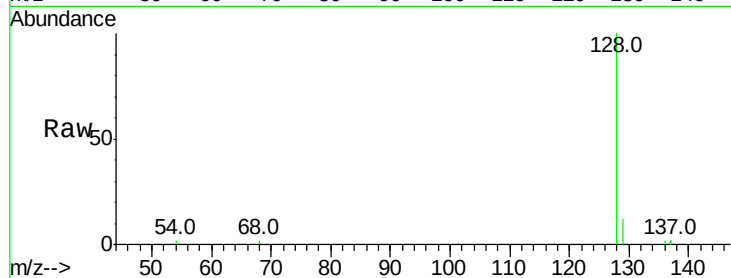
Tot Ion:128 Resp: 9081

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

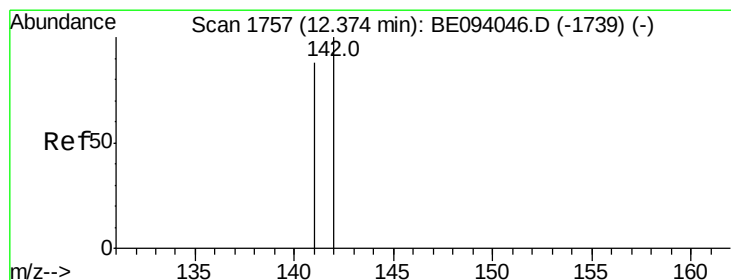
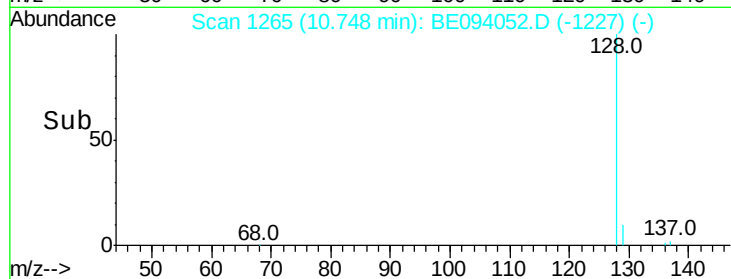
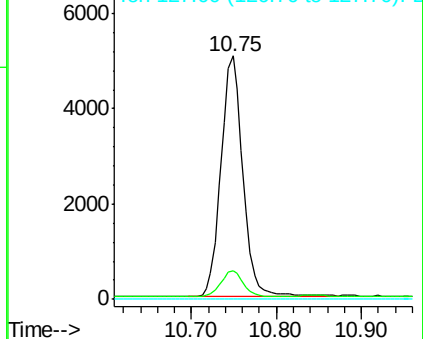
127 0.0 4.0 6.0#



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: 0.325 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.02 min

Lab File: BE094052.D

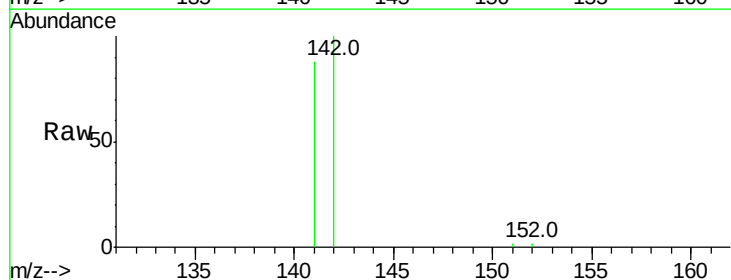
Acq: 21 Sep 2017 3:36

Tgt Ion:142 Resp: 4427

Ion Ratio Lower Upper

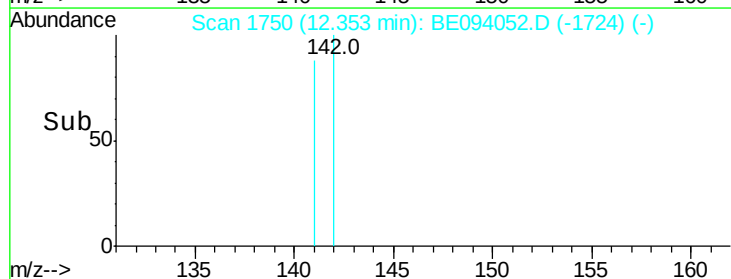
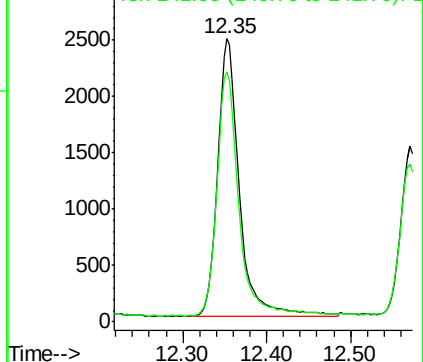
142 100

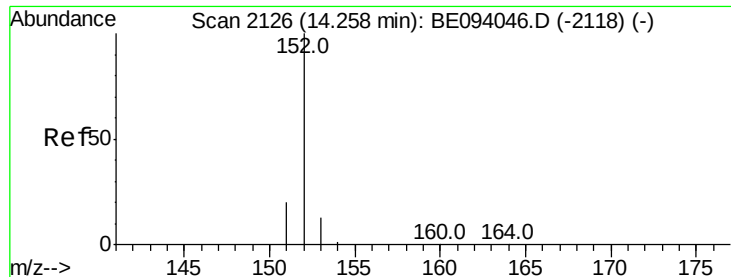
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.304 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

Instrument :

BNA_E

ClientSampleId :

CB3C2

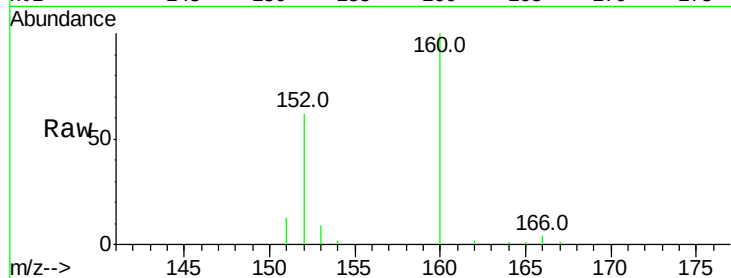
Tot Ion:152 Resp: 6840

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

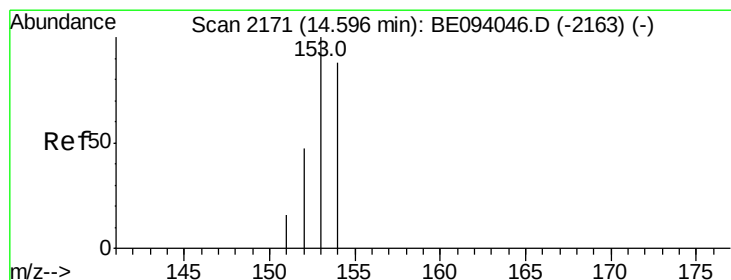
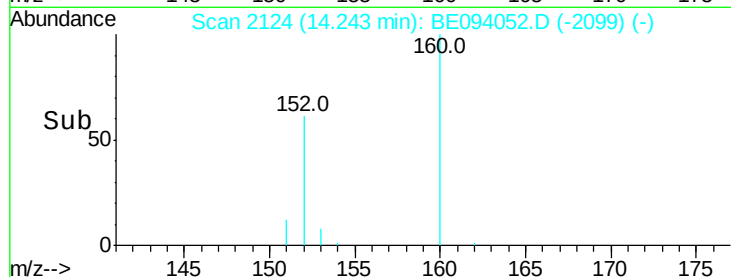
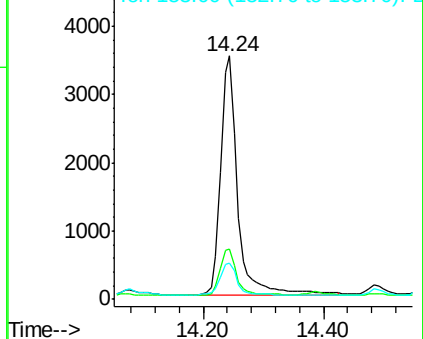
153 15.1 12.8 19.2



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: 0.295 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

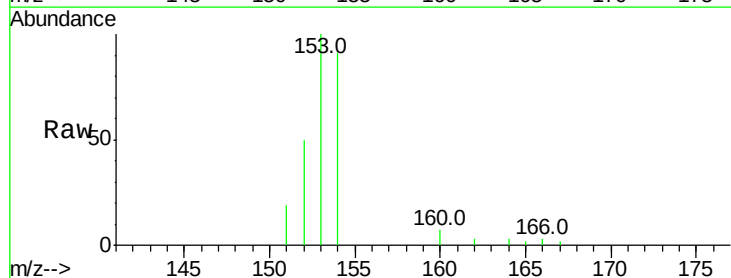
Tgt Ion:153 Resp: 5461

Ion Ratio Lower Upper

153 100

152 49.9 40.3 60.5

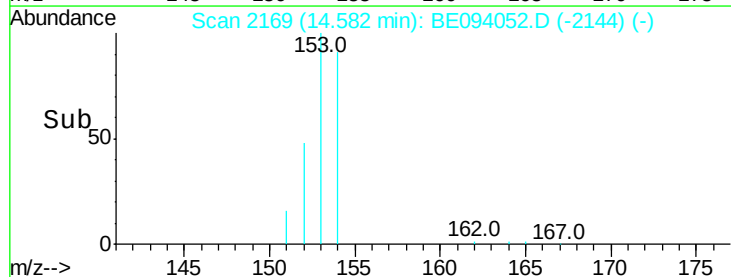
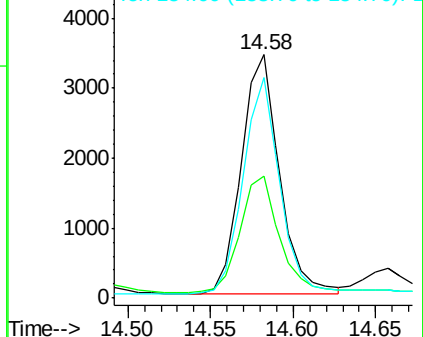
154 90.7 71.4 107.2

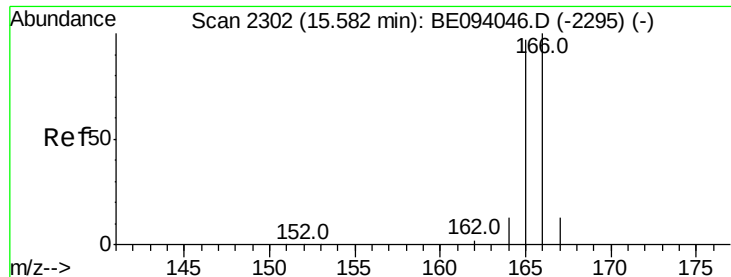


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

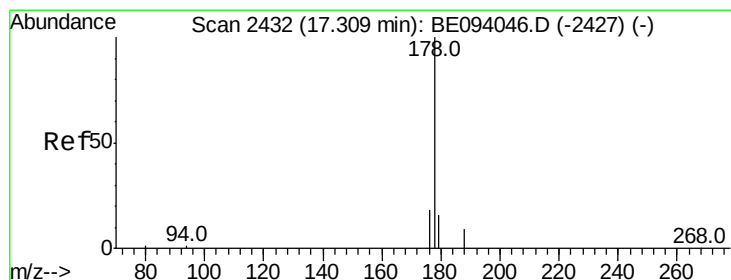
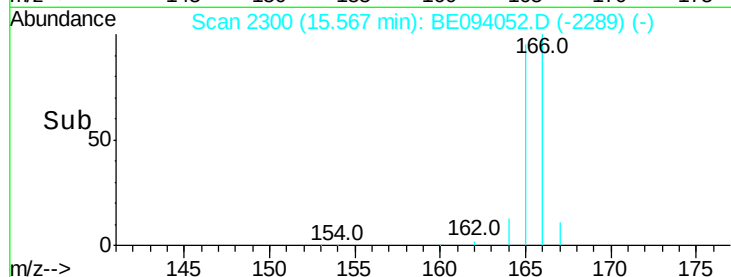
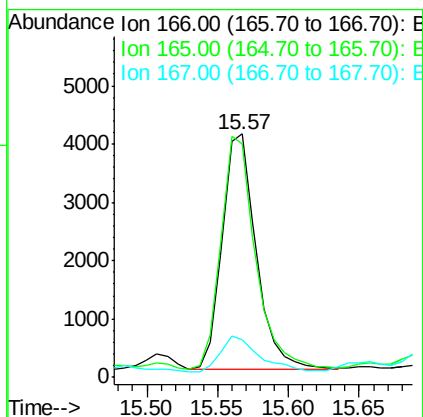
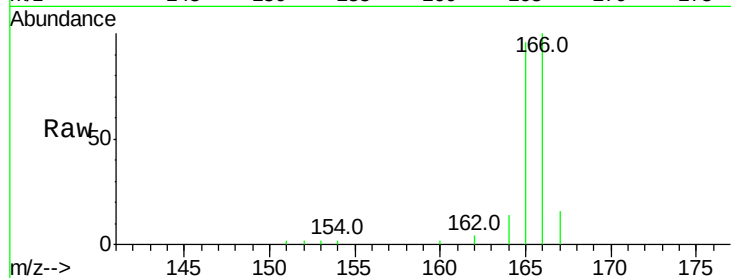




#9
Fluorene
 Concen: 0.308 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094052.D
 Acq: 21 Sep 2017 3:36

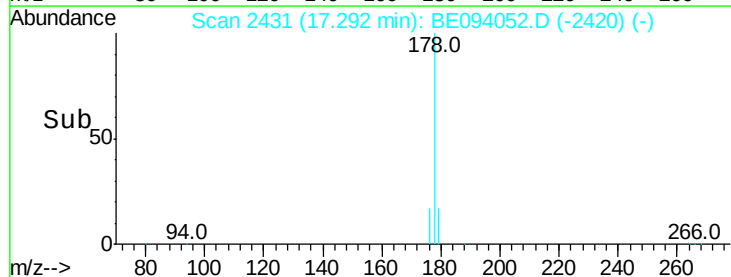
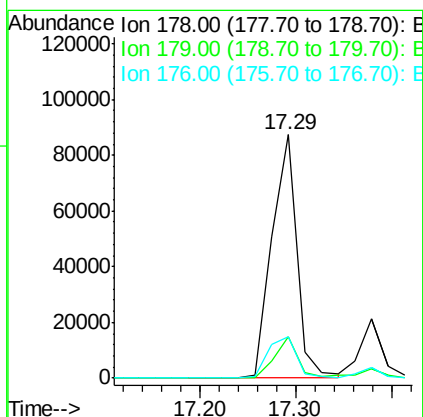
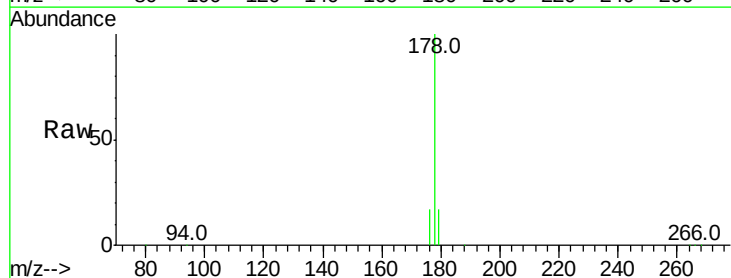
Instrument :
 BNA_E
 ClientSampled :
 CB3C2

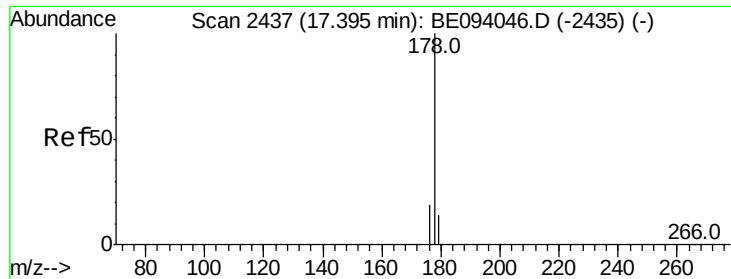
Tot Ion:166 Resp: 6683
 Ion Ratio Lower Upper
 166 100
 165 95.9 73.4 110.2
 167 15.6 14.6 22.0



#12
Phenanthrene
 Concen: 4.117 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094052.D
 Acq: 21 Sep 2017 3:36

Tgt Ion:178 Resp: 157489
 Ion Ratio Lower Upper
 178 100
 179 16.8 18.4 27.6#
 176 16.8 13.6 20.4





#13

Anthracene

Concen: 0.921 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

Instrument :

BNA_E

ClientSampleId :

CB3C2

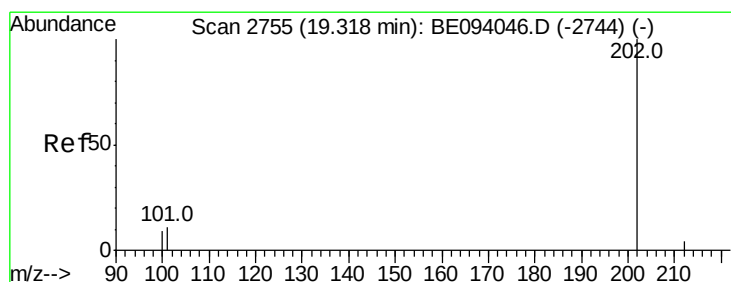
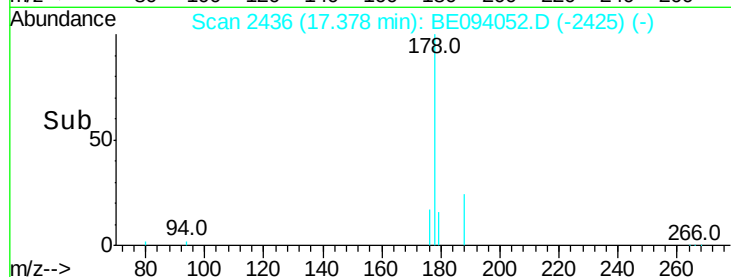
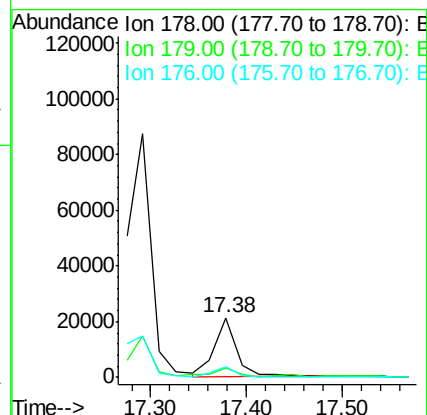
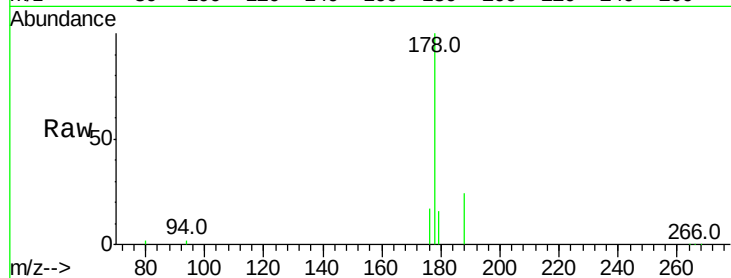
Tot Ion:178 Resp: 34249

Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

176 17.4 14.7 22.1



#15

Fluoranthene

Concen: 5.866 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.02 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

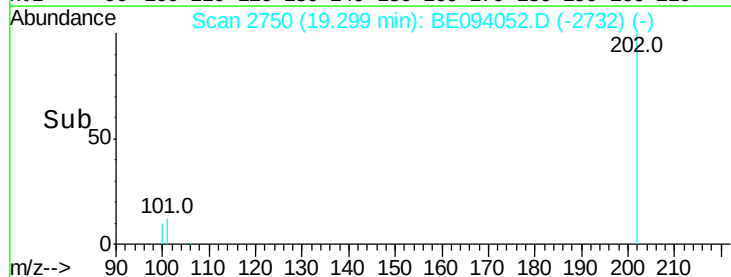
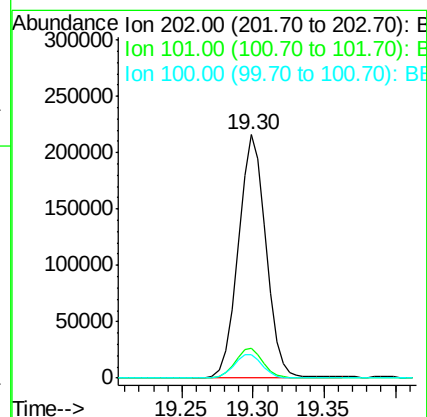
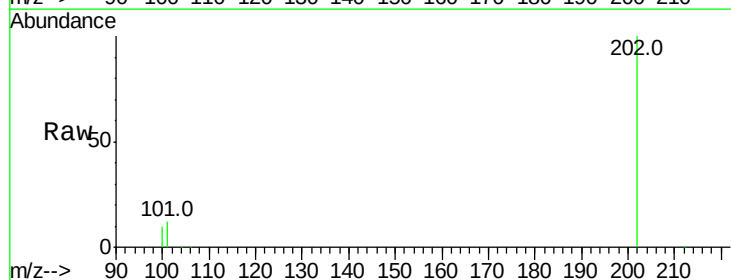
Tgt Ion:202 Resp: 294834

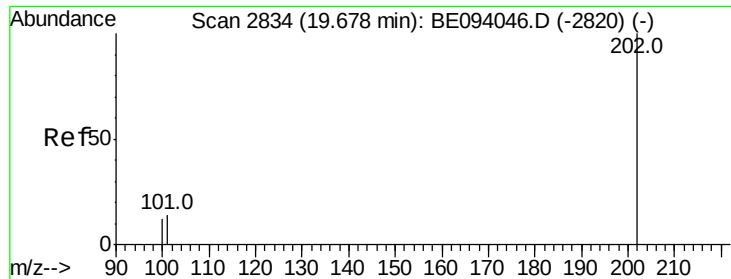
Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

100 9.8 0.0 39.5





#17

Pvrene

Concen: 5.945 ng/ul

RT: 19.66 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

Instrument :

BNA_E

ClientSampleId :

CB3C2

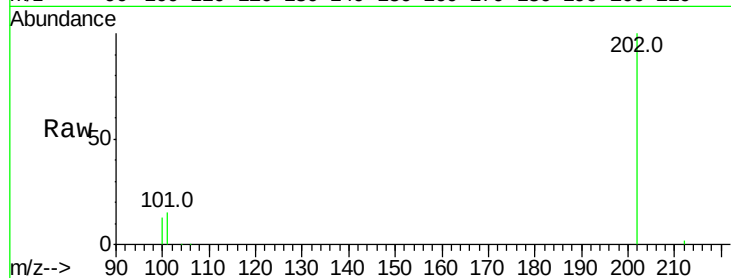
Tot Ion:202 Resp: 278136

Ion Ratio Lower Upper

202 100

101 14.8 18.2 27.4#

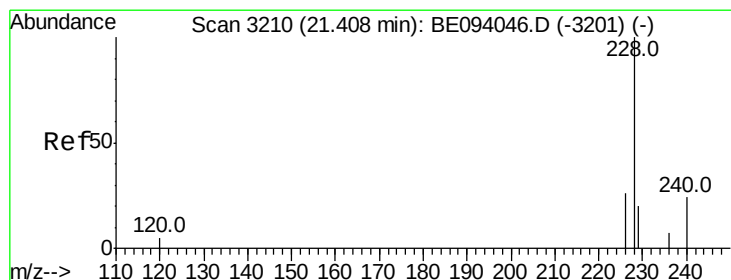
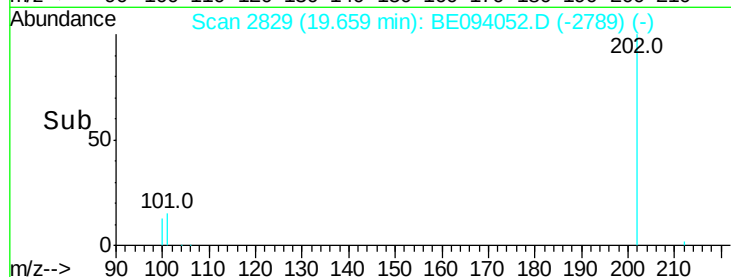
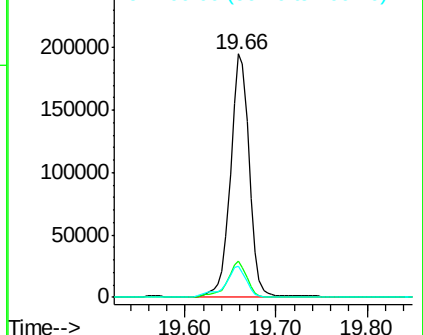
100 12.9 15.6 23.4#



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: 3.259 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.02 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

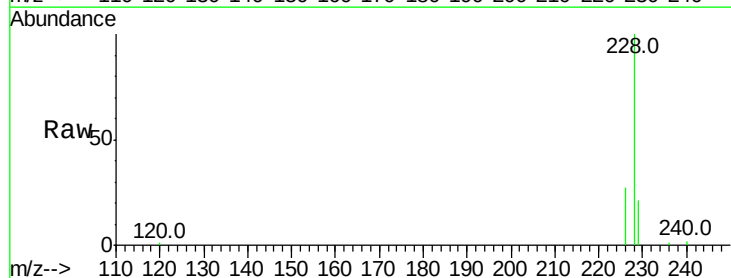
Tgt Ion:228 Resp: 145353

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

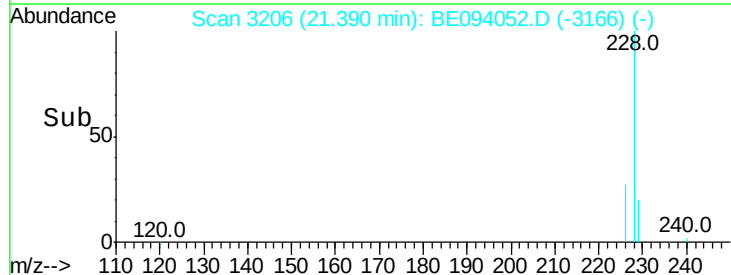
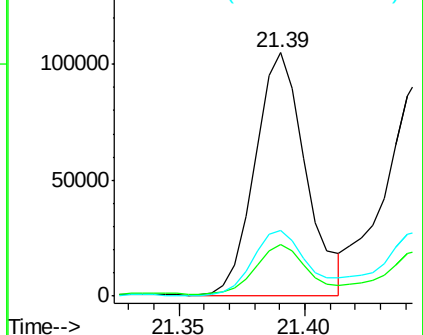
226 27.1 17.0 25.6#

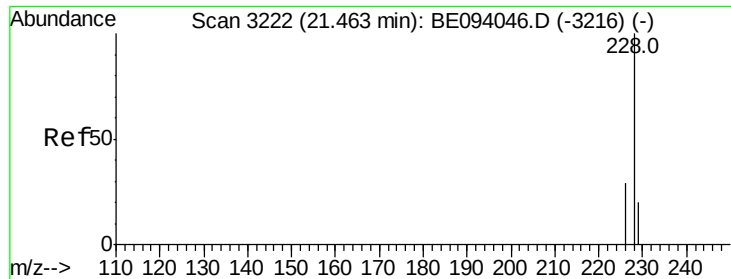


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.908 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.02 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

Instrument :

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CB3C2

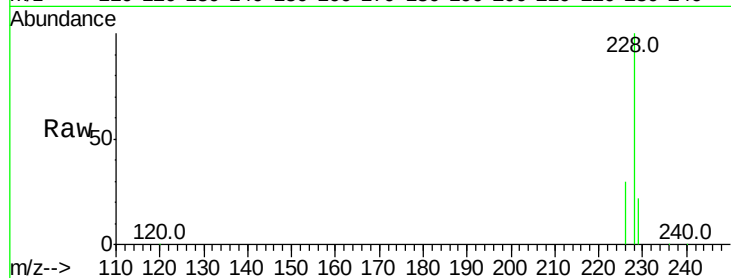
Tot Ion:228 Resp: 149814

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

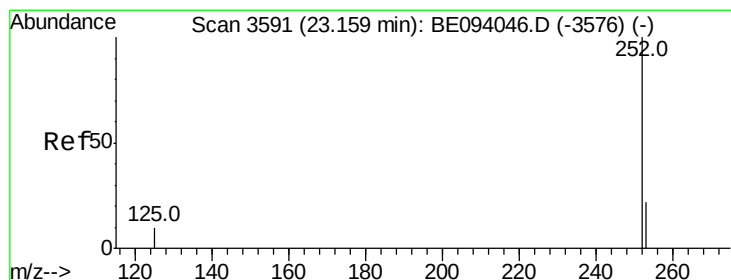
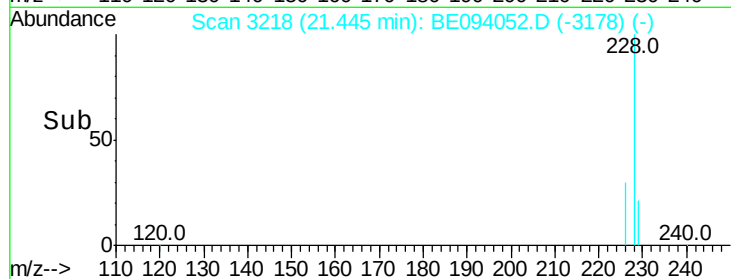
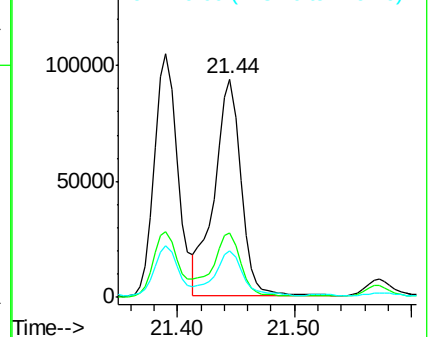
229 21.5 17.7 26.5



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: 5.163 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.01 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

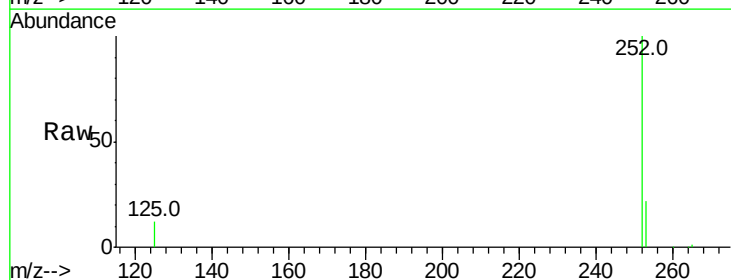
Tgt Ion:252 Resp: 239930

Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

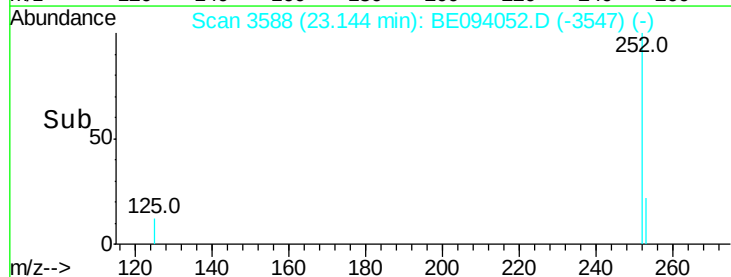
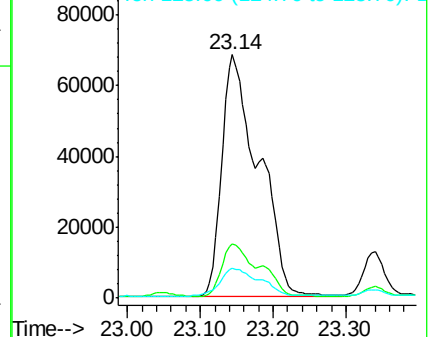
125 12.4 0.0 35.0

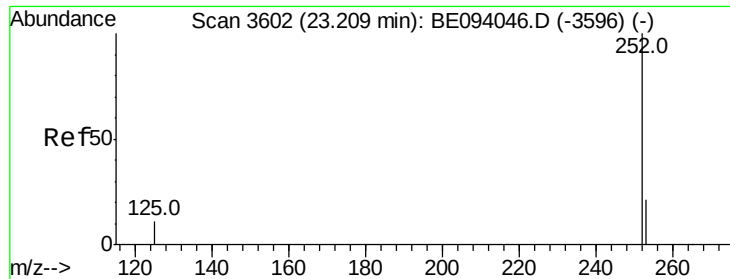


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.466 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.06 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

Instrument :

BNA_E

ClientSampleId :

CB3C2

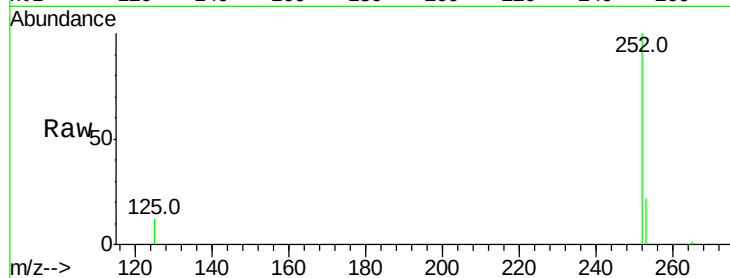
Tot Ion:252 Resp: 239930

Ion Ratio Lower Upper

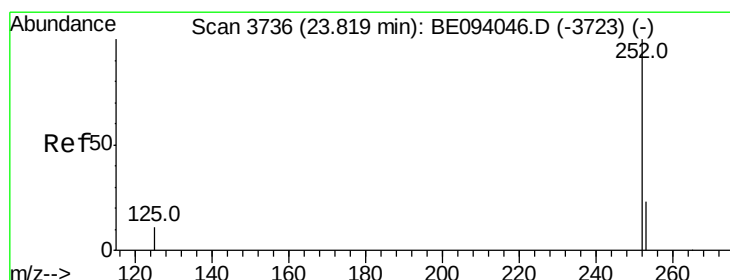
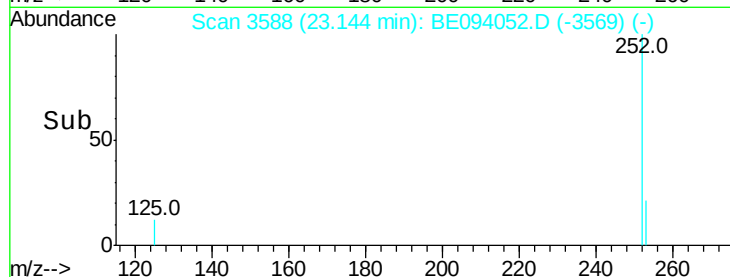
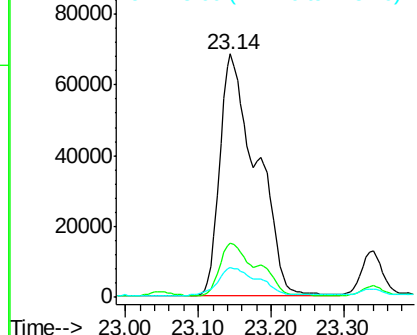
252 100

253 22.4 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: 2.595 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. -0.02 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

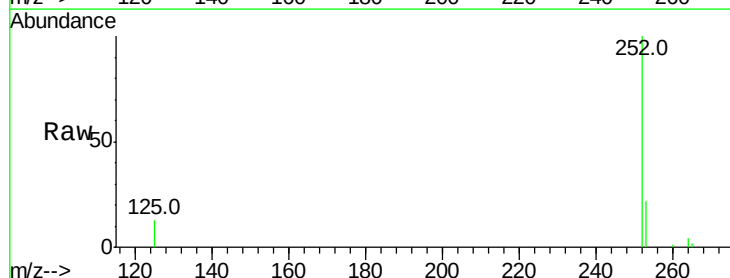
Tgt Ion:252 Resp: 125318

Ion Ratio Lower Upper

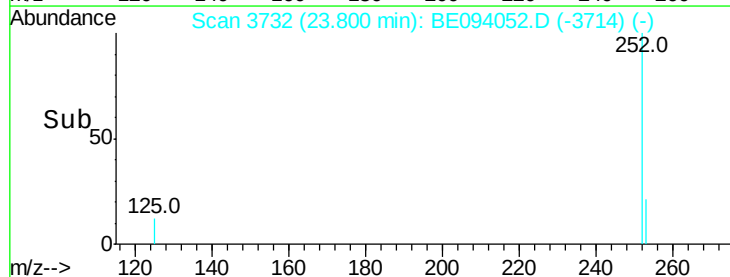
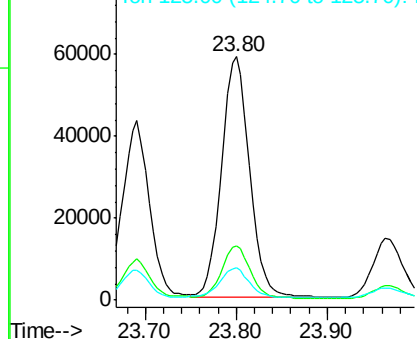
252 100

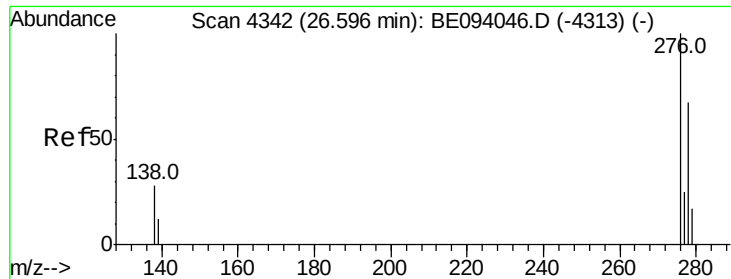
253 22.3 28.5 42.7#

125 13.2 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



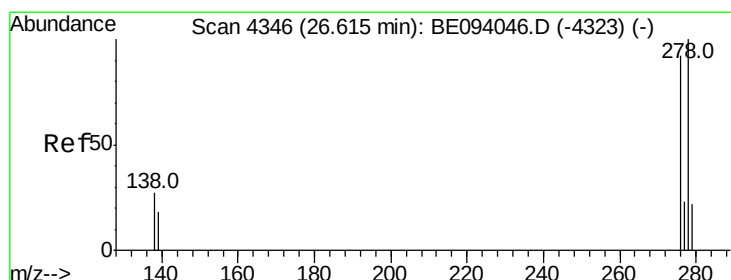
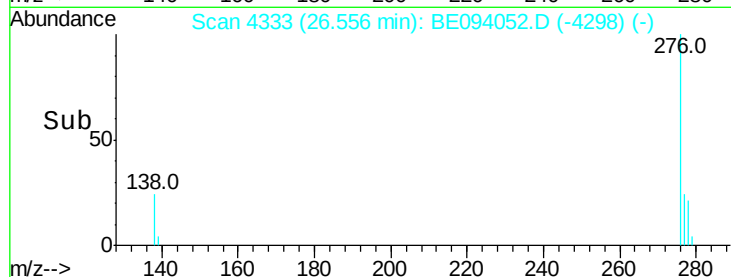
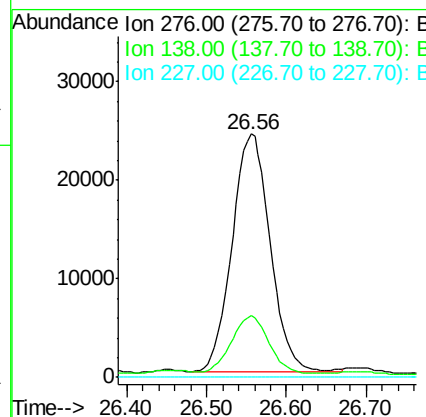
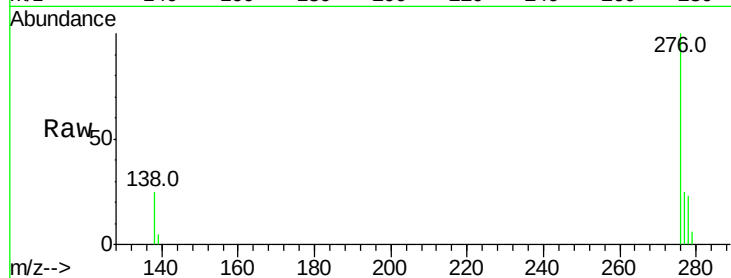


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.621 ng/ul
RT: 26.56 min Scan# 4333
Delta R.T. -0.04 min
Lab File: BE094052.D
Acq: 21 Sep 2017 3:36

Instrument :
BNA_E
ClientSampleId :
CB3C2

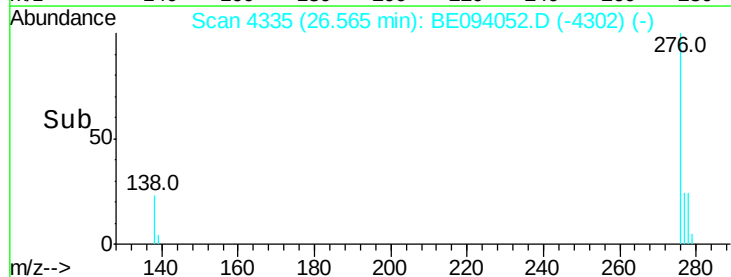
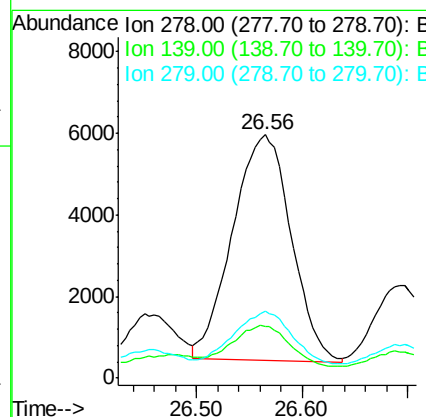
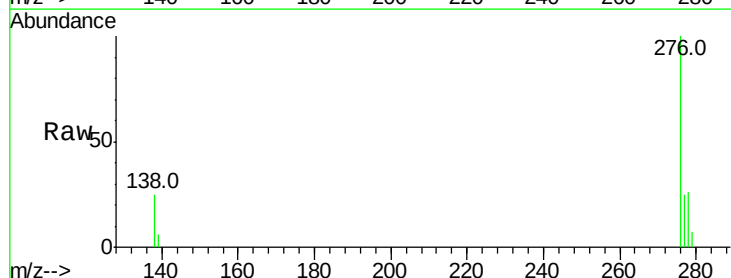
Tot Ion:276 Resp: 80063
Ion Ratio Lower Upper
276 100
138 24.3 28.0 42.0#
227 0.0 8.0 12.0#

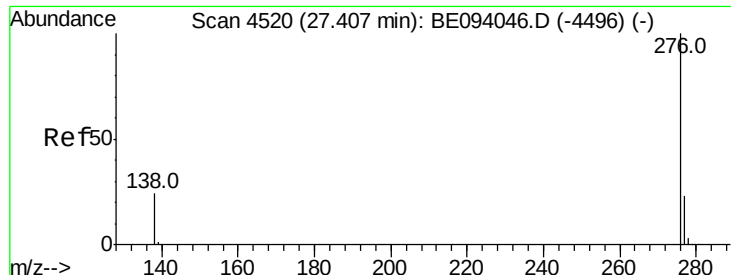


#25

Dibenzo(a,h)anthracene
Concen: 0.513 ng/ul
RT: 26.56 min Scan# 4335
Delta R.T. -0.05 min
Lab File: BE094052.D
Acq: 21 Sep 2017 3:36

Tgt Ion:278 Resp: 21261
Ion Ratio Lower Upper
278 100
139 21.2 17.4 26.0
279 27.7 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.935 ng/ul

RT: 27.38 min Scan# 4513

Delta R.T. -0.03 min

Lab File: BE094052.D

Acq: 21 Sep 2017 3:36

Instrument :

BNA_E

ClientSampleId :

CB3C2

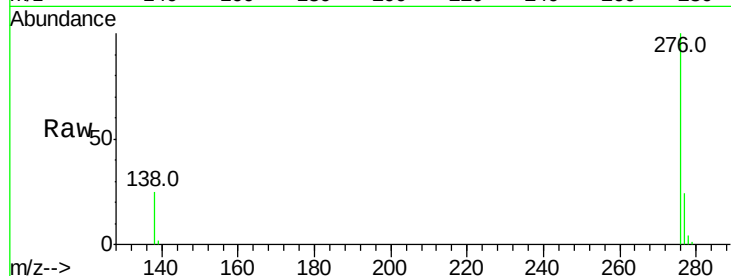
Tot Ion:276 Resp: 82433

Ion Ratio Lower Upper

276 100

138 25.4 21.8 32.8

277 24.4 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

