

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094056.D
 Acq On : 21 Sep 2017 6:05
 Operator : SJ/JU
 Sample : I5284-03 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3C8

Quant Time: Sep 21 07:30:53 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

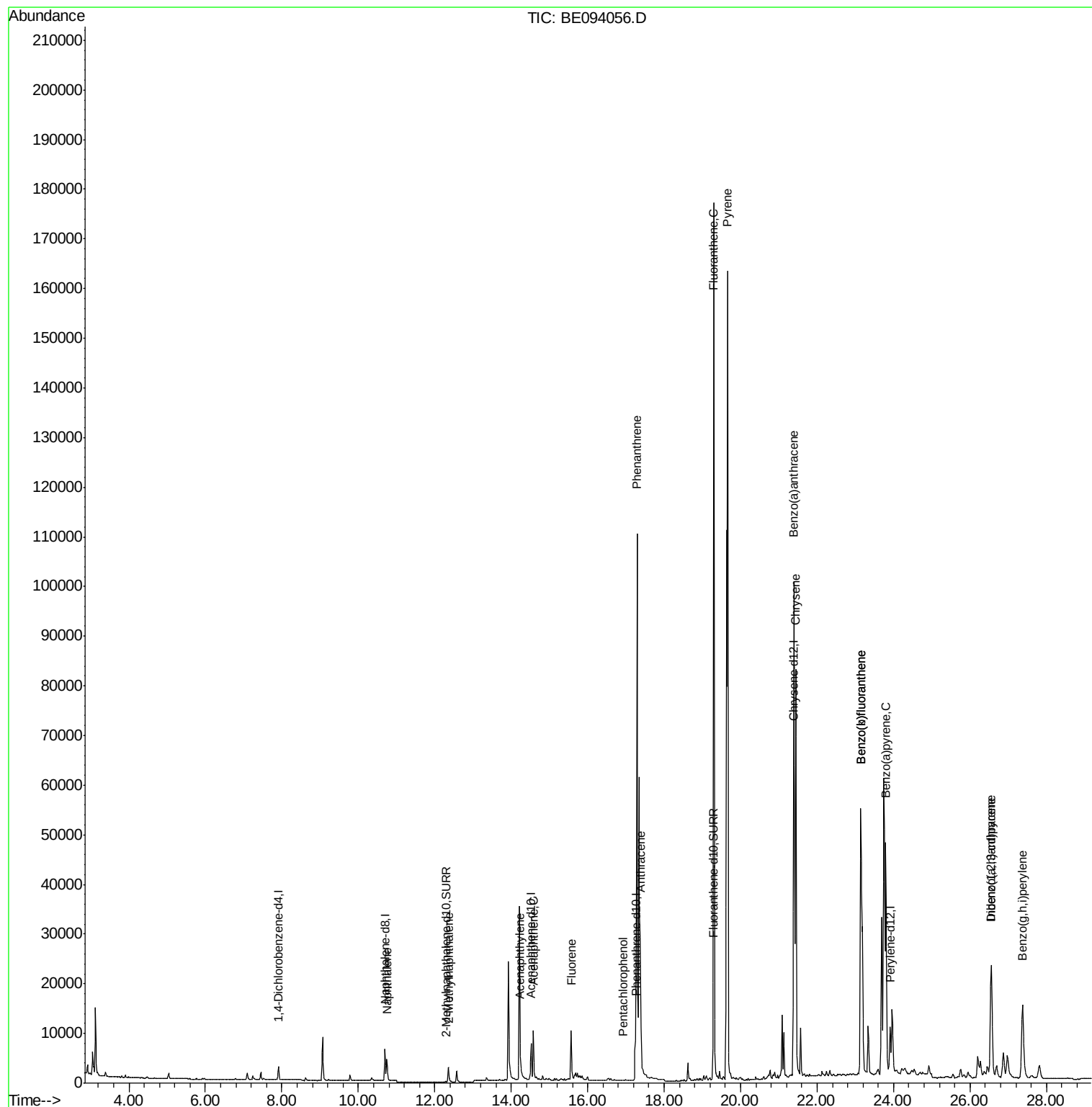
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1404	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7392	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4854	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12746	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	14834	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	14907	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	325	0.03	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	1232	0.03	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	7254	0.401	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	3238	0.276	ng/ul	97
7) Acenaphthylene	14.24	152	2393	0.126	ng/ul#	95
8) Acenaphthene	14.58	153	6466	0.415	ng/ul	99
9) Fluorene	15.57	166	7447	0.408	ng/ul	93
11) Pentachlorophenol	16.93	266	41	0.027	ng/ul#	76
12) Phenanthrene	17.29	178	135146	4.058	ng/ul#	91
13) Anthracene	17.38	178	31690	0.978	ng/ul#	92
15) Fluoranthene	19.30	202	201924	4.614	ng/ul	84
17) Pyrene	19.66	202	179732	4.355	ng/ul#	85
18) Benzo(a)anthracene	21.39	228	91824	2.333	ng/ul#	86
19) Chrysene	21.45	228	90173	1.984	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	140186	3.462	ng/ul	85
22) Benzo(k)fluoranthene	23.14	252	140186	2.995	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	71774	1.706	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.55	276	43170	1.003	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	11196	0.310	ng/ul	93
26) Benzo(g,h,i)perylene	27.38	276	36985	0.996	ng/ul	98

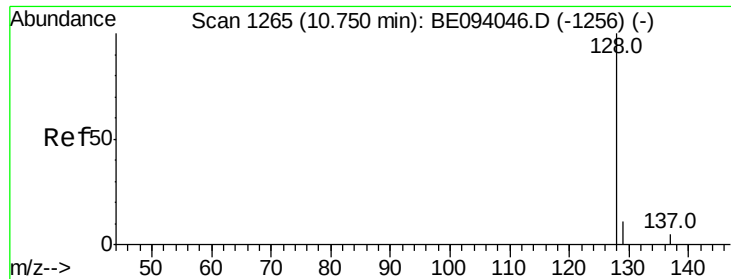
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

Instrument :

BNA_E

ClientSampleId :

CB3C8

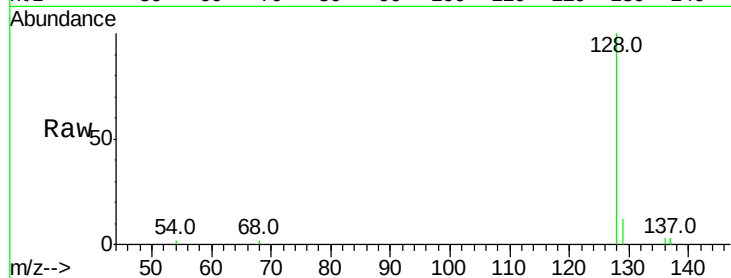
Tot Ion:128 Resp: 7254

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

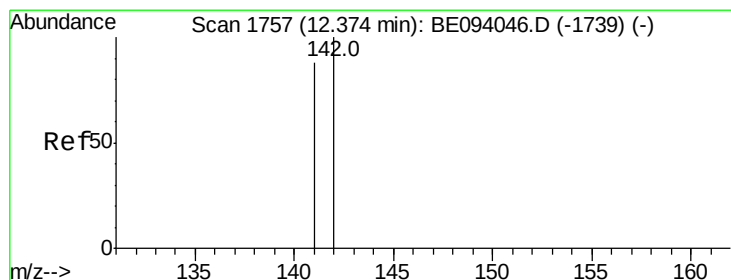
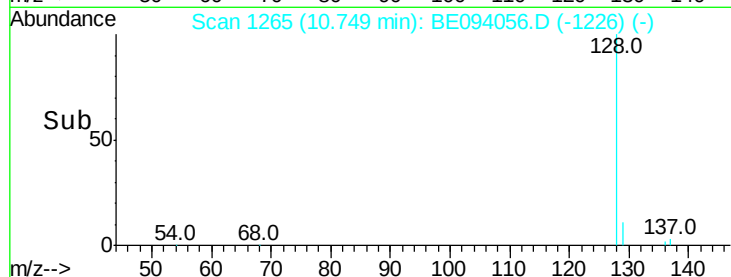
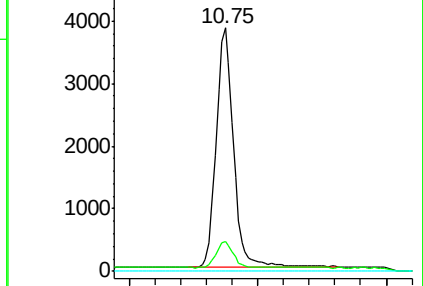
127 0.0 4.0 6.0#



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: 0.276 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.02 min

Lab File: BE094056.D

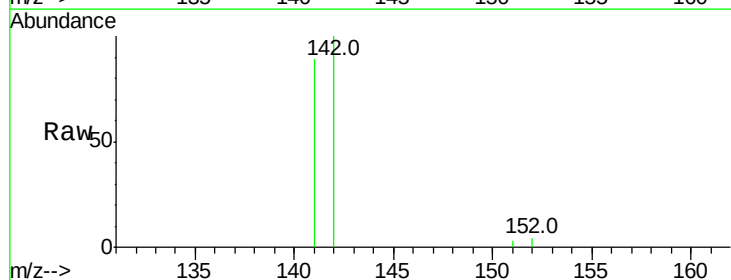
Acq: 21 Sep 2017 6:05

Tgt Ion:142 Resp: 3238

Ion Ratio Lower Upper

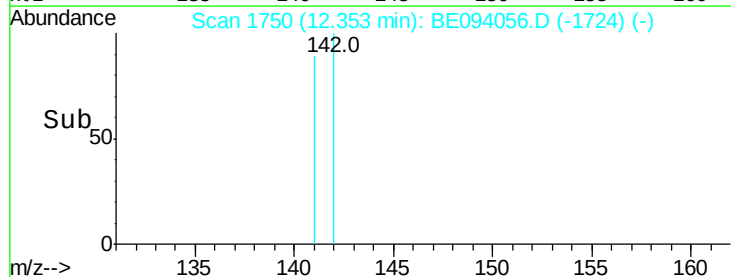
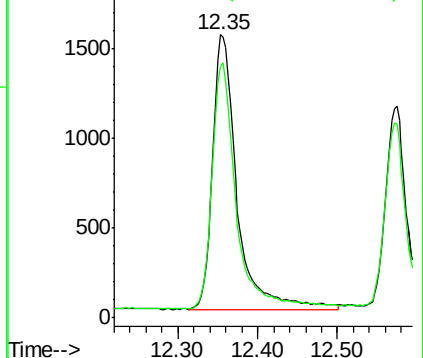
142 100

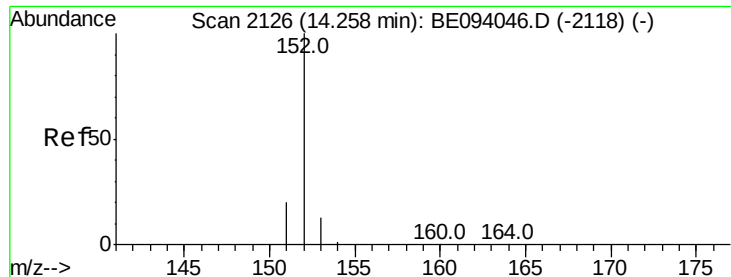
141 88.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.126 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

Instrument :

BNA_E

ClientSampleId :

CB3C8

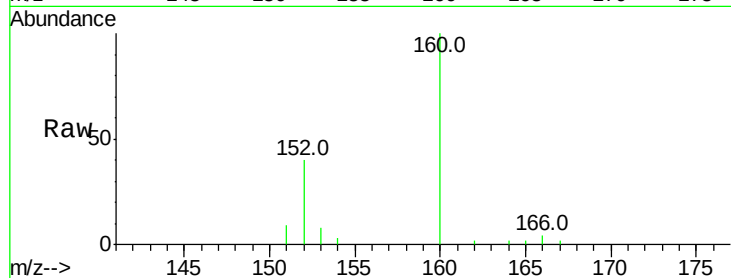
Tot Ion:152 Resp: 2393

Ion Ratio Lower Upper

152 100

151 22.7 17.1 25.7

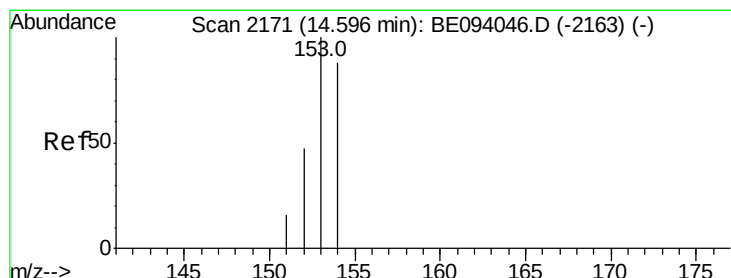
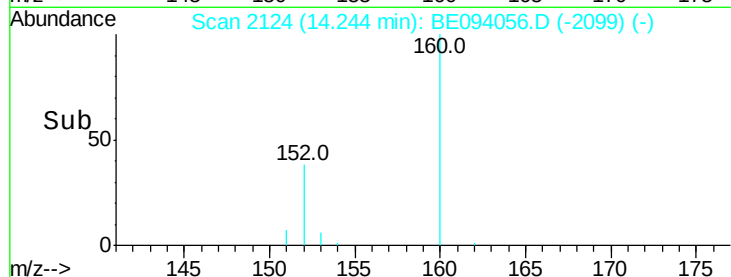
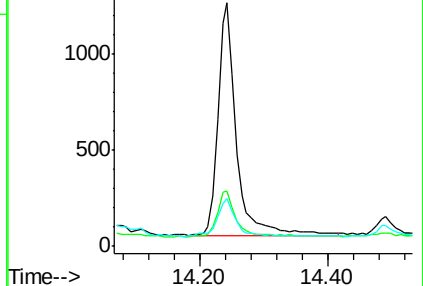
153 19.5 12.8 19.2#



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: 0.415 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

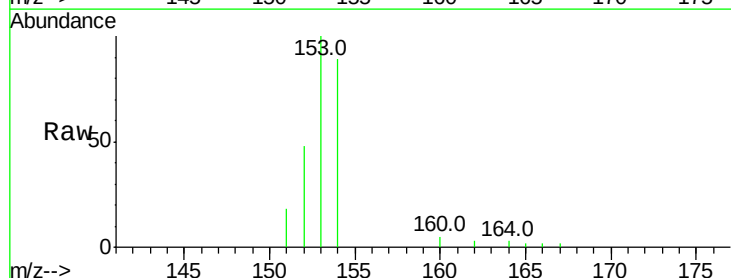
Tgt Ion:153 Resp: 6466

Ion Ratio Lower Upper

153 100

152 48.3 40.3 60.5

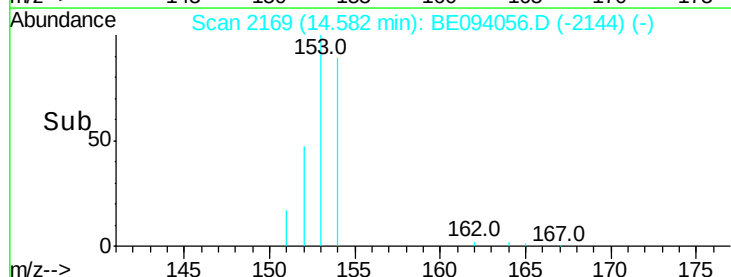
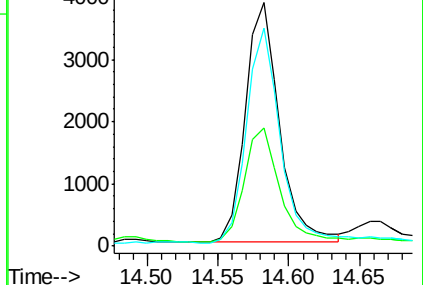
154 89.3 71.4 107.2

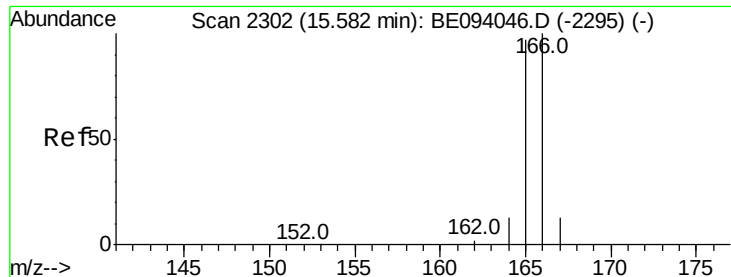


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.408 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

Instrument :

BNA_E

ClientSampleId :

CB3C8

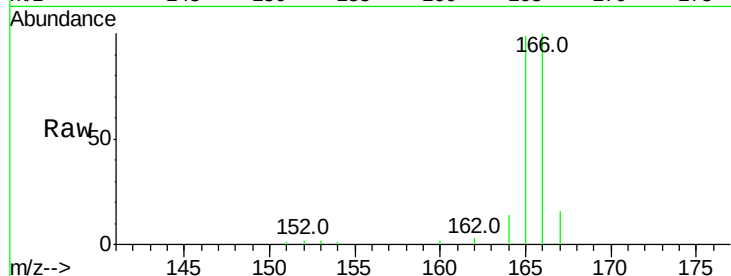
Tot Ion:166 Resp: 7447

Ion Ratio Lower Upper

166 100

165 98.7 73.4 110.2

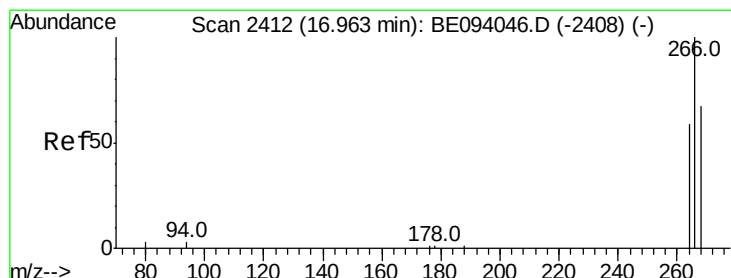
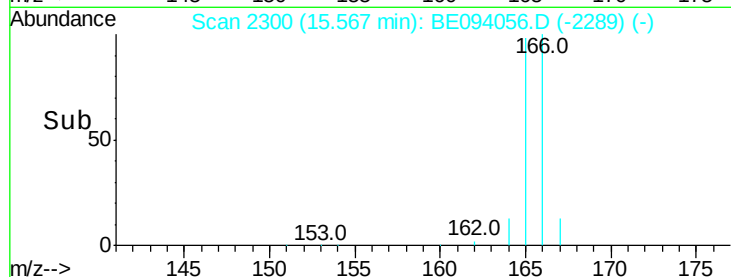
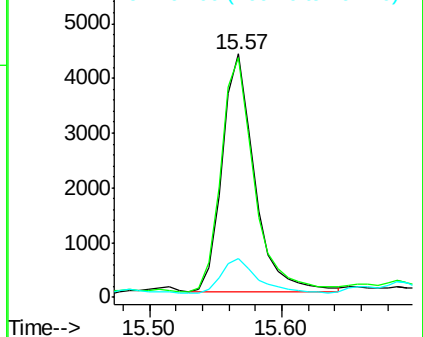
167 15.9 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.027 ng/ul

RT: 16.93 min Scan# 2410

Delta R.T. -0.04 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

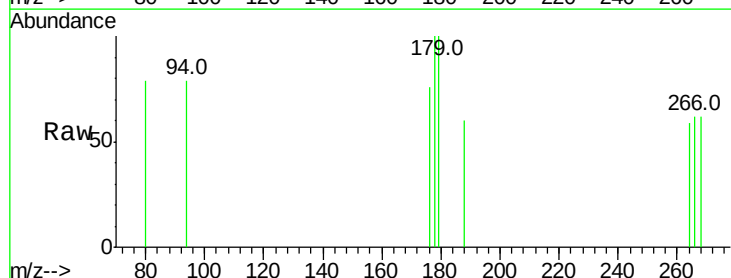
Tgt Ion:266 Resp: 41

Ion Ratio Lower Upper

266 100

264 36.6 47.9 71.9#

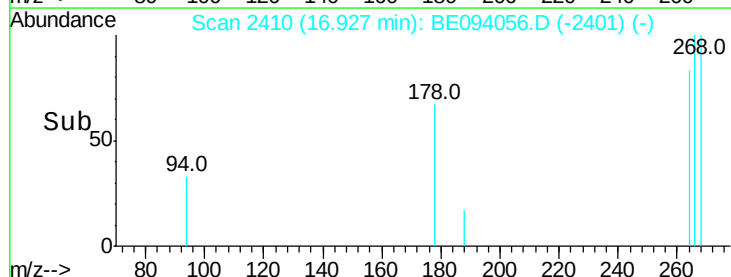
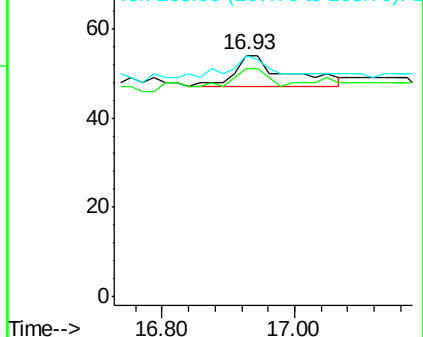
268 75.6 49.8 74.8#

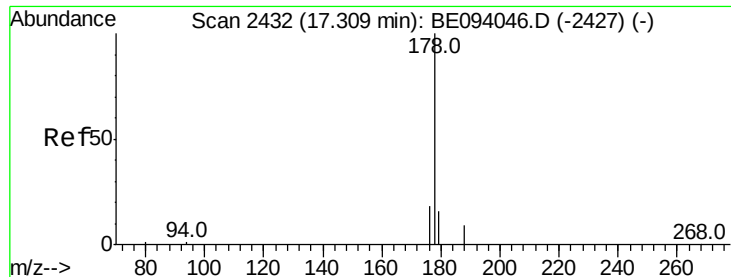


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 4.058 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

Instrument :

BNA_E

ClientSampleId :

CB3C8

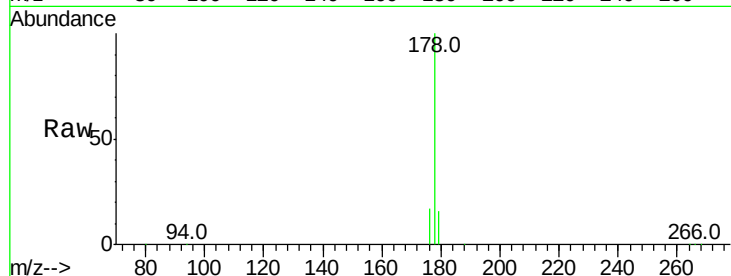
Tot Ion:178 Resp: 135146

Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

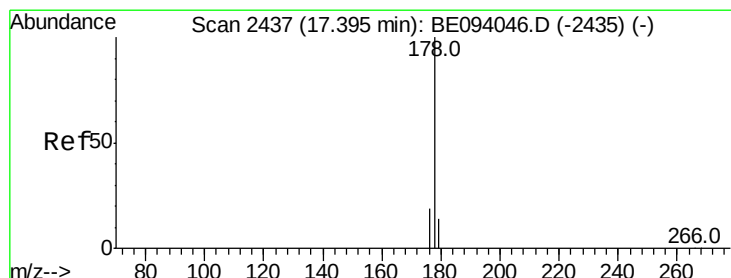
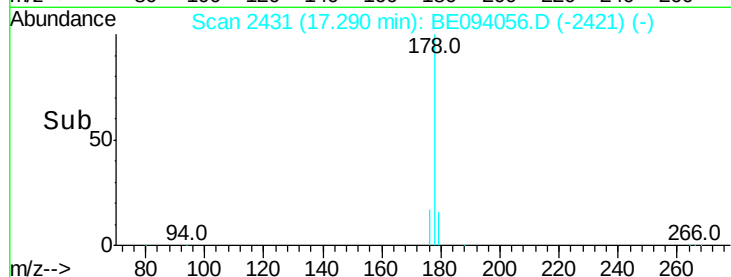
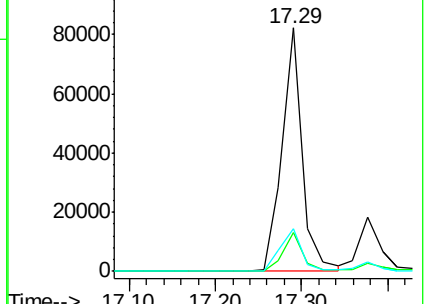
176 17.5 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.978 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

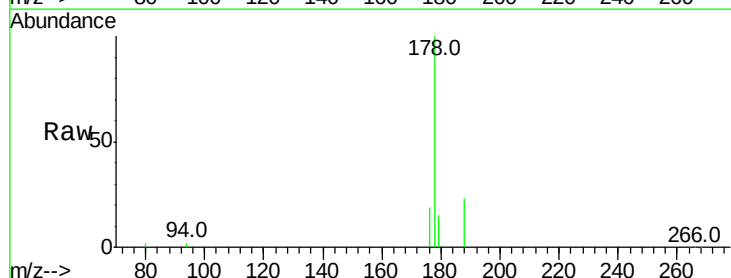
Tgt Ion:178 Resp: 31690

Ion Ratio Lower Upper

178 100

179 15.4 18.1 27.1#

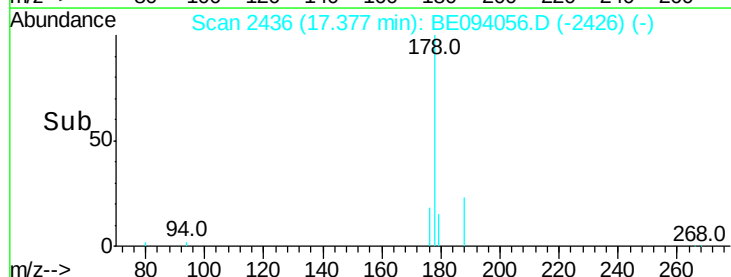
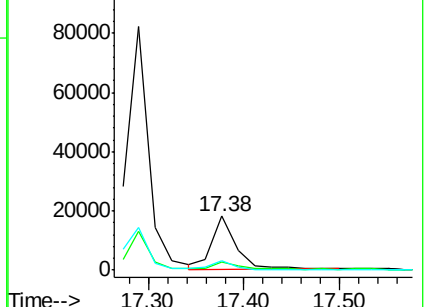
176 18.6 14.7 22.1

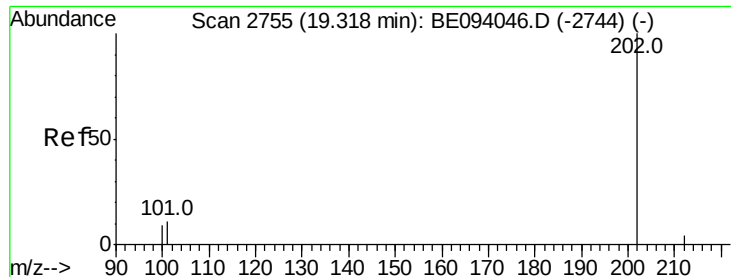


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 4.614 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

Instrument :

BNA_E

ClientSampleId :

CB3C8

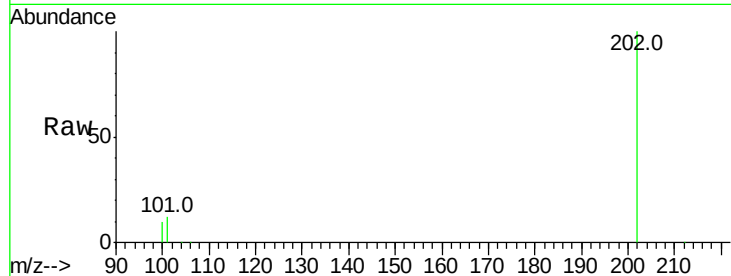
Tot Ion:202 Resp: 201924

Ion Ratio Lower Upper

202 100

101 12.5 0.0 30.3

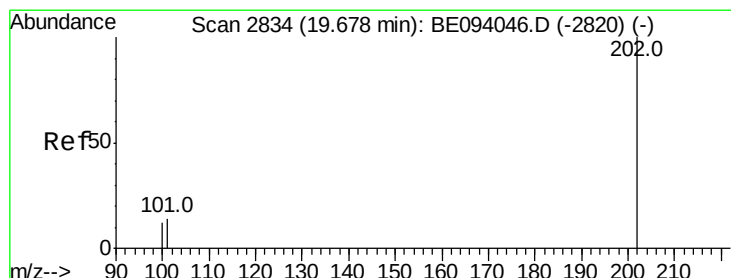
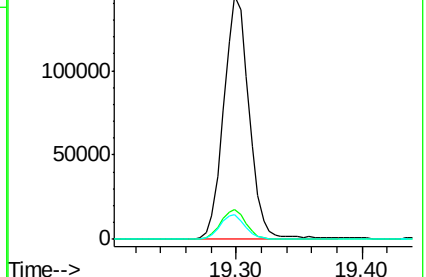
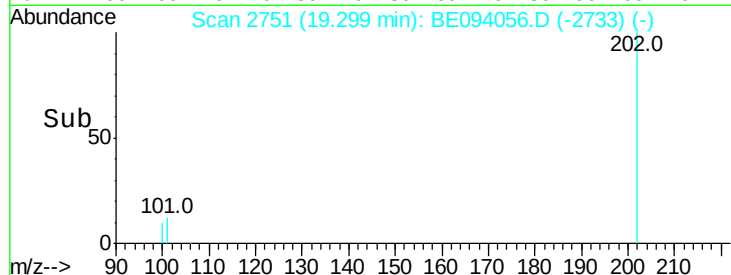
100 10.1 0.0 39.5



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



#17

Pyrene

Concen: 4.355 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

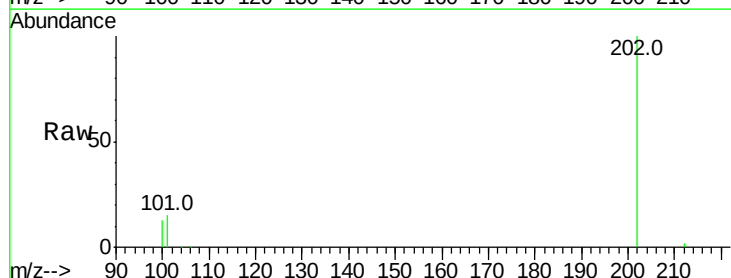
Tgt Ion:202 Resp: 179732

Ion Ratio Lower Upper

202 100

101 14.9 18.2 27.4#

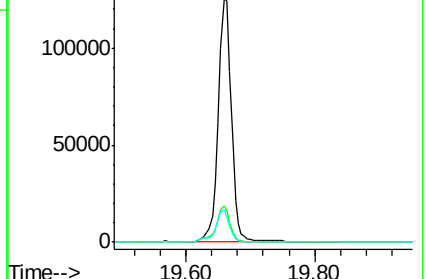
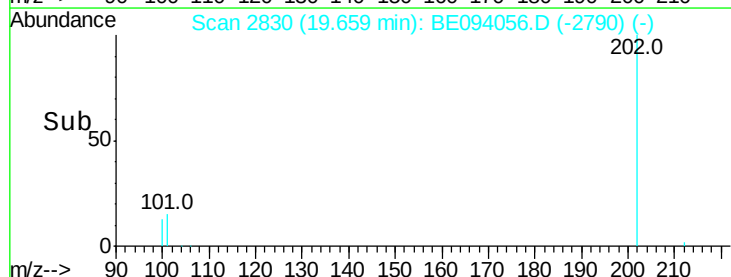
100 13.1 15.6 23.4#

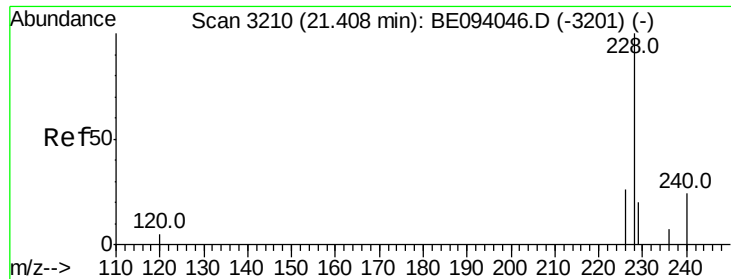


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

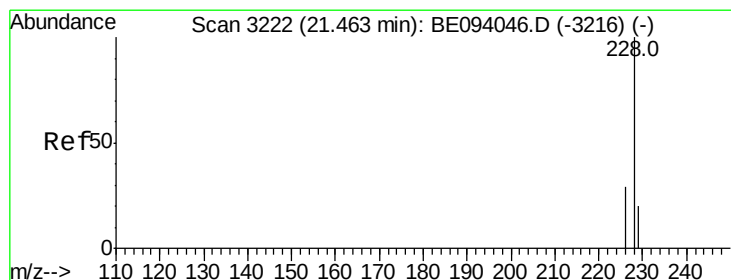
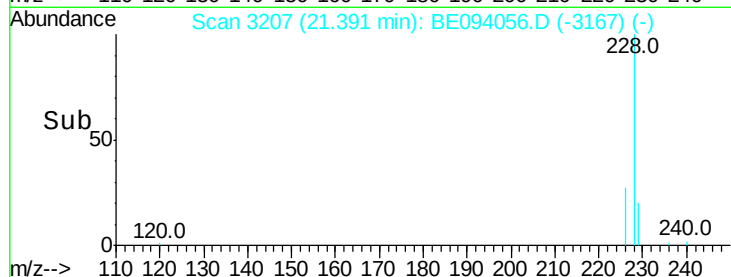
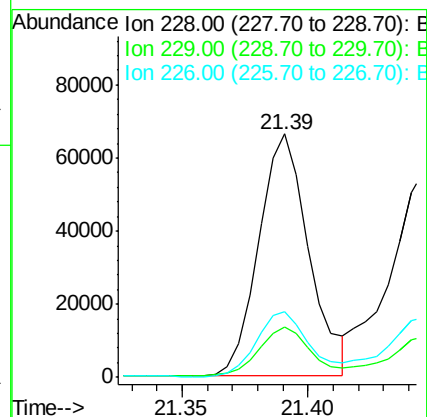
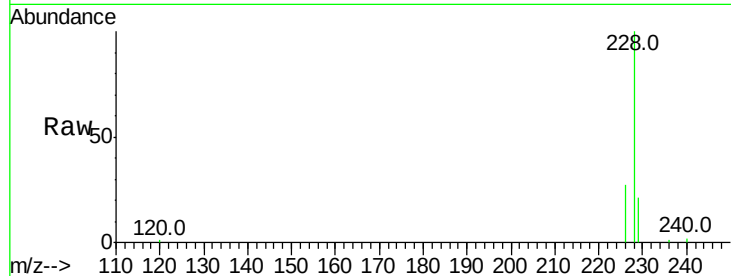




#18
Benzo(a)anthracene
Concen: 2.333 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.02 min
Lab File: BE094056.D
Acq: 21 Sep 2017 6:05

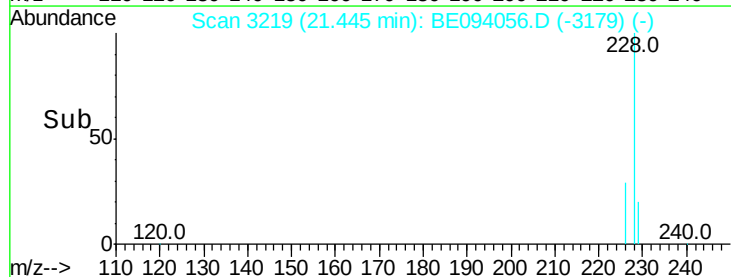
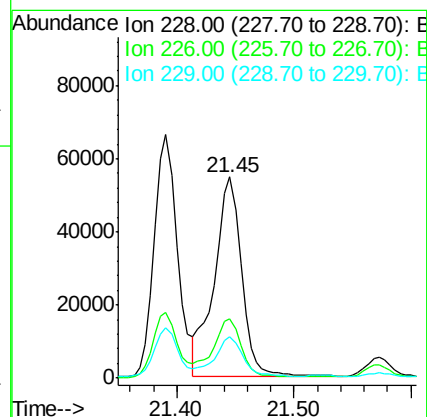
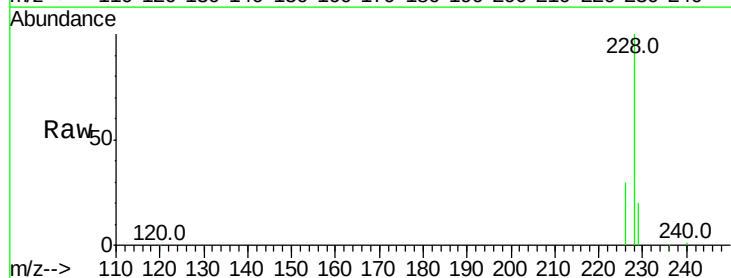
Instrument :
BNA_E
ClientSampleId :
CB3C8

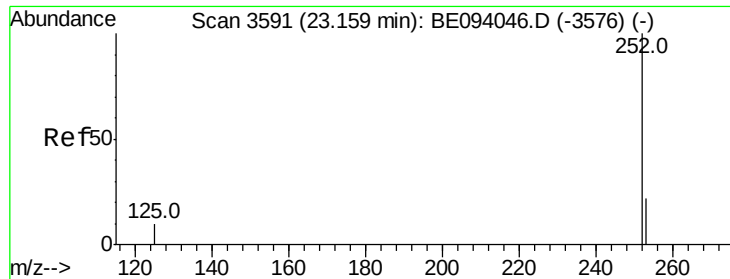
Tot Ion:228 Resp: 91824
Ion Ratio Lower Upper
228 100
229 20.6 22.8 34.2#
226 26.8 17.0 25.6#



#19
Chrysene
Concen: 1.984 ng/ul
RT: 21.45 min Scan# 3219
Delta R.T. -0.02 min
Lab File: BE094056.D
Acq: 21 Sep 2017 6:05

Tgt Ion:228 Resp: 90173
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.0
229 20.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 3.462 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

Instrument :

BNA_E

ClientSampleId :

CB3C8

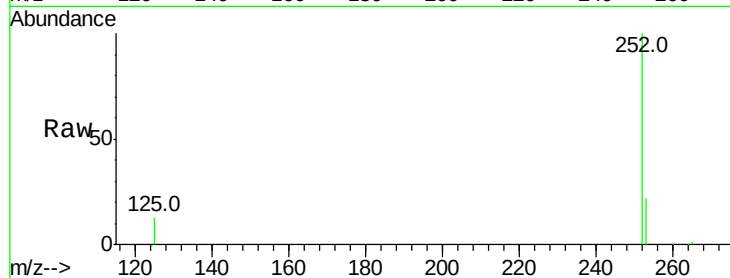
Tot Ion:252 Resp: 140186

Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

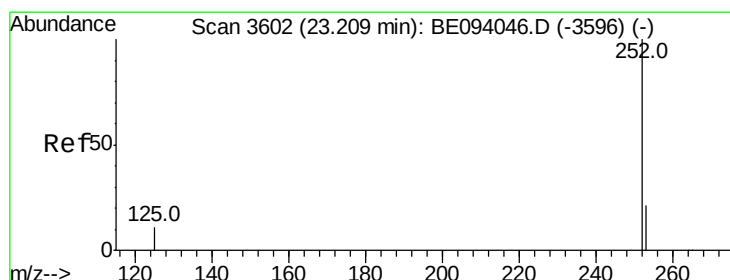
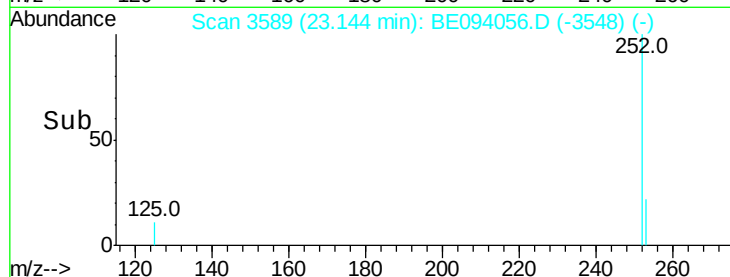
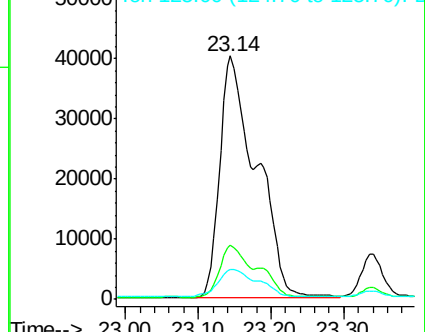
125 12.5 0.0 35.0



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: 2.995 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.06 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

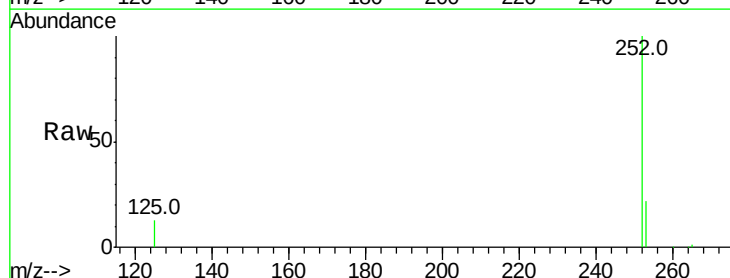
Tgt Ion:252 Resp: 140186

Ion Ratio Lower Upper

252 100

253 22.4 24.5 36.7#

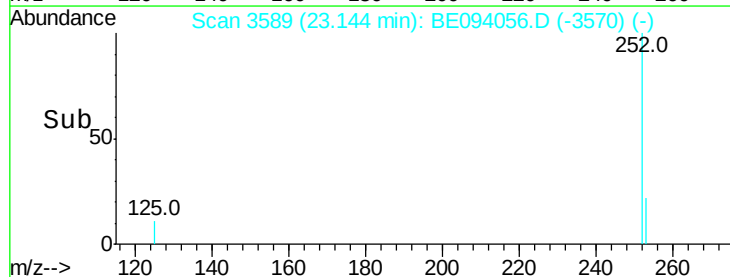
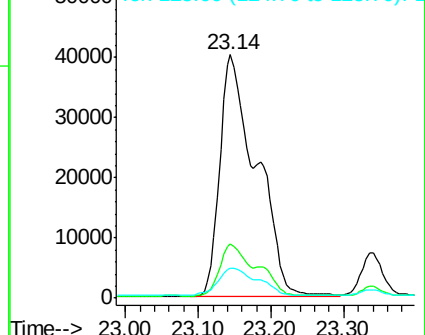
125 12.5 13.7 20.5#

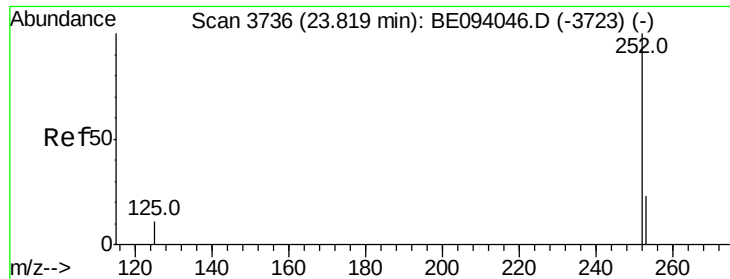


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.706 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. -0.02 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

Instrument :

BNA_E

ClientSampleId :

CB3C8

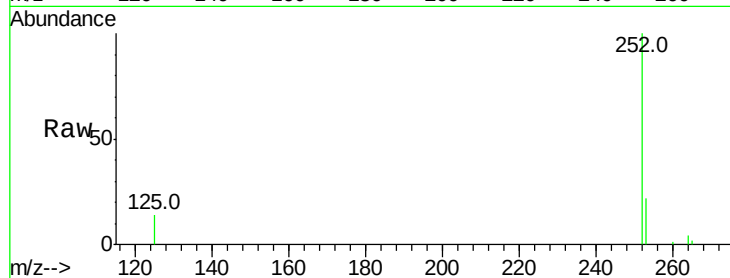
Tot Ion:252 Resp: 71774

Ion Ratio Lower Upper

252 100

253 22.2 28.5 42.7#

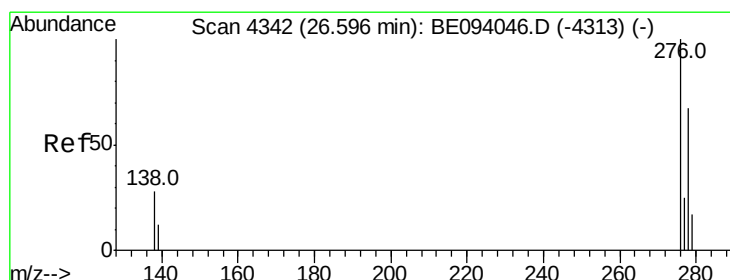
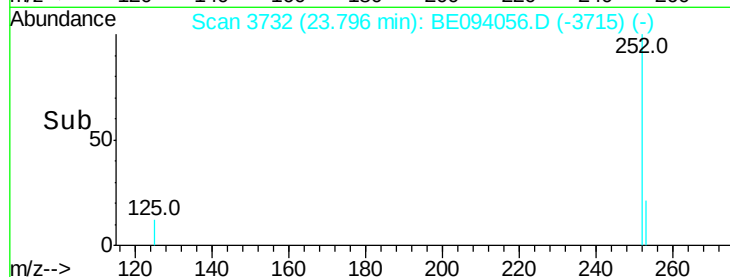
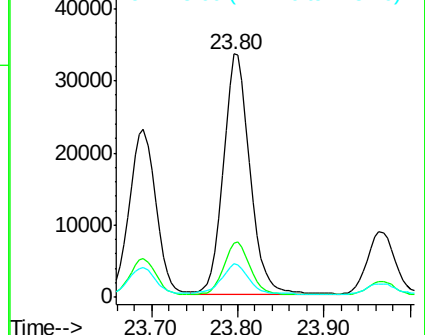
125 13.7 18.1 27.1#



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: 1.003 ng/ul

RT: 26.55 min Scan# 4334

Delta R.T. -0.04 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

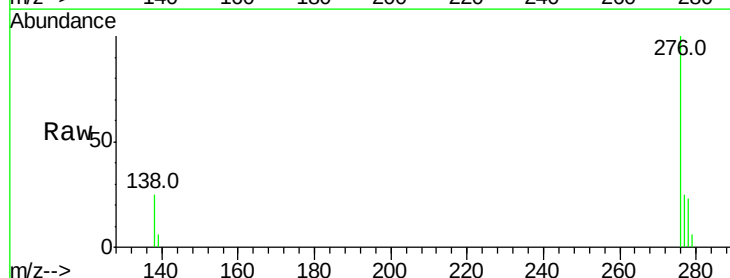
Tgt Ion:276 Resp: 43170

Ion Ratio Lower Upper

276 100

138 23.8 28.0 42.0#

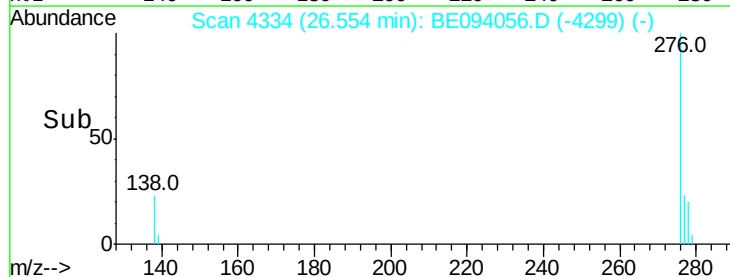
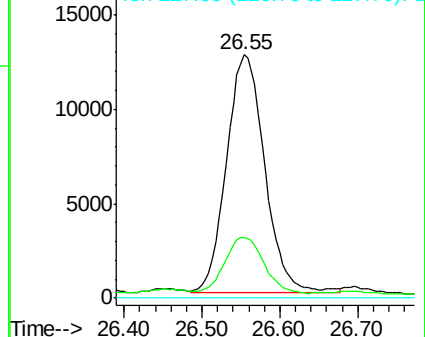
227 0.0 8.0 12.0#

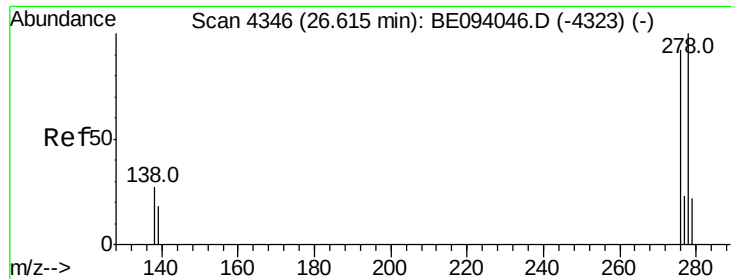


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.310 ng/ul

RT: 26.57 min Scan# 4337

Delta R.T. -0.05 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

Instrument :

BNA_E

ClientSampleId :

CB3C8

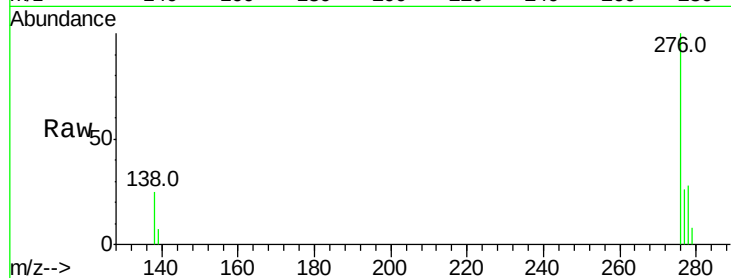
Tot Ion:278 Resp: 11196

Ion Ratio Lower Upper

278 100

139 24.1 17.4 26.0

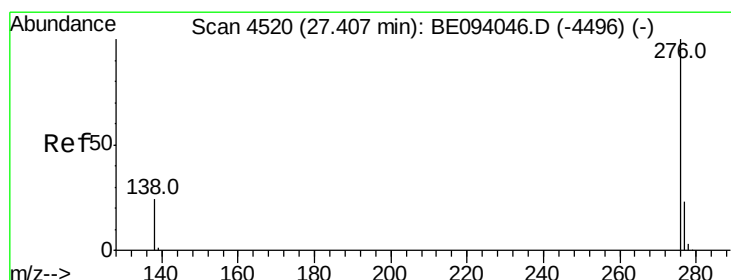
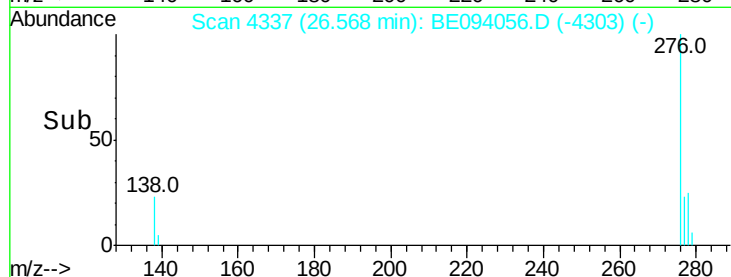
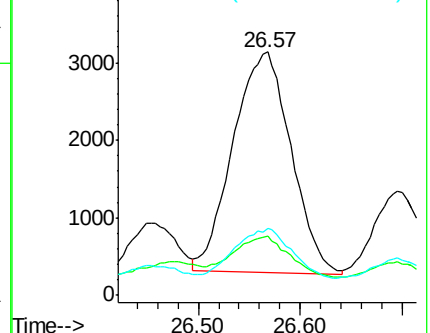
279 27.4 25.9 38.9



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(g,h,i)perylene

Concen: 0.996 ng/ul

RT: 27.38 min Scan# 4515

Delta R.T. -0.03 min

Lab File: BE094056.D

Acq: 21 Sep 2017 6:05

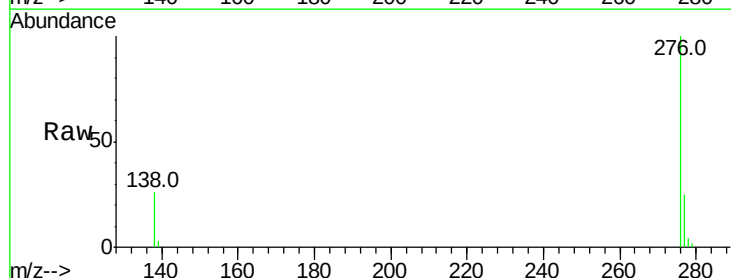
Tgt Ion:276 Resp: 36985

Ion Ratio Lower Upper

276 100

138 25.8 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

